YEAR 12								
ILAN 12	CLP	DHN	CRE	SMS				
Week 1 (w/b Wed 7 <sup>th</sup> Sep)	Lesson 1: History of the microscope #1 Lesson 2: History of the microscope #2 Lesson 3: Preparing biological slides #1	Lesson 1: The Mole and reacting masses	Lesson 1: The periodic table, relative atomic mass	Lesson 1: Waves #1				
Key Words Level 2 Level 3	Identify, describe, explain Magnification, resolution, lens, refraction, concave, convex	Accuracy, precision  Titration, Burette, pipette, concentration, moles per dm³, concordant	Accuracy, precision  Titration, Burette, pipette, concentration, moles per dm <sup>3</sup> , concordant	Identify, describe, explain  Longitudinal, transverse, compression, rarefaction				
Common Misconceptions	The differences between magnification and resolution	The Mole and stoichiometry can be difficult for Combined Science pupils	Confusing atomic number and atomic mass					
Homework	Timeline of history of microscope							
Assessment this half- term	6 mark in class question NHTW grid vocab test Section test B1 wb 10 <sup>th</sup> Oct	6 mark in class question NHTW grid vocab test	6 mark in class question NHTW grid vocab test	6 mark in class question NHTW grid vocab test				
Career opportunities Employment Links	LIFE SKILLS: Understanding how to view images EMPLOYMENT: Biomedical scientist	LIFE SKILLS: Understanding how to calculate compound masses  EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/advanced-apprentice-forensics/4010810.article">https://edu.rsc.org/job-profiles/advanced-apprentice-forensics/4010810.article</a>	LIFE SKILLS: Understanding how to calculate compound masses  EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/advanced-apprentice-forensics/4010810.article">https://edu.rsc.org/job-profiles/advanced-apprentice-forensics/4010810.article</a>	LIFE SKILLS: Understanding of how sound travels EMPLOYMENT: Sound engineer, lighting engineer, geophysicist				
Employability Skills	Aiming high Creativity Numeracy Leadership Listening Communication Presenting Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving  Literacy Numeracy Independence Communication Preamwork Problem solving  Staying positive				
IT Skills	IT1 & IT2: Appropriate websites and research for homework							
	CLP	DHN	CRE	SMS				
Week 2 (w/b 12 <sup>th</sup> Sep)	Lesson 1: Preparing biological slides Lesson 2: Electron microscopes Lesson 3: Electron microscopes	Lesson 1: The Mole and reacting masses	Lesson 1: The periodic table, relative atomic mass	Lesson 1: Waves #2				
Key Words Level 2 Level 3	Identify, describe, explain Magnification, resolution, lens, refraction, concave, convex	Accuracy, precision  Titration, Burette, pipette, concentration, moles per dm³, concordant	Accuracy, precision  Titration, Burette, pipette, concentration, moles per dm <sup>3</sup> , concordant	Identify, describe, explain  Longitudinal, transverse, compression, rarefaction				
Common Misconceptions	The differences between TEM and SEM	The Mole and stoichiometry can be difficult for Combined Science pupils	Confusing atomic number and atomic mass					
Homework	Comparative table electron v light		Development of periodic table					
Assessment this half- term	6 mark in class question NHTW grid vocab test Section test B1 wb 10 <sup>th</sup> Oct	6 mark in class question NHTW grid vocab test	6 mark in class question NHTW grid vocab test	6 mark in class question NHTW grid vocab test				
Career opportunities Employment Links	LIFE SKILLS: Understanding how to view images EMPLOYMENT: Biomedical scientist	LIFE SKILLS: Understanding how to calculate compound masses  EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/advanced-apprentice-forensics/4010810.article">https://edu.rsc.org/job-profiles/advanced-apprentice-forensics/4010810.article</a>	LIFE SKILLS: Understanding how to calculate compound masses  EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/advanced-apprentice-forensics/4010810.article">https://edu.rsc.org/job-profiles/advanced-apprentice-forensics/4010810.article</a>	LIFE SKILLS: Understanding of how sound travels EMPLOYMENT: Sound engineer, lighting engineer, geophysicist				
Employability Skills	Aiming high Creativity Numeracy Leadership Listening Communication Presenting Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive				
IT Skills	IT1 & IT2: Appropriate websites and research for homework		IT1 & IT2: Appropriate websites and research for homework					
	CLP	DHN	CRE	SMS				
Week 3 (w/b 19 <sup>th</sup> Sep)	Lesson 1: Root tip squash Lesson 2: Root tip squash Lesson 3: Magnification calculations	Lesson 1: The Mole and reacting masses	Lesson 1: Practical – determination of relative atomic mass and formula	Lesson 1: Waves #3 Introducing transverse and longitudinal waves and measuring speed of waves				
Key Words Level 2 Level 3	Identify, describe, explain Magnification, resolution, lens, refraction, concave, convex, mitosis, prophase, metaphase, anaphase, telophase	Accuracy, precision Titration, Burette, pipette, concentration, moles per dm³, concordant	Accuracy, precision Titration, Burette, pipette, concentration, moles per dm <sup>3</sup> , concordant	Identify, describe, explain  Longitudinal, transverse, compression, rarefaction, speed, velocity, wavelength				

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Common	Some students struggle to rearrange the magnification	Understanding of the Mole as an amount of something, and		
Misconceptions	equation	its relationship to balancing/balanced chemical equations –		
		the pupils taking App Sci tend to be from 11x2-x4 and will		
		have difficulty with this.		
Homework		Practice calculations		Speed of waves practice calculations
Assessment this half-	·	6 mark in class question	6 mark in class question	6 mark in class question
term	NHTW grid vocab test	NHTW grid vocab test	NHTW grid vocab test	NHTW grid vocab test
	Section test B1 wb 10 <sup>th</sup> Oct			
Career opportunities	LIFE SKILLS: Rearranging mathematical formulae	LIFE SKILLS: Understanding how to calculate compound	LIFE SKILLS: Practical skills	LIFE SKILLS: Understanding of how sound travels
Employment Links	EMPLOYMENT: Biomedical scientist	masses	EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/advanced-">https://edu.rsc.org/job-profiles/advanced-</a>	EMPLOYMENT: Sound engineer, lighting engineer,
		EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/advanced-">https://edu.rsc.org/job-profiles/advanced-</a>	apprentice-forensics/4010810.article	geophysicist
		apprentice-forensics/4010810.article		
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy
	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy
	Leadership Independence	Leadership Independence Listening	Leadership Independence Listening	Leadership Independence
	Listening Communication	Communication	Communication	<u>Listening</u> Communication
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting <u>Teamwork</u>
	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive
IT Skills		IT1 & IT2: Appropriate websites and research for homework		IT1 & IT2: Appropriate websites and research for homework
	CIP	DUN	CDF	CNAC
Week 4	CLP Lesson 1: Magnification calculations	DHN Lesson 1: The Mole and reacting masses	CRE Lesson 1: Practical – determination of relative atomic mass	SMS Lesson 1: Waves #4
(w/b 26 <sup>th</sup> Sep)	Lesson 2: Structures in a cell	Lesson 1. The Mole and reacting masses	and formula	
(w/b 26 Sep)	Lesson 3: Structures in a cell		and formula	Transverse and longitudinal waves and measuring speed of
Key Words	Identify, describe, explain	Accuracy precision	Accuracy, precision	waves Identify, describe, explain
Level 2	Magnification, resolution, lens, refraction, concave, convex,	Accuracy, precision Titration, Burette, pipette, concentration, moles per dm <sup>3</sup> ,	Titration, Burette, pipette, concentration, moles per dm <sup>3</sup> ,	Longitudinal, transverse, compression, rarefaction, speed,
Level 3	mitosis, prophase, metaphase, anaphase, telophase, golgi,	concordant	concordant	velocity, wavelength
Level 5	mitochondria, chloroplast, endoplasmic reticulum, SER, RER,	Concordant	Concordant	velocity, wavelength
	nucleolus, vesicle, centriole, eukaryote, prokaryote			
Common	Mixing up components of plant and animal cells	Understanding of the Mole as an amount of something, and		
Misconceptions	Tribuing up components of plant and animal cens	its relationship to balancing/balanced chemical equations –		
		the pupils taking App Sci tend to be from 11x2-x4 and will		
		have difficulty with this.		
Homework	Model cell		Mass and formula practice questions	
Assessment this half-	6 mark in class question	6 mark in class question	6 mark in class question	6 mark in class question
term	NHTW grid vocab test	NHTW grid vocab test	NHTW grid vocab test	NHTW grid vocab test
	Section test B1 wb 10 <sup>th</sup> Oct			
Career opportunities	LIFE SKILLS: Mathematical conversions	LIFE SKILLS: Understanding how to calculate compound	LIFE SKILLS: Practical skills	LIFE SKILLS: Understanding of how sound travels
Employment Links	EMPLOYMENT: Biomedical scientist	masses	EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/advanced-">https://edu.rsc.org/job-profiles/advanced-</a>	EMPLOYMENT: Sound engineer, lighting engineer,
		EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/advanced-">https://edu.rsc.org/job-profiles/advanced-</a>	apprentice-forensics/4010810.article	geophysicist
		apprentice-forensics/4010810.article		
<b>Employability Skills</b>	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy
	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity <mark>Numeracy</mark>
	Leadership <mark>Independence</mark>	Leadership Independence Listening	Leadership Independence Listening	Leadership Independence
	Listening Communication	Communication	Communication	Listening Communication
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork
	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive
IT Skills	IT1 & IT2: Appropriate websites and research for homework		IT1 & IT2: Appropriate websites and research for homework	
	CLD	DHN	CDE	CNAC
Magk F	CLP	DHN	CRE	SMS
Week 5	Lesson 1: Cells and their structure	Lesson 1: Preparing a standard solution and concentration	Lesson 1: Electronic structure	Lesson 1: Waves #5
(w/b 3 <sup>rd</sup> Oct)	Lesson 2: Cell structure			Terms related to the understanding of superposition of
Vov. Monda	Lesson 3: Cell structure	Accuracy procision	Chall sub shall aware land	Waves
Key Words	Identify, describe, explain Golgi, mitochondria, chloroplast, endoplasmic reticulum,	Accuracy, precision	Shell, sub-shell, energy level	Identify, describe, explain
Level 2	I TO THE TOTAL COLOR OF THE PROPERTY OF THE PR	Titration, Burette, pipette, concentration, moles per dm <sup>3</sup> ,		Longitudinal, transverse, compression, rarefaction, speed,
Lavel 2				volgaity, way alongth, and are siting, interference
Level 3	SER, RER, nucleolus, vesicle, centriole, eukaryote, prokaryote	concordant		velocity, wavelength, superposition, interference,
	SER, RER, nucleolus, vesicle, centriole, eukaryote, prokaryote	concordant	Cotting the basic Aufhau asinciple correct and their	destructive, constructive
Common Misconceptions			Getting the basic Aufbau principle correct and then extending it to sub-shells	

Homework		Practice questions		Practice questions	
Assessment this half-	6 mark in class question	6 mark in class question	6 mark in class question	6 mark in class question	
term	NHTW grid vocab test Section test B1 wb 10 <sup>th</sup> Oct	NHTW grid vocab test	NHTW grid vocab test	NHTW grid vocab test	
Career opportunities	LIFE SKILLS: Understanding cell structure	LIFE SKILLS: Understanding how to make solutions	LIFE SKILLS: Mathematical skills	LIFE SKILLS: Understanding of how sound travels	
Employment Links	EMPLOYMENT: Cellular biologist	EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/advanced-apprentice-forensics/4010810.article">https://edu.rsc.org/job-profiles/advanced-apprentice-forensics/4010810.article</a>	EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/advanced-apprentice-forensics/4010810.article">https://edu.rsc.org/job-profiles/advanced-apprentice-forensics/4010810.article</a>	EMPLOYMENT: Sound engineer, lighting engineer, geophysicist	
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	
	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity <mark>Numeracy</mark>	
	Leadership Independence Listening Communication	Leadership Independence Listening Communication	Leadership Independence Listening Communication	Leadership Independence Listening Communication	
	Presenting Teamwork	Listening Communication Presenting Teamwork	Presenting Communication  Presenting Teamwork	Presenting Teamwork	
	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive	
IT Skills		IT1 & IT2: Appropriate websites and research for homework		IT1 & IT2: Appropriate websites and research for homework	
	CLP	DHN	CRE	SMS	
Week 6	Lesson 1: Cell structure	Lesson 1: Preparing a standard solution and concentration –	Lesson 1: Electronic structure	Lesson 1: Waves #6	
(w/b 10 <sup>th</sup> Oct)	Lesson 2: B1 - Section review Lesson 3: B1 - Section assessment	calculate concentration		Terms related to the understanding of superposition of waves	
Key Words	Identify, describe, explain	Accuracy, precision	Shell, sub-shell, energy level	Identify, describe, explain	
Level 2	Golgi, mitochondria, chloroplast, endoplasmic reticulum,	Titration, Burette, pipette, concentration, moles per dm <sup>3</sup> ,		Longitudinal, transverse, compression, rarefaction, speed,	
Level 3	SER, RER, nucleolus, vesicle, centriole, eukaryote, prokaryote	concordant		velocity, wavelength, superposition, interference, destructive, constructive	
Common Misconceptions	Identified in assessment			Adding as vectors – noting + and -ve.	
Homework	Revision for assessment		s,p,d,f calculations		
Assessment this half-	6 mark in class question	6 mark in class question	6 mark in class question	6 mark in class question	
term	NHTW grid vocab test	NHTW grid vocab test	NHTW grid vocab test	NHTW grid vocab test	
Career opportunities	Section test B1 wb 10 <sup>th</sup> Oct  LIFE SKILLS: Resilience	LIFE SKILLS: Understanding how to make solutions	LIFE SKILLS: Mathematical skills	LIFE SKILLS: Understanding of how sound travels	
Employment Links	EMPLOYMENT: Biomedical scientist	EMPLOYMENT: https://edu.rsc.org/job-profiles/advanced-	EMPLOYMENT: https://edu.rsc.org/job-profiles/advanced-	EMPLOYMENT: Sound engineer, lighting engineer,	
		apprentice-forensics/4010810.article	apprentice-forensics/4010810.article	geophysicist	
Employability Skills	Aiming high Literacy	Aiming high Literacy Creativity Numeracy	Aiming high Literacy	Aiming high Literacy	
	Creativity Numeracy Leadership Independence	Creativity Numeracy Leadership Independence Listening	Creativity Numeracy Leadership Independence Listening	Creativity Numeracy Leadership Independence	
	Listening Communication	Communication	Communication	Listening Communication	
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	
IT Skills	Problem solving Staying positive  IT1 & IT2: Appropriate websites and research for homework	Problem solving Staying positive	Problem solving Staying positive IT1 & IT2: Appropriate websites and research for homework	Problem solving Staying positive	
11 JKIII3	111 & 112. Appropriate websites and research for nomework		111 & 112. Appropriate websites and research for nonnework		
	CLP	DHN	CRE	SMS	
Week 7	Lesson 1: Exemplars	Lesson 1: Preparing a standard solution and concentration –	Lesson 1: Intermolecular Forces	Lesson 1: Waves #7	
(w/b 17 <sup>th</sup> Oct)	Lesson 2: Hans Christian Gram Lesson 3: Hans Christian Gram	perform dilutions		Diffraction and superposition	
Key Words	Identify, describe, explain	Accuracy, precision	Van der Waals, temporary/induced dipole-dipole,	Identify, describe, explain	
Level 2	Safranin, crystal violet, peptidoglycan, periplasmic, cell	Titration, Burette, pipette, concentration, moles per dm <sup>3</sup> ,	permanent dipole-dipole, hydrogen bond	Longitudinal, transverse, compression, rarefaction, speed,	
Level 3	membrane	concordant		velocity, wavelength, superposition, interference, destructive, constructive	
Common	Students struggle with remembering the order and function		The terminology – van der Waals/London and dipole-dipole		
Misconceptions	of different stains		can be a pain as both are, according the syllabus, can be used		
Homework		Calculations for concentration		Practice questions	
Assessment this half-	6 mark in class question	6 mark in class question	6 mark in class question	6 mark in class question	
term	NHTW grid vocab test Section test B1 wb 10 <sup>th</sup> Oct	NHTW grid vocab test	NHTW grid vocab test	NHTW grid vocab test	
Career opportunities	LIFE SKILLS: Being able to identify types of bacteria	LIFE SKILLS: Rearranging mathematical formulae	LIFE SKILLS: Understanding interactions between molecules	LIFE SKILLS: Understanding of how sound travels	
Employment Links	EMPLOYMENT: Microbioloigst	EMPLOYMENT: https://edu.rsc.org/job-profiles/advanced-	EMPLOYMENT: https://edu.rsc.org/job-profiles/advanced-	EMPLOYMENT: Sound engineer, lighting engineer,	
		apprentice-forensics/4010810.article	apprentice-forensics/4010810.article	geophysicist	

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Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy
	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy
	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence
	Listening Communication	Listening Communication	Listening Communication	Listening Communication
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork
	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive
IT Skills		IT1 & IT2: Appropriate websites and research for homework	- Troublemostimg Starying positive	IT1 & IT2: Appropriate websites and research for homework
11 JKIIIS		111 & 112. Appropriate websites and research for nomework		111 & 112. Appropriate websites and research for nomework
	CLP	DHN	CRE	SMS
Week 8	Lesson 1: Specialised cells #1	Lesson 1: Acid-base titration and volumetric calculation -	Lesson 1: Intermolecular Forces	Lesson 1: Waves #7
(w/b Mon 31st Oct)	Lesson 2: Specialised cells #2	demo		Diffraction and superposition
	Lesson 3: Sex cells #1			
Key Words	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain
Level 2	Differentiated, epithelial, erythrocyte, gamete, chromosome,	Acid, base, alkali, titration, neutralisation, burette, pipette	Van der Waals, temporary/induced dipole-dipole, permanent	Longitudinal, transverse, compression, rarefaction, speed,
Level 3	genetic inheritance	pipette	dipole-dipole, hydrogen bond	velocity, wavelength, superposition, interference,
Level 5	genetic internatice		alpole dipole, flydrogen bolid	destructive, constructive
Common	Stom colls can make any coll	Dooding the hurette incorrectly	Electronegativity can be useful when identifying the types of	
Common	Stem cells can make any cell	Reading the burette incorrectly	, , , , , , , , , , , , , , , , , , , ,	Waves behave in the same way
Misconceptions			IM force present	
Homework	Cells homework		Forces questions	
Assessment this half-	B2 test w/b 21 <sup>st</sup> Nov	Progress test w/b 28 <sup>th</sup> Nov	Progress test w/b 28 <sup>th</sup> Nov	In class 6 mark Q's
term	In class 6 mark Q's	In class 6 mark Q's	In class 6 mark Q's	
Career opportunities	LIFE SKILLS: Understanding how characteristics are inherited	LIFE SKILLS: Understanding how to determine neutralisation	LIFE SKILLS: Understanding interactions between molecules	LIFE SKILLS: Understanding of how sound travels
Employment Links	EMPLOYMENT: Geneticist	points	EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/advanced-">https://edu.rsc.org/job-profiles/advanced-</a>	EMPLOYMENT: Sound engineer, lighting engineer,
		EMPLOYMENT: https://edu.rsc.org/job-profiles/advanced-	apprentice-forensics/4010810.article	geophysicist
		apprentice-forensics/4010810.article		State / state
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy
Linployability Skills	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy
				· · · · · · · · · · · · · · · · · · ·
	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence
	Listening Communication	Listening Communication	Listening Communication	<u>Listening</u> Communication
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork
	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive
IT Skills	IT1 & IT2: Appropriate websites and research for homework		IT1 & IT2: Appropriate websites and research for homework	
	CLP	DHN	CRE	SMS
Week 9	Lesson 1: Sex cells #2	Lesson 1: Acid-base titration and volumetric calculation -	Lesson 1: Intermolecular Forces	Lesson 1: Waves #8
(w/b 7 <sup>th</sup> Nov)	Lesson 2: Root hair cells #1	prac		Industrial applications of diffraction gratings and use of
, , , , ,	Lesson 3: Root hair cells #2			wave equation
Key Words	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain
Level 2	Differentiated, epithelial, erythrocyte, gamete, chromosome,	Acid, base, alkali, titration, neutralisation, burette, pipette	Van der Waals, temporary/induced dipole-dipole, permanent	Longitudinal, transverse, compression, rarefaction, speed,
Level 3		Acid, base, aikan, titration, neutransation, burette, pipette		
Level 5	genetic inheritance		dipole-dipole, hydrogen bond	velocity, wavelength, superposition, interference,
6	Para share sharistics on the state of the st	Paradia a homesta in anno 11	Floring control of the control of th	destructive, constructive, diffraction
Common	Boys characteristics are on the sperm and girls are in the egg	Reading burette incorrectly	Electronegativity can be useful when identifying the types of	Lambda is a length and is measured in m.
Misconceptions			IM force present	
Homework		Calculations questions		Wave equation practice questions
Assessment this half-	B2 test w/b 21 <sup>st</sup> Nov	Progress test w/b 28 <sup>th</sup> Nov	Progress test w/b 28 <sup>th</sup> Nov	In class 6 mark Q's
term	In class 6 mark Q's	In class 6 mark Q's	In class 6 mark Q's	
Career opportunities	LIFE SKILLS: Understanding how characteristics are inherited	LIFE SKILLS: Understanding how to determine neutralisation	LIFE SKILLS: Understanding interactions between molecules	LIFE SKILLS: Understanding of how sound travels
Employment Links	EMPLOYMENT: Geneticist	points	EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/advanced-">https://edu.rsc.org/job-profiles/advanced-</a>	EMPLOYMENT: Sound engineer, lighting engineer,
		EMPLOYMENT: https://edu.rsc.org/job-profiles/advanced-	apprentice-forensics/4010810.article	geophysicist
		apprentice-forensics/4010810.article		
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy
	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy
		The state of the s		
	Leadership Independence Listening			Leadership Independence
	Communication	Communication	Communication	Listening Communication
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork
	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive
IT Skills		IT1 & IT2: Appropriate websites and research for homework		IT1 & IT2: Appropriate websites and research for homework

	CLP	DHN	CRE	SMS		
Week 10	Lesson 1: Structure and function of the blood #1	Lesson 1: Acid-base titration and volumetric calculation -	Lesson 1: Physical properties of period 2 and 3 elements	Lesson 1: Waves #9		
(w/b 14 <sup>th</sup> Nov)	Lesson 2: Structure and function of the blood #2	prac		Industrial applications of diffraction gratings and use of		
	Lesson 3: White blood cells			wave equation		
Key Words	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain		
Level 2 Level 3	Erythrocyte, lymphocyte, phagocyte, platelet, plasma,	Acid, base, alkali, titration, neutralisation, burette, pipette	Melting point, boiling point, bond energy, ionisation energy,	Longitudinal, transverse, compression, rarefaction, speed,		
Level 3	photomicrograph		kJmol <sup>-1</sup>	velocity, wavelength, superposition, interference, destructive, constructive, diffraction		
Common	That the blood is just red blood cells	Conversions	Linking trends to bonding	Lambda is a length and is measured in m.		
Misconceptions						
Homework	Revision for unit B2 test		Period 2 and 3 summaries			
Assessment this half-	B2 test w/b 21st Nov	Progress test w/b 28 <sup>th</sup> Nov	Progress test w/b 28 <sup>th</sup> Nov	In class 6 mark Q's		
term	In class 6 mark Q's	In class 6 mark Q's	In class 6 mark Q's	LIFE CVILLE. The description of house county have to		
Career opportunities Employment Links	LIFE SKILLS: Understanding the role of the blood EMPLOYMENT: Phlebotomist	LIFE SKILLS: Understanding how to determine neutralisation points	LIFE SKILLS: Understanding how properties are linked to uses EMPLOYMENT: https://edu.rsc.org/job-profiles/advanced-	LIFE SKILLS: Understanding of how sound travels EMPLOYMENT: Sound engineer, lighting engineer,		
Limployment Links	LIVIT LOTIVILIVIT. FINEDOLOMISC	EMPLOYMENT: https://edu.rsc.org/job-profiles/advanced-	apprentice-forensics/4010810.article	geophysicist		
		apprentice-forensics/4010810.article	apprentice for enalty to 200 2010 to to to	geophysicist		
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy		
	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy		
	Leadership Independence Listening	Leadership Independence Listening	Leadership Independence Listening	Leadership Independence		
	Communication	Communication	Communication	Listening Communication		
	Presenting Teamwork Problem solving Staving positive	Presenting Teamwork  Problem solving Staying positive	Presenting Teamwork Problem solving Staying positive	Presenting Teamwork Problem solving Staying positive		
IT Skills	Problem solving Staying positive IT1 & IT2: Appropriate websites and research for homework	Problem solving Staying positive	Problem solving Staying positive IT1 & IT2: Appropriate websites and research for homework	Problem solving Staying positive		
11 JKIII3	111 & 112. Appropriate websites and research for nomework		111 & 112. Appropriate websites and research for nomework			
	CLP	DHN	CRE	SMS		
Week 11	Lesson 1: B2 Section review	Lesson 1: Section review	Lesson 1: Section review	Lesson 1: Waves #10		
(w/b 21 <sup>st</sup> Nov)	Lesson 2: B2 Section test			Progressive and stationary resonance		
	Lesson 3: B2 Exemplars					
Key Words	Identify, describe, explain, compare contrast	Identify, describe, explain, compare contrast	Identify, describe, explain, compare contrast	Identify, describe, explain		
Level 2 Level 3				Longitudinal, transverse, compression, rarefaction, speed, velocity, wavelength, superposition, interference,		
Levers				destructive, constructive, diffraction, node, antinode		
Common	Identified in B2 test	Identified through questioning	Identified through questioning	Waves behave in the same way		
Misconceptions				·		
Homework		Revise for mid unit test		Resonance practice questions		
Assessment this half-	B2 test w/b 21 <sup>st</sup> Nov	Progress test w/b 28 <sup>th</sup> Nov	Progress test w/b 28 <sup>th</sup> Nov	In class 6 mark Q's		
Canada annontonitica	In class 6 mark Q's	In class 6 mark Q's  LIFE SKILLS: Resilience	In class 6 mark Q's  LIFE SKILLS: Resilience	LIFE SKILLS: Understanding of how sound travels		
Career opportunities Employment Links	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist	EMPLOYMENT: Research scientist	EMPLOYMENT: Research scientist	EMPLOYMENT: Sound engineer, lighting engineer,		
Limployment Links	LIVII LOTIVILIVI. Nescarcii scientist	LIVII LOTIVILIVI. Nescarcii scientist	LIVII LOTIVILIVI. Nescarcii scientist	geophysicist		
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy		
	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy		
	Leadership Independence Listening	Leadership Independence Listening	Leadership Independence Listening	Leadership Independence		
	Communication	Communication	Communication	Listening Communication		
	Presenting Teamwork Problem solving Staying positive	Presenting Teamwork Problem solving Staying positive	Presenting Teamwork Problem solving Staying positive	Presenting Teamwork Problem solving Staying positive		
IT Skills	Troblem Staying Positive	IT1 & IT2: Appropriate websites and research for homework	Troblem Staying Positive	IT1 & IT2: Appropriate websites and research for homework		
	CLP	DHN	CRE	SMS		
Week 12	Lesson 1: Epithelial cells #1	Lesson 1: Progress check test	Lesson 1: Progress check test	Lesson 1: Waves #11		
(w/b 28 <sup>th</sup> Nov)	Lesson 2: Epithelial cells #2			Progressive and stationary resonance		
	Lesson 3: Pulmonary system #1					
Key Words	Identify, describe, explain	Identify, describe, explain, compare contrast	Identify, describe, explain, compare contrast	Identify, describe, explain		
Level 2 Level 3	Epithelial, squamous, fibrogen, tissue, connective, bronchi, pulmonary, bronchiole, spirometer, alveoli, intercostal,			Longitudinal, transverse, compression, rarefaction, speed, velocity, wavelength, superposition, interference,		
LEVEL 3	diaphragm			destructive, constructive, diffraction, node, antinode		
Common	That all tissues have the same structure	Identified from test	Identified from test	Waves behave in the same way		
Misconceptions						
Homework	Pulmonary system homework					
	1					

Assessment this half-	In class 6 mark Q's	Progress test w/b 28 <sup>th</sup> Nov	Progress test w/b 28 <sup>th</sup> Nov	In class 6 mark Q's		
term		In class 6 mark Q's	In class 6 mark Q's			
Career opportunities	LIFE SKILLS: Understanding the structure of the skin	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Understanding of how sound travels		
Employment Links	EMPLOYMENT: Dermatologist	EMPLOYMENT: Research scientist	EMPLOYMENT: Research scientist	EMPLOYMENT: Sound engineer, lighting engineer,		
Employment Links	EMPLOTMENT. Dermatologist	EMPLOTMENT. Research scientist	EMPLOTMENT. Research scientist			
				geophysicist		
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy		
	Creativity Numeracy	Creativity Numeracy	Creativity	Creativity Numeracy		
	Leadership Independence Listening	Leadership Independence Listening	Leadership Independence Listening	Leadership Independence		
	Communication	Communication	Communication	Listening Communication		
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork		
	9					
	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive		
IT Skills	IT1 & IT2: Appropriate websites and research for homework					
	CLP	DHN	CRE	SMS		
Week 13	Lesson 1: Pulmonary system #2	Lesson 1: Acid-base titration and volumetric calculation -	Lesson 1: Physical properties of period 2 and 3 elements –	Lesson 1: Waves #12		
(w/b 5 <sup>th</sup> Dec)	Lesson 2: Arteries and veins #1	calculations	compare Period 2 with Period 3	Musical instruments and the calculation of the speed of		
(11/23 200)	Lesson 3: Arteries and veins #2	Caroarations	compare remod 2 with remod 5	waves on a string		
VW		Indicate the indicate the control of	I despite a despite a secondata			
Key Words	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain		
<mark>Level 2</mark>	Bronchi, pulmonary, bronchiole, spirometer, alveoli,	Acid, base, alkali, titration, neutralisation, burette, pipette	Melting point, boiling point, bond energy, ionisation energy,	Longitudinal, transverse, compression, rarefaction, speed,		
Level 3	intercostal, diaphragm, artery, arteriole, vein, capillary,		kJmol <sup>-1</sup>	velocity, wavelength, superposition, interference,		
	lumen, oxygenated			destructive, constructive, diffraction, node, antinode		
Common	That respiration is breathing	Conversions	Linking trends to bonding	Waves behave in the same way		
Misconceptions				,		
Homework		Calculations practice		Speed of waves calculations		
	Le class C mark O/s	·	In along Cascally O's	•		
Assessment this half-	In class 6 mark Q's	In class 6 mark Q's	In class 6 mark Q's	In class 6 mark Q's		
term						
Career opportunities	LIFE SKILLS: Understanding how we breathe	LIFE SKILLS: Mathematical skills	LIFE SKILLS: Understanding how properties and uses are	LIFE SKILLS: Understanding of how sound travels		
Employment Links	EMPLOYMENT: Asthma nurse	EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/advanced-">https://edu.rsc.org/job-profiles/advanced-</a>	linked	EMPLOYMENT: Sound engineer, lighting engineer,		
		apprentice-forensics/4010810.article	EMPLOYMENT: https://edu.rsc.org/job-profiles/forensic-	geophysicist		
			scientist/4010920.article			
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy		
Employability Skills	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy		
			· · · · · · · · · · · · · · · · · · ·			
	Leadership Independence Listening	Leadership Independence Listening	Leadership Independence Listening	<u>Leadership</u> Independence		
	Communication	Communication	Communication	Listening Communication		
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork		
	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive		
IT Skills		IT1 & IT2: Appropriate websites and research for homework		IT1 & IT2: Appropriate websites and research for homework		
	CLP	DHN	CRE	SMS		
NA 1 4 4						
Week 14	Lesson 1: Cardiovascular and respiratory diseases #1	Lesson 1: Ionic Bonding and Formulae	Lesson 1: Chemical properties of period 2 and 3 elements	Lesson 1: Waves #13		
(w/b 12 <sup>th</sup> Dec)	Lesson 2: Cardiovascular and respiratory diseases #2		(reaction with oxygen)	Musical instruments and the calculation of the speed of		
	Lesson 3: Sliding filament theory #1			waves on a string		
Key Words	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain		
				Identify, describe, explain		
Level 2	Identify, describe, explain Emphysema, disease, pulmonary, myosin, actin, filament, ATP	Identify, describe, explain Oxidation, reduction, electrostatic attraction	Melting point, boiling point, bond energy, ionisation energy,	Identify, describe, explain Longitudinal, transverse, compression, rarefaction, speed,		
				Identify, describe, explain Longitudinal, transverse, compression, rarefaction, speed, velocity, wavelength, superposition, interference,		
Level 2 Level 3	Emphysema, disease, pulmonary, myosin, actin, filament, ATP	Oxidation, reduction, electrostatic attraction	Melting point, boiling point, bond energy, ionisation energy, kJmol <sup>-1</sup> , oxidation	Identify, describe, explain Longitudinal, transverse, compression, rarefaction, speed, velocity, wavelength, superposition, interference, destructive, constructive, diffraction, node, antinode		
Level 2 Level 3 Common		Oxidation, reduction, electrostatic attraction  Balancing compounds using oxidation number can be	Melting point, boiling point, bond energy, ionisation energy,	Identify, describe, explain Longitudinal, transverse, compression, rarefaction, speed, velocity, wavelength, superposition, interference,		
Level 2 Level 3  Common Misconceptions	Emphysema, disease, pulmonary, myosin, actin, filament, ATP  That smoking only affects the lungs	Oxidation, reduction, electrostatic attraction	Melting point, boiling point, bond energy, ionisation energy, kJmol <sup>-1</sup> , oxidation  All react on the same way with oxygen	Identify, describe, explain Longitudinal, transverse, compression, rarefaction, speed, velocity, wavelength, superposition, interference, destructive, constructive, diffraction, node, antinode		
Level 2 Level 3  Common Misconceptions Homework	Emphysema, disease, pulmonary, myosin, actin, filament, ATP  That smoking only affects the lungs  Cardiovascular homework	Oxidation, reduction, electrostatic attraction  Balancing compounds using oxidation number can be useful, but understanding of compound ions can be difficult	Melting point, boiling point, bond energy, ionisation energy, kJmol <sup>-1</sup> , oxidation  All react on the same way with oxygen  Equations homework	Identify, describe, explain Longitudinal, transverse, compression, rarefaction, speed, velocity, wavelength, superposition, interference, destructive, constructive, diffraction, node, antinode Waves behave in the same way		
Level 2 Level 3  Common Misconceptions	Emphysema, disease, pulmonary, myosin, actin, filament, ATP  That smoking only affects the lungs	Oxidation, reduction, electrostatic attraction  Balancing compounds using oxidation number can be	Melting point, boiling point, bond energy, ionisation energy, kJmol <sup>-1</sup> , oxidation  All react on the same way with oxygen	Identify, describe, explain Longitudinal, transverse, compression, rarefaction, speed, velocity, wavelength, superposition, interference, destructive, constructive, diffraction, node, antinode		
Level 2 Level 3  Common Misconceptions Homework	Emphysema, disease, pulmonary, myosin, actin, filament, ATP  That smoking only affects the lungs  Cardiovascular homework	Oxidation, reduction, electrostatic attraction  Balancing compounds using oxidation number can be useful, but understanding of compound ions can be difficult	Melting point, boiling point, bond energy, ionisation energy, kJmol <sup>-1</sup> , oxidation  All react on the same way with oxygen  Equations homework	Identify, describe, explain Longitudinal, transverse, compression, rarefaction, speed, velocity, wavelength, superposition, interference, destructive, constructive, diffraction, node, antinode Waves behave in the same way		
Level 2 Level 3  Common Misconceptions Homework Assessment this half-term	Emphysema, disease, pulmonary, myosin, actin, filament, ATP  That smoking only affects the lungs  Cardiovascular homework  In class 6 mark Q's	Oxidation, reduction, electrostatic attraction  Balancing compounds using oxidation number can be useful, but understanding of compound ions can be difficult  In class 6 mark Q's	Melting point, boiling point, bond energy, ionisation energy, kJmol <sup>-1</sup> , oxidation  All react on the same way with oxygen  Equations homework In class 6 mark Q's	Identify, describe, explain Longitudinal, transverse, compression, rarefaction, speed, velocity, wavelength, superposition, interference, destructive, constructive, diffraction, node, antinode Waves behave in the same way  In class 6 mark Q's		
Common Misconceptions Homework Assessment this half-term Career opportunities	Emphysema, disease, pulmonary, myosin, actin, filament, ATP  That smoking only affects the lungs  Cardiovascular homework In class 6 mark Q's  LIFE SKILLS: Understanding the effect of smoking on the	Oxidation, reduction, electrostatic attraction  Balancing compounds using oxidation number can be useful, but understanding of compound ions can be difficult  In class 6 mark Q's  LIFE SKILLS: Understanding how to determine formulae	Melting point, boiling point, bond energy, ionisation energy, kJmol <sup>-1</sup> , oxidation  All react on the same way with oxygen  Equations homework In class 6 mark Q's  LIFE SKILLS: Understanding how things react with oxygen	Identify, describe, explain Longitudinal, transverse, compression, rarefaction, speed, velocity, wavelength, superposition, interference, destructive, constructive, diffraction, node, antinode Waves behave in the same way  In class 6 mark Q's  LIFE SKILLS: Understanding of how sound travels		
Level 2 Level 3  Common Misconceptions Homework Assessment this half-term	Emphysema, disease, pulmonary, myosin, actin, filament, ATP  That smoking only affects the lungs  Cardiovascular homework  In class 6 mark Q's  LIFE SKILLS: Understanding the effect of smoking on the whole body	Oxidation, reduction, electrostatic attraction  Balancing compounds using oxidation number can be useful, but understanding of compound ions can be difficult  In class 6 mark Q's  LIFE SKILLS: Understanding how to determine formulae from ions	Melting point, boiling point, bond energy, ionisation energy, kJmol <sup>-1</sup> , oxidation  All react on the same way with oxygen  Equations homework In class 6 mark Q's  LIFE SKILLS: Understanding how things react with oxygen EMPLOYMENT: https://edu.rsc.org/job-profiles/forensic-	Identify, describe, explain Longitudinal, transverse, compression, rarefaction, speed, velocity, wavelength, superposition, interference, destructive, constructive, diffraction, node, antinode Waves behave in the same way  In class 6 mark Q's  LIFE SKILLS: Understanding of how sound travels EMPLOYMENT: Sound engineer, lighting engineer,		
Common Misconceptions Homework Assessment this half-term Career opportunities	Emphysema, disease, pulmonary, myosin, actin, filament, ATP  That smoking only affects the lungs  Cardiovascular homework  In class 6 mark Q's  LIFE SKILLS: Understanding the effect of smoking on the	Oxidation, reduction, electrostatic attraction  Balancing compounds using oxidation number can be useful, but understanding of compound ions can be difficult  In class 6 mark Q's  LIFE SKILLS: Understanding how to determine formulae from ions  EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/forensic-">https://edu.rsc.org/job-profiles/forensic-</a>	Melting point, boiling point, bond energy, ionisation energy, kJmol <sup>-1</sup> , oxidation  All react on the same way with oxygen  Equations homework In class 6 mark Q's  LIFE SKILLS: Understanding how things react with oxygen	Identify, describe, explain Longitudinal, transverse, compression, rarefaction, speed, velocity, wavelength, superposition, interference, destructive, constructive, diffraction, node, antinode Waves behave in the same way  In class 6 mark Q's  LIFE SKILLS: Understanding of how sound travels		
Level 2 Level 3  Common Misconceptions Homework Assessment this half-term Career opportunities Employment Links	Emphysema, disease, pulmonary, myosin, actin, filament, ATP  That smoking only affects the lungs  Cardiovascular homework In class 6 mark Q's  LIFE SKILLS: Understanding the effect of smoking on the whole body EMPLOYMENT: Asthma nurse	Oxidation, reduction, electrostatic attraction  Balancing compounds using oxidation number can be useful, but understanding of compound ions can be difficult  In class 6 mark Q's  LIFE SKILLS: Understanding how to determine formulae from ions  EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/forensic-scientist/4010920.article">https://edu.rsc.org/job-profiles/forensic-scientist/4010920.article</a>	Melting point, boiling point, bond energy, ionisation energy, kJmol <sup>-1</sup> , oxidation  All react on the same way with oxygen  Equations homework In class 6 mark Q's  LIFE SKILLS: Understanding how things react with oxygen EMPLOYMENT: https://edu.rsc.org/job-profiles/forensic-scientist/4010920.article	Identify, describe, explain Longitudinal, transverse, compression, rarefaction, speed, velocity, wavelength, superposition, interference, destructive, constructive, diffraction, node, antinode Waves behave in the same way  In class 6 mark Q's  LIFE SKILLS: Understanding of how sound travels EMPLOYMENT: Sound engineer, lighting engineer, geophysicist		
Common Misconceptions Homework Assessment this half-term Career opportunities	Emphysema, disease, pulmonary, myosin, actin, filament, ATP  That smoking only affects the lungs  Cardiovascular homework In class 6 mark Q's  LIFE SKILLS: Understanding the effect of smoking on the whole body EMPLOYMENT: Asthma nurse  Aiming high  Literacy	Oxidation, reduction, electrostatic attraction  Balancing compounds using oxidation number can be useful, but understanding of compound ions can be difficult  In class 6 mark Q's  LIFE SKILLS: Understanding how to determine formulae from ions  EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/forensic-scientist/4010920.article">https://edu.rsc.org/job-profiles/forensic-scientist/4010920.article</a> Aiming high  Literacy	Melting point, boiling point, bond energy, ionisation energy, kJmol <sup>-1</sup> , oxidation  All react on the same way with oxygen  Equations homework In class 6 mark Q's  LIFE SKILLS: Understanding how things react with oxygen EMPLOYMENT: https://edu.rsc.org/job-profiles/forensic-scientist/4010920.article  Aiming high  Literacy	Identify, describe, explain Longitudinal, transverse, compression, rarefaction, speed, velocity, wavelength, superposition, interference, destructive, constructive, diffraction, node, antinode Waves behave in the same way  In class 6 mark Q's  LIFE SKILLS: Understanding of how sound travels EMPLOYMENT: Sound engineer, lighting engineer, geophysicist  Aiming high  Literacy		
Level 2 Level 3  Common Misconceptions Homework Assessment this half-term Career opportunities Employment Links	Emphysema, disease, pulmonary, myosin, actin, filament, ATP  That smoking only affects the lungs  Cardiovascular homework In class 6 mark Q's  LIFE SKILLS: Understanding the effect of smoking on the whole body EMPLOYMENT: Asthma nurse	Oxidation, reduction, electrostatic attraction  Balancing compounds using oxidation number can be useful, but understanding of compound ions can be difficult  In class 6 mark Q's  LIFE SKILLS: Understanding how to determine formulae from ions  EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/forensic-scientist/4010920.article">https://edu.rsc.org/job-profiles/forensic-scientist/4010920.article</a>	Melting point, boiling point, bond energy, ionisation energy, kJmol <sup>-1</sup> , oxidation  All react on the same way with oxygen  Equations homework In class 6 mark Q's  LIFE SKILLS: Understanding how things react with oxygen EMPLOYMENT: https://edu.rsc.org/job-profiles/forensic-scientist/4010920.article	Identify, describe, explain Longitudinal, transverse, compression, rarefaction, speed, velocity, wavelength, superposition, interference, destructive, constructive, diffraction, node, antinode Waves behave in the same way  In class 6 mark Q's  LIFE SKILLS: Understanding of how sound travels EMPLOYMENT: Sound engineer, lighting engineer, geophysicist		
Level 2 Level 3  Common Misconceptions Homework Assessment this half-term Career opportunities Employment Links	Emphysema, disease, pulmonary, myosin, actin, filament, ATP  That smoking only affects the lungs  Cardiovascular homework In class 6 mark Q's  LIFE SKILLS: Understanding the effect of smoking on the whole body EMPLOYMENT: Asthma nurse  Aiming high  Literacy	Oxidation, reduction, electrostatic attraction  Balancing compounds using oxidation number can be useful, but understanding of compound ions can be difficult  In class 6 mark Q's  LIFE SKILLS: Understanding how to determine formulae from ions  EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/forensic-scientist/4010920.article">https://edu.rsc.org/job-profiles/forensic-scientist/4010920.article</a> Aiming high  Literacy	Melting point, boiling point, bond energy, ionisation energy, kJmol <sup>-1</sup> , oxidation  All react on the same way with oxygen  Equations homework In class 6 mark Q's  LIFE SKILLS: Understanding how things react with oxygen EMPLOYMENT: https://edu.rsc.org/job-profiles/forensic-scientist/4010920.article  Aiming high  Literacy	Identify, describe, explain Longitudinal, transverse, compression, rarefaction, speed, velocity, wavelength, superposition, interference, destructive, constructive, diffraction, node, antinode Waves behave in the same way  In class 6 mark Q's  LIFE SKILLS: Understanding of how sound travels EMPLOYMENT: Sound engineer, lighting engineer, geophysicist  Aiming high  Literacy		
Level 2 Level 3  Common Misconceptions Homework Assessment this half-term Career opportunities Employment Links	Emphysema, disease, pulmonary, myosin, actin, filament, ATP  That smoking only affects the lungs  Cardiovascular homework  In class 6 mark Q's  LIFE SKILLS: Understanding the effect of smoking on the whole body EMPLOYMENT: Asthma nurse  Aiming high Creativity Numeracy Leadership Independence	Oxidation, reduction, electrostatic attraction  Balancing compounds using oxidation number can be useful, but understanding of compound ions can be difficult  In class 6 mark Q's  LIFE SKILLS: Understanding how to determine formulae from ions  EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/forensic-scientist/4010920.article">https://edu.rsc.org/job-profiles/forensic-scientist/4010920.article</a> Aiming high  Literacy  Creativity  Numeracy  Leadership  Independence	Melting point, boiling point, bond energy, ionisation energy, kJmol <sup>-1</sup> , oxidation  All react on the same way with oxygen  Equations homework In class 6 mark Q's  LIFE SKILLS: Understanding how things react with oxygen EMPLOYMENT: https://edu.rsc.org/job-profiles/forensic-scientist/4010920.article  Aiming high Literacy Creativity Numeracy Leadership Independence	Identify, describe, explain Longitudinal, transverse, compression, rarefaction, speed, velocity, wavelength, superposition, interference, destructive, constructive, diffraction, node, antinode  Waves behave in the same way  In class 6 mark Q's  LIFE SKILLS: Understanding of how sound travels EMPLOYMENT: Sound engineer, lighting engineer, geophysicist  Aiming high Creativity Leadership Independence		
Level 2 Level 3  Common Misconceptions Homework Assessment this half- term Career opportunities Employment Links	Emphysema, disease, pulmonary, myosin, actin, filament, ATP  That smoking only affects the lungs  Cardiovascular homework  In class 6 mark Q's  LIFE SKILLS: Understanding the effect of smoking on the whole body EMPLOYMENT: Asthma nurse  Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication	Oxidation, reduction, electrostatic attraction  Balancing compounds using oxidation number can be useful, but understanding of compound ions can be difficult  In class 6 mark Q's  LIFE SKILLS: Understanding how to determine formulae from ions  EMPLOYMENT: https://edu.rsc.org/job-profiles/forensic-scientist/4010920.article  Aiming high  Creativity  Numeracy  Leadership  Independence  Listening  Communication	Melting point, boiling point, bond energy, ionisation energy, kJmol <sup>-1</sup> , oxidation  All react on the same way with oxygen  Equations homework In class 6 mark Q's  LIFE SKILLS: Understanding how things react with oxygen EMPLOYMENT: https://edu.rsc.org/job-profiles/forensic-scientist/4010920.article  Aiming high Creativity Numeracy Leadership Lindependence Listening Communication	Identify, describe, explain Longitudinal, transverse, compression, rarefaction, speed, velocity, wavelength, superposition, interference, destructive, constructive, diffraction, node, antinode  Waves behave in the same way  In class 6 mark Q's  LIFE SKILLS: Understanding of how sound travels EMPLOYMENT: Sound engineer, lighting engineer, geophysicist  Aiming high Creativity Leadership Independence Listening  Communication		
Level 2 Level 3  Common Misconceptions Homework Assessment this half- term Career opportunities Employment Links	Emphysema, disease, pulmonary, myosin, actin, filament, ATP  That smoking only affects the lungs  Cardiovascular homework  In class 6 mark Q's  LIFE SKILLS: Understanding the effect of smoking on the whole body EMPLOYMENT: Asthma nurse  Aiming high Creativity Numeracy Leadership Independence	Oxidation, reduction, electrostatic attraction  Balancing compounds using oxidation number can be useful, but understanding of compound ions can be difficult  In class 6 mark Q's  LIFE SKILLS: Understanding how to determine formulae from ions  EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/forensic-scientist/4010920.article">https://edu.rsc.org/job-profiles/forensic-scientist/4010920.article</a> Aiming high  Literacy  Creativity  Numeracy  Leadership  Independence	Melting point, boiling point, bond energy, ionisation energy, kJmol <sup>-1</sup> , oxidation  All react on the same way with oxygen  Equations homework In class 6 mark Q's  LIFE SKILLS: Understanding how things react with oxygen EMPLOYMENT: https://edu.rsc.org/job-profiles/forensic-scientist/4010920.article  Aiming high Literacy Creativity Numeracy Leadership Independence	Identify, describe, explain Longitudinal, transverse, compression, rarefaction, speed, velocity, wavelength, superposition, interference, destructive, constructive, diffraction, node, antinode  Waves behave in the same way  In class 6 mark Q's  LIFE SKILLS: Understanding of how sound travels EMPLOYMENT: Sound engineer, lighting engineer, geophysicist  Aiming high Creativity Leadership Independence		

IT Skills	IT1 & IT2: Appropriate websites and research for homework		IT1 & IT2: Appropriate websites and research for homework			
	CLP	DHN	CRE	SMS		
Week 15	Lesson 1: Sliding filament theory #2	Lesson 1: Ionic Bonding and Formulae	Lesson 1: X	Lesson 1: X		
(w/b 19 <sup>th</sup> Dec)	Lesson 2: X					
End of term	Lesson 3: X					
Wednesday 20 <sup>th</sup> December						
Key Words	Identify, describe, explain	Identify, describe, explain				
Level 2	Myosin, actin, filament, ATP	Oxidation, reduction, electrostatic attraction				
Level 3	wyosin, actin, mament, Arr	Oxidation, reduction, electrostatic attraction				
Common	That muscles all work in pairs	Balancing compounds using oxidation number can be				
Misconceptions	mat mastics an work in pairs	useful, but understanding of compound ions can be difficult				
Homework		Formulae practice questions				
TIOMIC WOLK		Tormalae praesiee questions				
Assessment this half-	In class 6 mark Q's	In class 6 mark Q's				
term	m stass o mank Q o	in stass o main Qo				
Career opportunities	LIFE SKILLS: Understanding how muscles work	LIFE SKILLS: Understanding how to determine formulae				
Employment Links	EMPLOYMENT: Physiotherapist, personal trainer	from ions				
		EMPLOYMENT: https://edu.rsc.org/job-profiles/forensic-				
		scientist/4010920.article				
<b>Employability Skills</b>	Aiming high Literacy	Aiming high Literacy				
	Creativity Numeracy	Creativity Numeracy				
	Leadership Independence Listening	Leadership Independence Listening				
	Communication	Communication				
	Presenting Teamwork	Presenting Teamwork				
ol !!!	Problem solving Staying positive	Problem solving Staying positive				
IT Skills		IT1 & IT2: Appropriate websites and research for homework				
	CLD	DIN.	CDS	CAAC		
144 I. 4C	CLP	DHN	CRE	SMS		
Week 16 (w/b Wed 4 <sup>th</sup> Jan)	Lesson 1: ECG traces #1 Lesson 2: ECG traces #2	Lesson 1: Covalent Bonding	Lesson 1: Chemical properties of period 2 and 3 elements	Lesson 1: Waves #14 Using equations on the speed of waves and how waves		
(w/b wed 4° Jan)	Lesson 3: Nervous system #1 - neurones		(reaction with oxygen) – oxidation and reduction/equation writing	produce notes from vibrating air columns		
Key Words	Identify, describe, explain, explore, compare, evaluate	Identify, describe, explain, explore, compare, evaluate,	Identify, describe, explain, explore, compare, evaluate	Identify, describe, explain, explore, compare, evaluate		
Level 2	Diastole, systole, ventricle, atrium, septum, bundle of His,	sharing, small molecule	Melting point, boiling point, bond energy, ionisation energy,	Longitudinal, transverse, compression, rarefaction, speed,		
Level 3	depolarisation, repolarisation, purkynje fibres, SAN, AVN,	Covalent, inter molecular, intra molecular, electron	kJmol <sup>-1</sup> , oxidation	velocity, wavelength, superposition, interference,		
	neurone, axon, dendrite		,	destructive, constructive, diffraction, node, antinode		
Common	That defibrillators can be used on any heart issue	Some confusion between ionic and covalent bonding is		Confusion between speed of sound and light		
Misconceptions	,	expected, as is the combination of the electronic structures				
		of atoms into one electronic structure for the molecule.				
Homework	Identifying issues from ECGs worksheet		Equation practice questions			
Assessment this half-	B3 section test	In class 6 mark questions	In class 6 mark questions	In class 6 mark questions		
term	Biology mock exam					
Career opportunities	LIFE SKILLS: Understanding how to read an ECG	LIFE SKILLS: Understanding how non-metals bond	LIFE SKILLS: Understanding how things react with oxygen	LIFE SKILLS: Understanding of how sound travels		
Employment Links	EMPLOYMENT: Paramedic, nurse, doctor	EMPLOYMENT: https://edu.rsc.org/job-profiles/forensic-	EMPLOYMENT: https://edu.rsc.org/job-profiles/forensic-	EMPLOYMENT: Sound engineer, lighting engineer,		
		scientist/4010920.article	scientist/4010920.article	geophysicist		
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy		
	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy		
	Leadership Independence Listening Communication	Leadership Independence Listening Communication	Leadership Independence Listening Communication	Leadership Independence Listening Communication		
	Listening Communication Presenting Teamwork	Listening Communication Presenting Teamwork	Presenting Communication  Presenting Teamwork	Presenting Communication  Teamwork		
	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive		
IT Skills	IT1 & IT2: Appropriate websites and research for homework	Staying positive	IT1 & IT2: Appropriate websites and research for homework	Transferring Stuying positive		
ii Janii	112 & 112. Appropriate websites and research for nomework		112 & 112. Appropriate websites and research for nomework			
	CLP	DHN	CRE	SMS		
Week 17	Lesson 1: Nervous system #2 - axons	Lesson 1: Covalent Bonding	Lesson 1: Variable oxidation states of TMs – electronic	Lesson 1: Waves #15		
(w/b 9 <sup>th</sup> Jan)	Lesson 2: Nervous system #3 - synapses		structure	Using equations on the speed of waves and how waves		
, , , , , , , , , , , , , , , , , , , ,	Lesson 3: Myelin sheath #1			produce notes from vibrating air columns		
				p. 2 3.200 Hotoo Hom Morating all columnia		

Key Words Level 2 Level 3	Identify, describe, explain, explore, compare, evaluate Depolarisation, repolarisation, neurone, axon, dendrite, synapse, neurotransmitter, acetylcholine, myelinated, synaptic cleft, pre synaptic knob, post synaptic knob	Identify, describe, explain, explore, compare, evaluate, sharing, small molecule Covalent, inter molecular, intra molecular, electron	Identify, describe, explain, explore, compare, evaluate d-shell, ligand	Identify, describe, explain, explore, compare, evaluate Longitudinal, transverse, compression, rarefaction, speed, velocity, wavelength, superposition, interference, destructive, constructive, diffraction, node, antinode	
Common Misconceptions	All neurones are the same	Some confusion between ionic and covalent bonding is expected, as is the combination of the electronic structures of atoms into one electronic structure for the molecule.	Aufbau principle and adding/removing 4s electrons first rather than 3d electrons	Confusion between speed of sound and light	
Homework		Drawing covalent bonding task		Equations practice questions	
Assessment this half-	B3 section test	In class 6 mark questions	In class 6 mark questions	In class 6 mark questions	
term	Biology mock exam				
Career opportunities Employment Links	LIFE SKILLS: Understanding how reflexes work EMPLOYMENT: Physiotherapist	LIFE SKILLS: Understanding how non-metals bond EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/forensic-scientist/4010920.article">https://edu.rsc.org/job-profiles/forensic-scientist/4010920.article</a>	LIFE SKILLS: Understanding hoe electrons are arranged EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/consumer-products-technician/4010850.article">https://edu.rsc.org/job-profiles/consumer-products-technician/4010850.article</a>	LIFE SKILLS: Understanding of how sound travels EMPLOYMENT: Sound engineer, lighting engineer, geophysicist	
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	
	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	
	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	
	<u>Listening</u> Communication	<u>Listening</u> Communication	Listening Communication	Listening Communication	
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	
	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive	
IT Skills		IT1 & IT2: Appropriate websites and research for homework		IT1 & IT2: Appropriate websites and research for homework	
	CLP	DHN	CRE	SMS	
Week 18 (w/b 16 <sup>th</sup> Jan)	Lesson 1: Myelin sheath #2 Lesson 2: Action potential Lesson 3: Resting potential	Lesson 1: Bonding and Structure Investigation	Lesson 1: Variable oxidation states of TMs – displacement reactions	Lesson 1: Waves #16 Refractive index	
Key Words Level 2 Level 3	Identify, describe, explain, explore, compare, evaluate Depolarisation, repolarisation, neurone, axon, dendrite, synapse, neurotransmitter, acetylcholine, myelinated, synaptic cleft, pre synaptic knob, post synaptic knob	Identify, describe, explain, explore, compare, evaluate Subject specific keywords taken from HT1 & HT2	Identify, describe, explain, explore, compare, evaluate d-shell, ligand, displacement	Identify, describe, explain, explore, compare, evaluate Refractive index, incident, reflected ray, refracted ray, total internal reflection, normal, angle of reflection, angle of incidence	
Common Misconceptions	All neurones have myelin			Difference between reflect and refract	
Homework	Synaptic transmission question		Displacement reaction practice questions		
Assessment this half- term	B3 section test Biology mock exam	In class 6 mark questions	In class 6 mark questions	In class 6 mark questions	
Career opportunities Employment Links	LIFE SKILLS: Understanding how reflexes work EMPLOYMENT: Physiotherapist	LIFE SKILLS: Understanding how to plan investigations EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/senior-analytical-systems-technician/4010828.article">https://edu.rsc.org/job-profiles/senior-analytical-systems-technician/4010828.article</a>	LIFE SKILLS: Understanding how metals react EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/consumer-products-technician/4010850.article">https://edu.rsc.org/job-profiles/consumer-products-technician/4010850.article</a>	LIFE SKILLS: Understanding of how light travels, how we see and how fibre optic cables work EMPLOYMENT: Lighting Engineer, Fibre Optic Cable Engineer, Seismic Geophysicist, Seismologist	
Employability Skills	Aiming high Creativity Numeracy Leadership Independence Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high  Creativity  Leadership  Communication  Presenting  Teamwork  Problem solving  Staying positive	
IT Skills	IT1 & IT2: Appropriate websites and research for homework		IT1 & IT2: Appropriate websites and research for homework		
	CLP	DHN	CRE	SMS	
Week 19 (w/b 23 <sup>rd</sup> Jan)	Lesson 1: Brain structure Lesson 2: Chemical effects on the brain Lesson 3: B3 Section review	Lesson 1: Bonding and Structure Investigation	Lesson 1: Group 1 and 7 reactivity – alkali and alkaline earth metals with water and displacement reactions	Lesson 1: Waves #17 Refractive index	
Key Words Level 2 Level 3	Identify, describe, explain, explore, compare, evaluate Depolarisation, repolarisation, neurone, axon, dendrite, synapse, neurotransmitter, acetylcholine, myelinated, synaptic cleft, pre synaptic knob, post synaptic knob, cerebellum, cerebrum, medulla, hypothalamus, serotonin, dopamine	Identify, describe, explain, explore, compare, evaluate Subject specific keywords taken from HT1 & HT2	Identify, describe, explain, explore, compare, evaluate Alkali, hydroxide, oxide	Identify, describe, explain, explore, compare, evaluate Refractive index, incident, reflected ray, refracted ray, total internal reflection, normal, angle of reflection, angle of incidence	
Common Misconceptions	The effects of drugs on the brain		Balancing, getting hydroxide formulae correct		
Assessment this half-	B3 section test Biology mock exam	Investigation research and write up In class 6 mark questions	In class 6 mark questions	Refractive index diagrams and calculations In class 6 mark questions	
term	piology mock exam	<u> </u>	<u> </u>	1	

Career opportunities	LIFE SKILLS: Understanding how different drugs can affect th		LIFE SKILLS: Understanding reactivity	LIFE SKILLS: Understanding of how light travels, how we	
Employment Links	brain	EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/senior-">https://edu.rsc.org/job-profiles/senior-</a>	EMPLOYMENT: https://edu.rsc.org/job-profiles/consumer-	see and how fibre optic cables work	
	EMPLOYMENT: Counsellor	analytical-systems-technician/4010828.article	products-technician/4010850.article	EMPLOYMENT: Lighting Engineer, Fibre Optic Cable	
				Engineer, Seismic Geophysicist, Seismologist	
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	
	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	
	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	
	Listening Communication	Listening Communication	Listening Communication	Listening Communication	
			_		
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	
	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive	
IT Skills		IT1 & IT2: Appropriate websites and research for homework		IT1 & IT2: Appropriate websites and research for homework	
	CLP	DHN	CRE	SMS	
Week 20	Lesson 1: B3 Section test	Lesson 1: Reactions of metals with acids	Lesson 1: Group 1 and 7 reactivity – alkali and alkaline earth	Lesson 1: Waves #18	
(w/b 30 <sup>th</sup> Jan)	Lesson 2: Unit review		metals with water and displacement reactions	Total internal reflection, critical angle	
	Lesson 3: Unit review				
Key Words	Identify, describe, explain, explore, compare, evaluate	Identify, describe, explain, explore, compare, evaluate	Identify, describe, explain, explore, compare, evaluate	Identify, describe, explain, explore, compare, evaluate	
Level 2	Taken from all keywords identified from HT1-3	Oxidation, reduction, oxidation number	Alkali, hydroxide, oxide	Refractive index, incident, reflected ray, refracted ray, total	
Level 3				internal reflection, normal, angle of reflection, angle of	
				incidence, critical angle	
Common	Identified in test		Balancing, getting hydroxide formulae correct	, , , , , , , , , , , , , , , , , , , ,	
Misconceptions					
Homework	Revision for mock and feedback from B3 test		Displacement reaction equations		
Assessment this half-	B3 section test	In class 6 mark questions	In class 6 mark questions	In class 6 mark questions	
		ill class o mark questions	III class o mark questions	III class o mark questions	
term	Biology mock exam	LIEE CHILL College de serve din a la serve de serve de la serve de	LIEE CHILLS. He denotes disconnectivity.	LIEE CHILLS. He denotes diese of heavy liebt travale heavy	
Career opportunities	LIFE SKILLS: Organisation and preparation	LIFE SKILLS: Understanding how metals react	LIFE SKILLS: Understanding reactivity	LIFE SKILLS: Understanding of how light travels, how we	
Employment Links	EMPLOYMENT: Nurse, physiotherapist, research scientist	EMPLOYMENT: https://edu.rsc.org/job-profiles/senior-	EMPLOYMENT: https://edu.rsc.org/job-profiles/consumer-	see and how fibre optic cables work	
		analytical-systems-technician/4010828.article	products-technician/4010850.article	EMPLOYMENT: Lighting Engineer, Fibre Optic Cable	
				Engineer, Seismic Geophysicist, Seismologist	
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	
	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	
	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	
	Listening Communication	Listening Communication	Listening Communication	<b>Listening</b> Communication	
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	
	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive	
IT Skills	IT1 & IT2: Appropriate websites and research for homework		IT1 & IT2: Appropriate websites and research for homework	, , , , , , , , , , , , , , , , , , ,	
			The state of the s		
	CLP	DHN	CRE	SMS	
Week 21	Lesson 1: Biology mock exam	Lesson 1: Reactions of metals with acids	Lesson 1: Group 1 and 7 reactivity – alkali and alkaline earth	Lesson 1: Waves #19	
(w/b 6 <sup>th</sup> Feb)	— ·	Lesson 1. Reactions of metals with acids			
(W/D 6" Feb)	Lesson 2: Exemplars		metals with water and displacement reactions – equation	Total internal reflection, critical angle	
	Lesson 3: Feedback		writing practice		
Key Words	Identify, describe, explain, explore, compare, evaluate	Identity describe evaluin evalure compare evaluate	Idontitu doccribo ovolgio ovolgro comparo ovaluato	Identify, describe, explain, explore, compare, evaluate	
<mark>Level 2</mark>		Identify, describe, explain, explore, compare, evaluate	Identify, describe, explain, explore, compare, evaluate		
	Taken from all keywords identified from HT1-3	Oxidation, reduction, oxidation number	Alkali, hydroxide, oxide	Refractive index, incident, reflected ray, refracted ray, total	
Level 3				Refractive index, incident, reflected ray, refracted ray, total internal reflection, normal, angle of reflection, angle of	
	Taken from all keywords identified from HT1-3			Refractive index, incident, reflected ray, refracted ray, total	
Common				Refractive index, incident, reflected ray, refracted ray, total internal reflection, normal, angle of reflection, angle of	
	Taken from all keywords identified from HT1-3	Oxidation, reduction, oxidation number	Alkali, hydroxide, oxide	Refractive index, incident, reflected ray, refracted ray, total internal reflection, normal, angle of reflection, angle of incidence, critical angle	
Common	Taken from all keywords identified from HT1-3  Identified in test		Alkali, hydroxide, oxide	Refractive index, incident, reflected ray, refracted ray, total internal reflection, normal, angle of reflection, angle of	
Common Misconceptions	Taken from all keywords identified from HT1-3	Oxidation, reduction, oxidation number	Alkali, hydroxide, oxide	Refractive index, incident, reflected ray, refracted ray, total internal reflection, normal, angle of reflection, angle of incidence, critical angle	
Common Misconceptions Homework	Taken from all keywords identified from HT1-3  Identified in test	Oxidation, reduction, oxidation number  Equations practice	Alkali, hydroxide, oxide  → Rather than =	Refractive index, incident, reflected ray, refracted ray, total internal reflection, normal, angle of reflection, angle of incidence, critical angle  Reflection and refraction questions	
Common Misconceptions Homework Assessment this half-	Taken from all keywords identified from HT1-3  Identified in test  B3 section test	Oxidation, reduction, oxidation number  Equations practice	Alkali, hydroxide, oxide  → Rather than =  In class 6 mark questions	Refractive index, incident, reflected ray, refracted ray, total internal reflection, normal, angle of reflection, angle of incidence, critical angle  Reflection and refraction questions	
Common Misconceptions Homework Assessment this half-term Career opportunities	Taken from all keywords identified from HT1-3  Identified in test  B3 section test Biology mock exam  LIFE SKILLS: Organisation and preparation	Oxidation, reduction, oxidation number  Equations practice In class 6 mark questions  LIFE SKILLS: Understanding how metals react	Alkali, hydroxide, oxide  → Rather than =  In class 6 mark questions  LIFE SKILLS: Understanding how to interpret equations	Refractive index, incident, reflected ray, refracted ray, total internal reflection, normal, angle of reflection, angle of incidence, critical angle  Reflection and refraction questions In class 6 mark questions  LIFE SKILLS: Understanding of how light travels, how we	
Common Misconceptions Homework Assessment this half-term	Taken from all keywords identified from HT1-3  Identified in test  B3 section test Biology mock exam	Oxidation, reduction, oxidation number  Equations practice In class 6 mark questions  LIFE SKILLS: Understanding how metals react EMPLOYMENT: https://edu.rsc.org/job-profiles/senior-	Alkali, hydroxide, oxide  →Rather than =  In class 6 mark questions  LIFE SKILLS: Understanding how to interpret equations EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/consumer-">https://edu.rsc.org/job-profiles/consumer-</a>	Refractive index, incident, reflected ray, refracted ray, total internal reflection, normal, angle of reflection, angle of incidence, critical angle  Reflection and refraction questions In class 6 mark questions  LIFE SKILLS: Understanding of how light travels, how we see and how fibre optic cables work	
Common Misconceptions Homework Assessment this half-term Career opportunities	Taken from all keywords identified from HT1-3  Identified in test  B3 section test Biology mock exam  LIFE SKILLS: Organisation and preparation	Oxidation, reduction, oxidation number  Equations practice In class 6 mark questions  LIFE SKILLS: Understanding how metals react	Alkali, hydroxide, oxide  → Rather than =  In class 6 mark questions  LIFE SKILLS: Understanding how to interpret equations	Refractive index, incident, reflected ray, refracted ray, total internal reflection, normal, angle of reflection, angle of incidence, critical angle  Reflection and refraction questions  In class 6 mark questions  LIFE SKILLS: Understanding of how light travels, how we see and how fibre optic cables work  EMPLOYMENT: Lighting Engineer, Fibre Optic Cable	
Common Misconceptions Homework Assessment this half-term Career opportunities Employment Links	Taken from all keywords identified from HT1-3  Identified in test  B3 section test Biology mock exam  LIFE SKILLS: Organisation and preparation EMPLOYMENT: Nurse, physiotherapist, research scientist	Equations practice In class 6 mark questions  LIFE SKILLS: Understanding how metals react EMPLOYMENT: https://edu.rsc.org/job-profiles/senior-analytical-systems-technician/4010828.article	Alkali, hydroxide, oxide  →Rather than =  In class 6 mark questions  LIFE SKILLS: Understanding how to interpret equations  EMPLOYMENT: https://edu.rsc.org/job-profiles/consumer-products-technician/4010850.article	Refractive index, incident, reflected ray, refracted ray, total internal reflection, normal, angle of reflection, angle of incidence, critical angle  Reflection and refraction questions In class 6 mark questions  LIFE SKILLS: Understanding of how light travels, how we see and how fibre optic cables work EMPLOYMENT: Lighting Engineer, Fibre Optic Cable Engineer, Seismic Geophysicist, Seismologist	
Common Misconceptions Homework Assessment this half-term Career opportunities	Taken from all keywords identified from HT1-3  Identified in test  B3 section test Biology mock exam  LIFE SKILLS: Organisation and preparation EMPLOYMENT: Nurse, physiotherapist, research scientist  Aiming high  Literacy	Equations practice In class 6 mark questions  LIFE SKILLS: Understanding how metals react EMPLOYMENT: https://edu.rsc.org/job-profiles/senior-analytical-systems-technician/4010828.article  Aiming high Literacy	Alkali, hydroxide, oxide  → Rather than =  In class 6 mark questions  LIFE SKILLS: Understanding how to interpret equations EMPLOYMENT: https://edu.rsc.org/job-profiles/consumer-products-technician/4010850.article  Aiming high  Literacy	Refractive index, incident, reflected ray, refracted ray, total internal reflection, normal, angle of reflection, angle of incidence, critical angle  Reflection and refraction questions In class 6 mark questions  LIFE SKILLS: Understanding of how light travels, how we see and how fibre optic cables work EMPLOYMENT: Lighting Engineer, Fibre Optic Cable Engineer, Seismic Geophysicist, Seismologist Aiming high  Literacy	
Common Misconceptions Homework Assessment this half-term Career opportunities Employment Links	Taken from all keywords identified from HT1-3  Identified in test  B3 section test Biology mock exam  LIFE SKILLS: Organisation and preparation EMPLOYMENT: Nurse, physiotherapist, research scientist  Aiming high Creativity  Literacy Numeracy	Equations practice In class 6 mark questions  LIFE SKILLS: Understanding how metals react EMPLOYMENT: https://edu.rsc.org/job-profiles/senior-analytical-systems-technician/4010828.article  Aiming high Literacy Creativity Numeracy	Alkali, hydroxide, oxide  → Rather than =  In class 6 mark questions  LIFE SKILLS: Understanding how to interpret equations EMPLOYMENT: https://edu.rsc.org/job-profiles/consumer-products-technician/4010850.article  Aiming high Creativity  Numeracy	Refractive index, incident, reflected ray, refracted ray, total internal reflection, normal, angle of reflection, angle of incidence, critical angle  Reflection and refraction questions In class 6 mark questions  LIFE SKILLS: Understanding of how light travels, how we see and how fibre optic cables work EMPLOYMENT: Lighting Engineer, Fibre Optic Cable Engineer, Seismic Geophysicist, Seismologist  Aiming high Literacy Creativity Numeracy	
Common Misconceptions Homework Assessment this half-term Career opportunities Employment Links	Taken from all keywords identified from HT1-3  Identified in test  B3 section test Biology mock exam  LIFE SKILLS: Organisation and preparation EMPLOYMENT: Nurse, physiotherapist, research scientist  Aiming high Creativity Leadership Independence	Equations practice In class 6 mark questions  LIFE SKILLS: Understanding how metals react EMPLOYMENT: https://edu.rsc.org/job-profiles/senior-analytical-systems-technician/4010828.article  Aiming high Literacy Creativity Numeracy Leadership Independence	Alkali, hydroxide, oxide  →Rather than =  In class 6 mark questions  LIFE SKILLS: Understanding how to interpret equations EMPLOYMENT: https://edu.rsc.org/job-profiles/consumer-products-technician/4010850.article  Aiming high Creativity Literacy Creativity Leadership Independence	Refractive index, incident, reflected ray, refracted ray, total internal reflection, normal, angle of reflection, angle of incidence, critical angle  Reflection and refraction questions  In class 6 mark questions  LIFE SKILLS: Understanding of how light travels, how we see and how fibre optic cables work EMPLOYMENT: Lighting Engineer, Fibre Optic Cable Engineer, Seismic Geophysicist, Seismologist  Aiming high Creativity Numeracy Leadership Independence	
Common Misconceptions Homework Assessment this half-term Career opportunities Employment Links	Taken from all keywords identified from HT1-3  Identified in test  B3 section test Biology mock exam  LIFE SKILLS: Organisation and preparation EMPLOYMENT: Nurse, physiotherapist, research scientist  Aiming high Creativity Numeracy Leadership Independence Listening Communication	Equations practice In class 6 mark questions  LIFE SKILLS: Understanding how metals react EMPLOYMENT: https://edu.rsc.org/job-profiles/senior-analytical-systems-technician/4010828.article  Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication	Alkali, hydroxide, oxide  →Rather than =  In class 6 mark questions  LIFE SKILLS: Understanding how to interpret equations EMPLOYMENT: https://edu.rsc.org/job-profiles/consumer-products-technician/4010850.article  Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication	Refractive index, incident, reflected ray, refracted ray, total internal reflection, normal, angle of reflection, angle of incidence, critical angle  Reflection and refraction questions  In class 6 mark questions  LIFE SKILLS: Understanding of how light travels, how we see and how fibre optic cables work EMPLOYMENT: Lighting Engineer, Fibre Optic Cable Engineer, Seismic Geophysicist, Seismologist  Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication	
Common Misconceptions Homework Assessment this half-term Career opportunities Employment Links	Taken from all keywords identified from HT1-3  Identified in test  B3 section test Biology mock exam  LIFE SKILLS: Organisation and preparation EMPLOYMENT: Nurse, physiotherapist, research scientist  Aiming high Creativity Numeracy Leadership Literacy Creativity Numeracy Leadership Literacy Communication Presenting Teamwork	Equations practice In class 6 mark questions  LIFE SKILLS: Understanding how metals react EMPLOYMENT: https://edu.rsc.org/job-profiles/senior-analytical-systems-technician/4010828.article  Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork	Alkali, hydroxide, oxide  →Rather than =  In class 6 mark questions  LIFE SKILLS: Understanding how to interpret equations EMPLOYMENT: https://edu.rsc.org/job-profiles/consumer-products-technician/4010850.article  Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork	Refractive index, incident, reflected ray, refracted ray, total internal reflection, normal, angle of reflection, angle of incidence, critical angle  Reflection and refraction questions In class 6 mark questions  LIFE SKILLS: Understanding of how light travels, how we see and how fibre optic cables work EMPLOYMENT: Lighting Engineer, Fibre Optic Cable Engineer, Seismic Geophysicist, Seismologist  Aiming high Literacy Creativity Numeracy Leadership Independence Listening Presenting  Communication Teamwork	
Common Misconceptions Homework Assessment this half-term Career opportunities Employment Links	Taken from all keywords identified from HT1-3  Identified in test  B3 section test Biology mock exam  LIFE SKILLS: Organisation and preparation EMPLOYMENT: Nurse, physiotherapist, research scientist  Aiming high Creativity Numeracy Leadership Independence Listening Communication	Equations practice In class 6 mark questions  LIFE SKILLS: Understanding how metals react EMPLOYMENT: https://edu.rsc.org/job-profiles/senior-analytical-systems-technician/4010828.article  Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication	Alkali, hydroxide, oxide  →Rather than =  In class 6 mark questions  LIFE SKILLS: Understanding how to interpret equations EMPLOYMENT: https://edu.rsc.org/job-profiles/consumer-products-technician/4010850.article  Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication	Refractive index, incident, reflected ray, refracted ray, total internal reflection, normal, angle of reflection, angle of incidence, critical angle  Reflection and refraction questions  In class 6 mark questions  LIFE SKILLS: Understanding of how light travels, how we see and how fibre optic cables work EMPLOYMENT: Lighting Engineer, Fibre Optic Cable Engineer, Seismic Geophysicist, Seismologist  Aiming high Literacy Creativity Leadership Independence Listening  Communication	

Employability Skills									
Cycle 23   Process   Cycle		CLP		DHN		CRE		SMS	
symbol and equations:  Any Works		symbols and equation	ons	Lesson 1: Reaction o	f metals - displacement	Lesson 1: Section review			
Second		symbols and equation Lesson 3: Waves – U	ons se of command words, prefixes, units,						
Misconeptions Receive communication and physics equations contributed: Receive communication Receive communica	Level 2					Identify, describe,	explain, explore, compare, evaluate		
Assessment this half by facts or most questions  In class		=	ty symbols and symbols and units in			Identified through	questioning		
Temployability Sills  Creater opportunities Engloyment Links Control (1997) Annual part of the control of the c	Homework	Review command w	ords and physics equations worksheet			Revision for sectio	n		
Employment Links   Children, comprise year at stress   Child (West) Project (West) (W		In class 6 mark quest	tions	In class 6 mark ques	tions	In class 6 mark que	estions	In class 6 mark ques	tions
Ighting of a house), Ightinuse design for shipping/mayed the shippin	= =	_	<del>-</del>						
Contrivity Numeracy Leadership Independence Internation Internatio		lighting of a house),	lighthouse design for	analytical-systems-t	echnician/4010828.article	products-technicia	<u>n/4010850.article</u>	lighting of a house),	lighthouse design for
Leadership   Independence   Ladership   Independence   Ladership   Listening   Communication   Presenting   Earnwork   Problem solving   Staying positive   Problem solving   Staying positiv	Employability Skills	Aiming high	<u>Literacy</u>		· · · · · · · · · · · · · · · · · · ·		The state of the s	Aiming high	<mark>Literacy</mark>
Listening Communication Presenting Tearmwork Problem solving Staying positive Problem solving Stayi		•		•	•	•		•	
Presenting Teamwork Presenting Teamwork Presenting Teamwork Problem solving Staying positive Proble		·		<u> </u>	•	· ·	· · · · · · · · · · · · · · · · · · ·		-
Problem solving   Staving positive   Problem solving   Staving positive   Problem solving   Staving positive   Problem solving   Staving positive		_				_			
TI & IT2: Appropriate websites and research for homework  CIP  CIP  CRE  SMS  Week 23  (Iv/V 27th Feb. 1 Esson 1: Physics unit revision Lesson 2: Physics unit revision Lesson 2: Physics unit revision Lesson 3: Physics unit		=						_	
CE  Veek 23 (w/b 27º Feb) Lesson 1: Physics unit revision Lesson 2: Physics unit revision Lesson 2: Physics unit revision Lesson 3: Physics unit revision Lesson 4: Physics unit revision Lesson 3: Physics unit revision Lesson 4: Physics unit revision Lesson 5: Physics unit revision Lesson 6: Physics unit revision Lesson 6: Physics unit revision Lesson 1: Physics unit revision Less	IT Skills	•		1	StayB positive			1.100.0	3.0.78 p. 30
Week 23   Use 23   Lesson 1: Physics unit revision   Lesson 1: Reactions of metals - displacement   Lesson 1: Section review   Lesson 1: Waves #22   Lectromagnetic waves and inverse square law for in Lesson 3: Physics unit revision   Lesson 1: Waves #22   Lectromagnetic waves and inverse square law for in Lesson 3: Physics unit revision   Lesson 1: Physics unit revision   Les									
Lesson 1: Physics unit revision   Lesson 1: Physics unit revision   Lesson 1: Reactions of metals - displacement   Lesson 1: Section review   Lesson 1: Waves #22   Lectromagnetic waves and inverse square law for in Lesson 3: Physics unit revision   Lesson 3: Physics unit revision   Lesson 3: Physics unit revision   Lesson 1: Physics unit revision   Lesson 3: Physics unit revision   Lesson 1: Waves #22   Lectromagnetic waves and inverse square law for in Lesson 3: Physics unit revision   Lesson 1: Waves #23   Lectromagnetic waves and inverse square law for in Lesson 3: Physics unit revision   Lesson 1: Waves #23   Lectromagnetic waves and inverse square law for in Lesson 3: Physics unit revision   Lesson 1: Waves #23   Lectromagnetic waves and inverse square law for in Lesson 3: Physics unit revision   Lesson 1: Waves #23   Lectromagnetic waves and inverse square law for in Lesson 3: Physics unit revision   Lesson 1: Waves #23   Lectromagnetic waves and inverse square law for in Lesson 3: Physics unit revision   Lesson 1: Waves #23   Lectromagnetic waves and inverse square law for in Lesson 3: Physics section feel with feeling of a house, light feeling waves and inverse square law for in the home square law for in Lesson 3: Leadership   Leaders									
Lesson 2: Physics unit revision   Lesson 2: Physics were from HT1 — HT3   Debtation, explore, compare, evaluate   Lesson 2: Lesson 2: Lesson 2: Lesson 2: Lesson 2: Lesson 3: Lesson 4: Lesson 4	W 1 22			=	f		<u> </u>		
Identify, describe, explain, explore, compare, evaluate   Subject specific level explain, ex		Lesson 2: Physics un	it revision	Lesson 1: Reactions	or metals - displacement	Lesson 1: Section review			
Identified through questioning   Inverse square practice questions		Identify, describe, ex	kplain, explore, compare, evaluate						
Assessment this half-term  Career opportunities Employment Links  Employment Links  Employability Skills  Aiming high  Literacy  Creativity  Numeracy  Leadership Independence Leadership Independence Listening  Communication Listening  Communication  Presenting  Teamwork  Problem solving  Staying positive  IT Skills  To Alming high  Literacy  Creativity  Numeracy  Leadership Independence Leadership Independence Listening  Communication Presenting  Teamwork  Problem solving  Staying positive  To Skills  To Alming high  Literacy  Creativity  Numeracy  Leadership Independence Leadership Independence Listening  Communication Presenting  Teamwork  Problem solving  Staying positive  To Skills  To Alming high  Literacy  Creativity  Numeracy  Leadership Independence Leadership Independence Listening  Communication Listening  Communication  Presenting  Teamwork  Problem solving  Staying positive  To Skills  To Alming high  Literacy  Creativity  Numeracy  Leadership Independence Leadership Independence Listening  Communication  Listening	Common								
Career opportunities Employment Links EMPLOYMENT: Research scientist  Appropriate light bulb for situation in the home EMPLOYMENT: Research scientist				Revision sheets for i				Inverse square pract	tice questions
Employment Links  EMPLOYMENT: Research scientist  appropriate light bulb for situation in the home EMPLOYMENT: Lighting engineer, electrician (design lighting of a house), lightings of a house), lighting of a house,	term				Mock exams for unit 1 bi				
Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive  IT Skills  CLP  DHN  CCP  CCP  CCP  DHN  CCP  CCP  CCP  CCP  CCP  CCP  CCP  C			=					appropriate light bulb for situation in the home EMPLOYMENT: Lighting engineer, electrician (designing lighting of a house), lighthouse design for	
Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive  IT Skills  CLP  Week 24 (w/b 6 <sup>th</sup> Mar)  Lesson 1: Physics section 1 test Lesson 2: Exemplars Lesson 3: Feedback  Key Words Level 2  Key Words Level 2  Leadership Independence Listening Communication Listening Communication Listening Communication Presenting Teamwork Problem solving Staying positive III & III & III & III &	Employability Skills						· · · · · · · · · · · · · · · · · · ·		
Listening Communication Presenting Teamwork Problem solving Staying positive  IT Skills  CLE  DHN  CRE  CLE  CLP  CLP  CLP  CLP  CLP  CLP  CL		•			· · · · · · · · · · · · · · · · · · ·	•		•	
Presenting Teamwork Problem solving Staying positive  Problem solving Staying positive  ITT Skills  ITT Skills  CLP  DHN  CRE  Lesson 1: Physics section 1 test (w/b 6 <sup>th</sup> Mar) Lesson 2: Exemplars Lesson 3: Feedback  Key Words Level 2  Sety Words Level 2  Subject specific keywords from HT1 – HT3  Presenting Teamwork Problem solving Staying positive  Problem solving Staying positive  Problem solving Staying positive  Problem solving Staying positive  Presenting Teamwork Presenting Teamwork Problem solving Staying positive  Problem solving Staying positive  Problem solving Staying positive  IT1 & IT2: Appropriate websites and research for homework  Lesson 1: Physics section 1 test Lesson 1: Section review Lesson 1: Section test Lesson 1: Waves #22 Wave intensity, inverse square law, communication Lesson 3: Feedback  Key Words Level 2  Subject specific keywords from HT1 – HT3  Identify, describe, explain, explore, compare, evaluate Subject specific keywords from HT1 – HT3  Intensity, lumens, power, watts, Freznel		·	The state of the s	<u> </u>	•	•	· · · · · · · · · · · · · · · · · · ·		•
Problem solving Staying positive IT1 & IT2: Appropriate websites and research for homework IT1 & IT2: Appropriate websites and research for homework IT1 & IT2: Appropriate websites and research for homework IT1 & IT2: Appropriate websites and research for homework IT1 & IT2: Appropriate websites and research for homework IT1 & IT2: Appropriate websites and research for homework IT1 & IT2: Appropriate websites and research for homework IT1 & IT2: Appropriate websites and research for homework IT1 & IT2: Appropriate websites and research for homework IT1 & IT2: Appropriate websites and research for homework IT1 & IT2: Appropriate websites and research for homework IT1 & IT3: IT2: Appropriate websites and research for homework IT1 & IT2: Appropriate websites and research for homework IT1 & IT2: Appropriate websites and research for homework IT1 & IT3: IT2: Appropriate websites and research for homework IT1 & IT3: IT2: Appropriate websites and research for homework IT1 & IT3: IT2: Appropriate websites and research for homework IT1 & IT2: Appropriate websites and research for homework IT1 & IT3: IT2: Appropriate websites and research for homework IT1 & IT3: IT2: Appropriate websites and research for homework IT1 & IT3: IT2: Appropriate websites and research for homework IT1 & IT3: IT2: Appropriate websites and research for homework IT1 & IT3: IT2: Appropriate websites and research for homework IT1 & IT3: IT2: Appropriate websites and research for homework IT1 & IT3: IT2: Appropriate websites and research for homework IT1 & IT3: IT2: Appropriate websites and research for homework IT1 & IT3: IT2: Appropriate websites and research for homework IT1 & IT3: IT2: Appropriate websites and research for homework IT1 & IT3: IT2: Appropriate websites and research for homework IT1 & IT3: IT2: Appropriate Websites and research for homework IT1 & IT3: IT2: Appropriate		_		_		_			
CLP DHN CRE SMS  Week 24 Lesson 1: Physics section 1 test Lesson 1: Section review Lesson 1: Section test Lesson 2: Exemplars Lesson 3: Feedback  Key Words Level 2 Subject specific keywords from HT1 – HT3  Level 2 Subject specific keywords from HT1 – HT3  Lesson 3: Feedback Subject specific keywords from HT1 – HT3  Lesson 4: CRE SMS  Lesson 1: Section test Lesson 1: Waves #22  Wave intensity, inverse square law, communication length of the sq			Staying positive				Staying positive		
Week 24 (w/b 6th Mar)Lesson 1: Physics section 1 testLesson 1: Section reviewLesson 1: Section testLesson 1: Waves #22 Wave intensity, inverse square law, communication Lesson 3: FeedbackKey Words 	IT Skills			IT1 & IT2: Appropria	te websites and research for homework			IT1 & IT2: Appropria	te websites and research for homework
(w/b 6th Mar)Lesson 2: Exemplars Lesson 3: FeedbackWave intensity, inverse square law, communicationKey WordsIdentify, describe, explain, explore, compare, evaluate Level 2Identify, describe, explain, explore, compare, evaluate Subject specific keywords from HT1 – HT3Identify, describe, explain, explore, compare, evaluate Subject specific keywords from HT1 – HT3Identify, describe, explain, explore, compare, evaluate Subject specific keywords from HT1 – HT3									
Key Words Level 2  Identify, describe, explain, explore, compare, evaluate Subject specific keywords from HT1 – HT3  Identify, describe, explain, explore, compare, evaluate Subject specific keywords from HT1 – HT3  Identify, describe, explain, explore, compare, evaluate Subject specific keywords from HT1 – HT3  Intensity, lumens, power, watts, Freznel		Lesson 2: Exemplars		Lesson 1: Section re	view	Lesson 1: Section t	est		
		Identify, describe, ex							

Common Misconceptions		Fibre optic cables are made of glass						
Homework	Revision sheets for mock  Revision sheets for mock							
Assessment this half-	Revision sheets for mock							
term		logy, chemistry and physics						
Career opportunities Employment Links	LIFE SKILLS: Revision skills, organisation and resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Revision skills, organisation and resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Revision skills, organisation and resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Understanding of how light travels, appropriate light bulb for situation in the home EMPLOYMENT: Lighting engineer, electrician (designing lighting of a house), lighthouse design for shipping/navigation.				
Employability Skills	Aiming high  Creativity  Leadership  Communication  Presenting  Teamwork  Problem solving  Literacy  Numeracy  Listening  Listening  Listening  Staying positive	Aiming high Creativity Numeracy Leadership Independence Communication Presenting Teamwork Problem solving Staying positive	Aiming high Creativity Numeracy Leadership Independence Communication Presenting Teamwork Problem solving Staying positive	Aiming high  Creativity  Leadership  Communication  Presenting  Teamwork  Problem solving  Staying positive				
IT Skills	IT1 & IT2: Appropriate websites and research for homework		IT1 & IT2: Appropriate websites and research for homework					
	CLP	DHN	CRE	SMS				
Week 25 (w/b 13 <sup>th</sup> Mar)	Lesson 1: Physics mock Lesson 2: Exemplars Lesson 3: Feedback	Lesson 1: Section test	Lesson 1: Exemplars	Lesson 1: Waves #22 Wave intensity, inverse square law, communication				
Key Words Level 2 Level 3	Identify, describe, explain, explore, compare, evaluate Subject specific keywords from HT1 – HT3	Identify, describe, explain, explore, compare, evaluate Subject specific keywords from HT1 – HT3	Identify, describe, explain, explore, compare, evaluate Subject specific keywords from HT1 – HT3	Identify, describe, explain, explore, compare, evaluate Intensity, lumens, power, watts, Freznel				
Common Misconceptions		Identified from assessment		Fibre optic cables are made of glass				
Homework		Revision sheets for mock		Revision sheets for mock				
Assessment this half-			logy, chemistry and physics	The state of the s				
term								
Career opportunities Employment Links	LIFE SKILLS: Revision skills, organisation and resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Revision skills, organisation and resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Revision skills, organisation and resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Understanding of how light travels, appropriate light bulb for situation in the home EMPLOYMENT: Lighting engineer, electrician (designing lighting of a house), lighthouse design for shipping/navigation.				
Employability Skills	Aiming high Creativity Numeracy Leadership Listening Presenting Problem solving Listeracy Numeracy Communication Communication Teamwork Problem solving Staying positive	Aiming high Creativity Numeracy Leadership Listening Presenting Teamwork Problem solving  Literacy Numeracy Independence Communication Teamwork Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving  Literacy Numeracy Independence Communication Teamwork Staying positive	Aiming high  Creativity  Leadership  Literacy  Leadership  Independence  Listening  Communication  Presenting  Teamwork  Problem solving  Staying positive				
IT Skills	3,7,8,7,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	IT1 & IT2: Appropriate websites and research for homework	, 0,	IT1 & IT2: Appropriate websites and research for homework				
	CLP	DHN	CRE	SMS				
Week 26 (w/b 20 <sup>th</sup> Mar)		WORK EX	PERIENCE					
	CLP	DHN	CRE	SMS				
Week 27 (w/b 27 <sup>th</sup> Mar)	Lesson 1: Mock exam Biology Lesson 2: Biology exemplars Lesson 3: Physics exemplars	Lesson 1: Chemistry mock	Lesson 1: Chemistry exemplar	Lesson 1: Physics mock				
Key Words Level 2 Level 3	Identify, describe, explain, explore, compare, evaluate Subject specific keywords from HT1 – HT3	Identify, describe, explain, explore, compare, evaluate Subject specific keywords from HT1 – HT3	Identify, describe, explain, explore, compare, evaluate Subject specific keywords from HT1 – HT3	Identify, describe, explain, explore, compare, evaluate Subject specific keywords from HT1 – HT3				
Common		Identified fro	m assessment					
Misconceptions	Revision for Unit 1 exam  Revision for Unit 1 exam							

Assessment this half- term				Mock exams for unit 1 biol	ogy, chemistry and p	physics		
Career opportunities Employment Links	LIFE SKILLS: Revision EMPLOYMENT: Rese	skills, organisation and resilience earch scientist	LIFE SKILLS: Revisio EMPLOYMENT: Res	n skills, organisation and resilience search scientist	LIFE SKILLS: Revision EMPLOYMENT: Res	on skills, organisation and resilience search scientist	LIFE SKILLS: Revisio EMPLOYMENT: Res	n skills, organisation and resilience earch scientist
Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving	Literacy Numeracy Independence Communication Teamwork Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving	Literacy Numeracy Independence Communication Teamwork Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving	Literacy Numeracy Independence Communication Teamwork Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving	Literacy Numeracy Independence Communication Teamwork Staying positive
IT Skills		te websites and research for homework		/	0	iate websites and research for homework		
	CLD		DUN		CDE		CNAC	
Week 28 (w/b 17 <sup>th</sup> Apr)	chromatographic s Lesson 2: Unit 2: A chromatography	ssignment C: Polarity and size in separations ssignment C: Felt tip pen ssignment C: Demo – extraction of		Assignment A: Assignment out – one e does colorimetry, as per personal		Assignment A: Assignment out – one ne does colorimetry, as per personal	Lesson 1: Unit 2: curve data using	Assignment B: Collection of cooling a given method
Key Words Level 2 Level 3	Identify, describe,	explain, explore, compare, evaluate obile, stationary, polarity, chlorophyll		, explain, explore, compare, evaluate , pipette, concentration, moles per dm bration curve	<sup>3</sup> , accuracy, precisi	ion, concordant, absorbance,		, explain, explore, compare, , molten, accuracy, calibration
Common Misconceptions	What polarity mea	ins	As per misconceptions in titration work, Pupils need to be careful when performing standard solution dilutions; it's quite easy to get confused and end up diluting the wrong thing			Correctly plotting graphs with accuracy and precision		
Homework	Write up practical	work	C/W research and	d write up			Cooling curve questions	
Assessment this half-term	Practical write up: Practical write up: Practical write up:	plant pigment paper	U2 LAA: Write up draft due 26 <sup>th</sup> May				Practical write up	: Cooling curves
Career opportunities Employment Links		anding how to separate substances nical engineer, food standards operative		rstanding how to analytically evaluate ttps://edu.rsc.org/job-profiles/sports-s		•	LIFE SKILLS: Unde graphs EMPLOYMENT: E	rstanding how to plot and interpret
Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving	Literacy Numeracy Independence Communication Teamwork Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving	Creativity Numeracy Leadership Independence Listening Communication		Aiming high Creativity Leadership Listening Presenting Problem solving	Literacy Numeracy Independence Communication Teamwork Staying positive	
IT Skills	· · · · · · · · · · · · · · · · · · ·	out in the second		Staying positive IT1 & IT2: Research for practica	l work and homew	ork activities		
Week 29 (w/b 24 <sup>th</sup> Apr)	different polar solv Lesson 2: Unit 2: A different polar solv	ssignment C: Practical – Using vents to extract pigment ssignment C: Practical – Using vents to extract pigment ssignment C: Practical – Using TLC to	DHN CRE Lesson 1: Unit 2: Assignment A: Practical Lesso			Assignment A: Practical	SMS Lesson 1: Unit 2: Assignment B: Plotting and interpreting cooling curves	
Key Words Level 2 Level 3	Identify, describe,	explain, explore, compare, evaluate obile, stationary, polarity, chlorophyll		, explain, explore, compare, evaluate , pipette, concentration, moles per dm bration curve	<sup>3</sup> , accuracy, precisi	ion, concordant, absorbance,	• •	, explain, explore, compare, , molten, accuracy, calibration
Common Misconceptions	What polarity mea	ns	As per misconcep	tions in titration work, careful when performing standard sol	ution dilutions; it's	quite easy to get confused and end up	Correctly plotting	graphs with accuracy and precision
Homework	Write up practical	work	C/W research and				Graph work	

Assessment this half-term	Practical write up: plant pigment TLC Practical write up: plant pigment paper Practical write up: amino acids	U2 LAA: Write u	p draft due 26 <sup>th</sup> May		Practical write up: Cooling curves
Career opportunities Employment Links	LIFE SKILLS: Understanding how to separate su EMPLOYMENT: Chemical engineer, food standa		erstanding how to analytically evalua https://edu.rsc.org/job-profiles/sport	te and calibrate equipment ts-scientist-british-olympic-association/4010823.article	LIFE SKILLS: Understanding how to plot and interpret graphs EMPLOYMENT: Engineer
' '					
Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving  Literacy Numeracy Independence Communication Teamwork Problem solving  Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving	Literacy Numeracy Independence Communication Teamwork Staying positive		Aiming high Creativity Numeracy Leadership Listening Presenting Teamwork Problem solving  Literacy Numeracy Literacy Communication Teamwork Staying positive
IT Skills			IT1 & IT2: Research for pract	ical work and homework activities	
	CLP	DHN		CRE	SMS
Week 30 (w/b Tues 2 <sup>nd</sup> May)	Lesson 1: Unit 2: Assignment C: Practical – chromatography to extract pigment Lesson 2: Unit 2: Assignment C: Analysis of chromatograms Lesson 3: Unit 2: Assignment C: Discussion acids	Using paper Lesson 1: Unit 2:	: Assignment A: Practical	Lesson 1: Unit 2: Assignment A: Practical	Lesson 1: Unit 2: Assignment B: Cooling curves practical
Key Words	Identify, describe, explain, explore, compa	re, evaluate Identify, describ	e, explain, explore, compare, evaluat	e	Identify, describe, explain, explore, compare,
Level 2	Chromatography, mobile, stationary, polarity,	_		dm <sup>3</sup> , accuracy, precision, concordant, absorbance,	evaluate, reliable, molten, accuracy, calibration
Level 3		transmission, ca			Calorimetry
Common	What polarity means	As per misconce	ptions in titration work,		Correctly plotting graphs with accuracy and precision
Misconceptions		Pupils need to b	e careful when performing standard s	solution dilutions; it's quite easy to get confused and end up	
		diluting the wro	ng thing		
Homework	Write up practical work	C/W research ar	nd write up		Graph work
Assessment this	Practical write up: plant pigment TLC	U2 LAA: Write u	p draft due 26 <sup>th</sup> May		Practical write up: Cooling curves
half-term	Practical write up: plant pigment paper Practical write up: amino acids				
Career	LIFE SKILLS: Understanding how to separate su		erstanding how to analytically evalua		LIFE SKILLS: Understanding how to plot and interpret
opportunities	EMPLOYMENT: Chemical engineer, food standa	rds operative EMPLOYMENT: I	https://edu.rsc.org/job-profiles/sport	ts-scientist-british-olympic-association/4010823.article	graphs
Employment Links					EMPLOYMENT: Engineer
Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving  Literacy Numeracy Independence Communication Teamwork Problem solving  Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving	Literacy Numeracy Independence Communication Teamwork Staying positive		Aiming high Creativity Numeracy Leadership Independence Listening Presenting Teamwork Problem solving Staying positive
IT Skills	, 5.	,		ical work and homework activities	, , ,
	CLP	DHN		CRE	SMS
Week 31 (w/b 8 <sup>th</sup> May)	Lesson 1: Unit 2: Assignment C: Practical – and identifying amino acids Lesson 2: Unit 2: Assignment C: Practical – and identifying amino acids Lesson 3: Unit Assignment C: Analysis – Separating and idamino acids	Separating 2:	: Assignment A: Practical	Lesson 1: Unit 2: Assignment A: Practical	Lesson 1: Unit 2: Assignment B: Cooling curves practical
Key Words Level 2 Level 3	Identify, describe, explain, explore, compa Chromatography, mobile, stationary, polarity,	thlorophyll Titration, Burett	Titration, Burette, pipette, concentration, moles per dm <sup>3</sup> , accuracy, precision, concordant, absorbance,		Identify, describe, explain, explore, compare, evaluate, reliable, molten, accuracy, calibration Calorimetry
Common Misconceptions	What polarity means	Pupils need to b			Correctly plotting graphs with accuracy and precision

Homework	Write up practical		C/W research ar	· · · · · · · · · · · · · · · · · · ·		Graph work
Assessment this	Practical write up:	: plant pigment TLC	U2 LAA: Write u	p draft due 26 <sup>th</sup> May		Practical write up: Cooling curves
half-term	Practical write up:	: plant pigment paper				
	Practical write up:					
Career		tanding how to separate substances		erstanding how to analytically evalua		LIFE SKILLS: Understanding how to plot and interpret
opportunities	EMPLOYMENT: Che	mical engineer, food standards operative	EMPLOYMENT:	nttps://edu.rsc.org/job-profiles/sport	s-scientist-british-olympic-association/4010823.article	graphs
<b>Employment Links</b>						EMPLOYMENT: Engineer
<b>Employability Skills</b>	Aiming high	Literacy	Aiming high	Literacy 		Aiming high Literacy
	Creativity	Numeracy	Creativity	Numeracy		Creativity Numeracy
	Leadership Listening	Independence <mark>Communication</mark>	Leadership Listening	Independence Communication		Leadership Independence Listening Communication
	Presenting	Teamwork	Presenting	Teamwork		Presenting Teamwork
	Problem solving	Staying positive	Problem solving	Staying positive		Problem solving Staying positive
IT Skills		, 5,			ical work and homework activities	, , ,
				·		
	CLP		DHN		CRE	SMS
Week 32	Lesson 1: Unit 2: A	Assignment C – Set assignment	Lesson 1: Unit 2	Assignment A: Practical	Lesson 1: Unit 2: Assignment A: Practical	Lesson 1: Unit 2: Assignment B: Comparison of
(w/b 15 <sup>th</sup> May)		Assignment C – Student assignment				thermometers planning
<i>"</i>		Assignment C – Student assignment				
Key Words		explain, explore, compare, evaluate	Identify, describ	e, explain, explore, compare, evaluate		Identify, describe, explain, explore, compare,
Level 2	Chromatography, m	nobile, stationary, polarity, chlorophyll	Titration, Burett	e, pipette, concentration, moles per o	dm <sup>3</sup> , accuracy, precision, concordant, absorbance,	evaluate, reliable, molten, accuracy, calibration
Level 3			transmission, ca			Calorimetry
Common	Identified in assign	nment	As per misconce	ptions in titration work,		Correctly plotting graphs with accuracy and precision
Misconceptions			Pupils need to b	e careful when performing standard s	solution dilutions; it's quite easy to get confused and end up	
			diluting the wro	ng thing		
Homework	Write up c/w		C/W research ar	nd write up		Graph work
Assessment this	Practical write up:	: plant pigment TLC	U2 LAA: Write u	p draft due 26 <sup>th</sup> May		Practical write up: Cooling curves
half-term	Practical write up:	: plant pigment paper				
	Practical write up:	: amino acids				
Career		tanding how to separate substances	LIFE SKILLS: Und	erstanding how to analytically evalua	te and calibrate equipment	LIFE SKILLS: Understanding how to plot and interpret
opportunities	EMPLOYMENT: Che	mical engineer, food standards operative	EMPLOYMENT:	https://edu.rsc.org/job-profiles/sport	s-scientist-british-olympic-association/4010823.article	graphs
Employment Links						EMPLOYMENT: Engineer
Employability Skills	Aiming high Creativity	<mark>Literacy</mark> Numeracy	Aiming high Creativity	<mark>Literacy</mark> Numeracy		Aiming high Creativity Numeracy
	Leadership	Independence	Leadership	Independence		Leadership Independence
	Listening	Communication	Listening	Communication		Listening Communication
	Presenting	Teamwork	Presenting	Teamwork		Presenting Teamwork
	<b>Problem solving</b>	Staying positive	<b>Problem solving</b>	Staying positive		Problem solving Staying positive
IT Skills				IT1 & IT2: Research for practi	ical work and homework activities	
	CLP		DHN		CRE	SMS
Week 33	Lesson 1: Unit 2: A	Assignment C – Student assignment	Lesson 1: Unit 2	Assignment A: Practical	Lesson 1: Unit 2: Assignment A: Practical	Lesson 1: Unit 2: Assignment B: Comparison of
(w/b 22 <sup>nd</sup> May)	Lesson 2: Unit 2: A	Assignment C – Student assignment				thermometers practical
	Lesson 3: Unit 2: A	Assignment C – Student assignment				
Key Words	Identify, describe,	explain, explore, compare, evaluate	Identify, describe, explain, explore, compare, evaluate		Identify, describe, explain, explore, compare,	
Level 2	Chromatography, m	nobile, stationary, polarity, chlorophyll	Titration, Burette, pipette, concentration, moles per dm³, accuracy, precision, concordant, absorbance,		evaluate, reliable, molten, accuracy, calibration	
Level 3			transmission, calibration curve		Calorimetry	
Common	Identified in assign	nment		ptions in titration work,		Correctly plotting graphs with accuracy and precision
Misconceptions			Pupils need to b	e careful when performing standard s	solution dilutions; it's quite easy to get confused and end up	
			diluting the wrong thing			
Homework	Write up c/w		C/W research and write up			Graph work
Assessment this	Practical write up:	: plant pigment TLC	U2 LAA: Write u	p draft due 26 <sup>th</sup> May		Practical write up: Cooling curves
half-term	Practical write up:	: plant pigment paper				
	Practical write up:	: amino acids				
-			•			•

			I		L III .		
Career		tanding how to separate substances		erstanding how to analytically evaluate			erstanding how to plot and interpret
opportunities	EMPLOYMENT: Che	mical engineer, food standards operative	EMPLOYMENT:	https://edu.rsc.org/job-profiles/sports-	scientist-british-olympic-association/4010823.article	graphs	
<b>Employment Links</b>						EMPLOYMENT:	Engineer
							_
<b>Employability Skills</b>	Aiming high	Literacy	Aiming high	Literacy		Aiming high	Literacy
	Creativity	Numeracy	Creativity	Numeracy		Creativity	Numeracy
	Leadership	Independence	Leadership	Independence		Leadership	Independence
	Listening	Communication Communication	Listening	Communication		Listening	Communication Communication
	Presenting	Teamwork	Presenting	Teamwork		Presenting	Teamwork
	Problem solving	Staying positive	Problem solving	Staying positive		Problem solving	Staying positive
IT Skills		, 3.			al work and homework activities		,
	CLP		DHN		CRE	SMS	
Week 34	Lesson 1: Unit 2: A	Assignment C – Student assignment	Lesson 1: Unit 2:	Assignment A – Set assignment (one	Lesson 1: Unit 2: Assignment A – Set assignment (one	Lesson 1: Unit 2	Assignment B – Set assignment
(w/b 5 <sup>th</sup> Jun)		Assignment C – Student assignment		ne does colorimetry, as per personal	does titration, one does colorimetry, as per personal		7 1861.B
(w/b/5 Juli)		Assignment C – Student assignment	preference)	ic does colorifically, as per personal	preference)		
Vo. Morde					preference	I al a matific al a a mila	
Key Words		explain, explore, compare, evaluate		e, explain, explore, compare, evaluate	.3	7.	e, explain, explore, compare,
Level 2	Chromatography, m	nobile, stationary, polarity, chlorophyll			n <sup>3</sup> , accuracy, precision, concordant, absorbance,		e, molten, accuracy, calibration
Level 3			transmission, ca			Calorimetry	
Common	Identified in assign	nment	As per misconce	ptions in titration work,		Identified in assi	gnment
Misconceptions			Pupils need to be	e careful when performing standard so	lution dilutions; it's quite easy to get confused and end up		
			diluting the wro	ng thing			
Homework	Write up c/w		C/W research ar	d write up		Write up c/w	
Assessment this	U2 LAC: First draft	t due 16 <sup>th</sup> June	U2 LAA: Write u	o draft due 17 <sup>th</sup> July		U2 LAB: Write u	o draft due 14 <sup>th</sup> July
half-term	U2 LAC: Final dead	dline 30 <sup>th</sup> June	·	•			,
Career		tanding how to separate substances	LIFE SKILLS: Understanding how to analytically evaluate and calibrate equipment		LIFE SKILLS: Und	erstanding how to plot and interpret	
opportunities		mical engineer, food standards operative		• • •	scientist-british-olympic-association/4010823.article	graphs	erstanding new to prot and interpret
Employment Links			LIVIT LOTIVILIVI.	ittps://edd.isc.org/job-promes/sports-	scientist-birtisii-orympic-association/4010023.article	EMPLOYMENT:	Engineer
Employment Links						LIVII LOTIVILIVI	ingineer
<b>Employability Skills</b>	Aiming high	Literacy	Aiming high	Literacy		Aiming high	Literacy
	Creativity	Numeracy	Creativity	Numeracy		Creativity	Numeracy
	Leadership	Independence	Leadership	Independence		Leadership	Independence
	Listening	<b>Communication</b>	Listening	Communication		Listening	Communication
	Presenting	Teamwork	Presenting	Teamwork		Presenting	Teamwork
	Problem solving	Staying positive	Problem solving	Staying positive		Problem solving	Staying positive
IT Skills					al work and homework activities		
				·			
	CLP		DHN		CRE	SMS	
Week 35		Assignment C – Student assignment	Lesson 1: Unit 2:	Assignment A – Student assignment	Lesson 1: Unit 2: Assignment A – Student assignment		Assignment B – Student assignment
(w/b 12 <sup>th</sup> Jun)		Assignment C – Student assignment	(Titration/colori		(Titration/colorimetry)	202211 21 21110 2	
(10) 5 12 5011)		Assignment C – Student assignment		nedy	(Thrution, colorimetry)		
Key Words		explain, explore, compare, evaluate	Identify describ	e, explain, explore, compare, evaluate		Identify describ	e, explain, explore, compare,
Level 2		nobile, stationary, polarity, chlorophyll			n <sup>3</sup> , accuracy, precision, concordant, absorbance,		e, molten, accuracy, calibration
	Cilioniatography, in	iobile, stationary, polarity, emorophyn		the state of the s	i, accuracy, precision, concordant, absorbance,		e, molten, accuracy, cambration
Level 3	11.00		transmission, calibration curve		Calorimetry		
Common	Identified in assignment  As per misconceptions in titration work,  Durille pend to be a special when a referencie a standard solution dilutions it's puits and			Identified in assi	gnment		
Misconceptions		Pupils need to be careful when performing standard solution dilutions; it's quite easy to get confused and end up					
			diluting the wro				
Homework	Write up c/w		C/W research an	•		Write up c/w	
Assessment this	U2 LAC: First draft due 16 <sup>th</sup> June  U2 LAA: Write up draft due 17 <sup>th</sup> July			U2 LAB: Write u	o draft due 14 <sup>th</sup> July		
half-term	U2 LAC: Final deadline 30 <sup>th</sup> June						
Career	LIFE SKILLS: Underst	tanding how to separate substances	LIFE SKILLS: Und	erstanding how to analytically evaluate	and calibrate equipment	LIFE SKILLS: Und	erstanding how to plot and interpret
opportunities	EMPLOYMENT: Che	mical engineer, food standards operative		• • •	scientist-british-olympic-association/4010823.article	graphs	
Employment Links					· · · · · · · · · · · · · · · · · · ·	EMPLOYMENT:	Engineer
,							J
L	1		l			1	

Employability Skills	Aiming high Creativity Leadership	<mark>Literacy</mark> Numeracy Independence	Aiming high Creativity Leadership	<mark>Literacy</mark> Numeracy Independence		Aiming high Creativity Leadership	<mark>Literacy</mark> Numeracy Independence
	Listening Presenting	Communication Teamwork	Listening Presenting	Communication Teamwork		Listening Presenting	Communication Teamwork
	Problem solving	Staying positive	Problem solving	Staying positive		Problem solving	Staying positive
IT Skills				IT1 & IT2: Research for practical	al work and homework activities		, ,
	CLP		DHN		CRE	SMS	
Week 36 (w/b 19 <sup>th</sup> Jun)	Lesson 2: Unit 2: A	Assignment C – Improvements Assignment C – Improvements Assignment C – Improvements	Lesson 1: Unit 2: (Titration/colorir	Assignment A – Student assignment metry)	Lesson 1: Unit 2: Assignment B – Student assignment	Lesson 1: Unit 2:	Assignment B – Student assignment
Key Words Level 2 Level 3	Identify, describe,	explain, explore, compare, evaluate obile, stationary, polarity, chlorophyll			n <sup>3</sup> , accuracy, precision, concordant, absorbance,	2 1	e, explain, explore, compare, e, molten, accuracy, calibration
Common Misconceptions	Identified in assign	nment		•	lution dilutions; it's quite easy to get confused and end up	Identified in assi	gnment
Homework	Write up c/w		C/W research an			Write up c/w	
Assessment this half-term	U2 LAC: First draft U2 LAC: Final dead		U2 LAA: Write up	o draft due 17 <sup>th</sup> July		U2 LAB: Write up	o draft due 14 <sup>th</sup> July
Career opportunities Employment Links		anding how to separate substances mical engineer, food standards operative		LIFE SKILLS: Understanding how to analytically evaluate and calibrate equipment EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/sports-scientist-british-olympic-association/4010823.article">https://edu.rsc.org/job-profiles/sports-scientist-british-olympic-association/4010823.article</a>		LIFE SKILLS: Understanding how to plot and interpret graphs EMPLOYMENT: Engineer	
Employability Skills	Creativity Leadership Listening Presenting	Literacy Numeracy Independence Communication Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving	Literacy Numeracy Independence Communication Teamwork		Aiming high Creativity Leadership Listening Presenting Problem solving	Literacy Numeracy Independence Communication Teamwork
IT Skills	Problem solving	Staying positive	Problem Solving	Staying positive	al work and homework activities	Problem solving	Staying positive
11 JKIIIS				111 & 112. Nesearch for practica	work and nomework activities		
	CLP		DHN		CRE	SMS	
Week 37 (w/b 26 <sup>th</sup> Jun)	Lesson 1: Unit 2: A Lesson 2: Unit 2: A	Assignment C – Improvements Assignment C – Improvements Assignment C – Improvements		Assignment A – Student assignment metry)	Lesson 1: Unit 2: Assignment A – Student assignment (Titration/colorimetry)		Assignment B – Student assignment
Key Words		explain, explore, compare, evaluate	Identify, describe	e, explain, explore, compare, evaluate		Identify, describe	e, explain, explore, compare,
Level 2 Level 3		obile, stationary, polarity, chlorophyll		e, pipette, concentration, moles per dm	n <sup>3</sup> , accuracy, precision, concordant, absorbance,	• •	e, molten, accuracy, calibration
Common Misconceptions	Identified in assign	nment			lution dilutions; it's quite easy to get confused and end up	Identified in assi	gnment
Homework	Write up c/w		C/W research an	d write up		Write up c/w	
Assessment this half-term	U2 LAC: First draft U2 LAC: Final dead	lline 30 <sup>th</sup> June	U2 LAA: Write up	o draft due 17 <sup>th</sup> July		U2 LAB: Write up	o draft due 14 <sup>th</sup> July
Career opportunities Employment Links		anding how to separate substances mical engineer, food standards operative	LIFE SKILLS: Understanding how to analytically evaluate and calibrate equipment EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/sports-scientist-british-olympic-association/4010823.article">https://edu.rsc.org/job-profiles/sports-scientist-british-olympic-association/4010823.article</a>		LIFE SKILLS: Undographs EMPLOYMENT: E	erstanding how to plot and interpret	
Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving	Literacy Numeracy Independence Communication Teamwork Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving	Literacy Numeracy Independence Communication Teamwork Staying positive		Aiming high Creativity Leadership Listening Presenting Problem solving	Literacy Numeracy Independence Communication Teamwork Staying positive
IT Skills	- Toblem Solving	Staying positive	. Toblem solving		al work and homework activities	i robiem solving	contrib positive
				= S Practice	The state of the s		

	CLP	DHN	CRE	SMS
Week 38	Lesson 1: Unit 2: Assignment D – Go through outline of	Lesson 1: Unit 2: Assignment A – Student assignment	Lesson 1: Unit 2: Assignment A – Student assignment	Lesson 1: Unit 2: Assignment B – Student assignment
(w/b 3 <sup>rd</sup> July)	assignment	(Titration/colorimetry)	(Titration/colorimetry)	
	Lesson 2: Unit 2: Assignment D – Set assignment Lesson 3: Unit 2: Assignment D – Student assignment			
Key Words	Identify, describe, explain, explore, compare, evaluate	Identify, describe, explain, explore, compare, evaluate		Identify, describe, explain, explore, compare,
Level 2	Titration, colorimetry, calorimetry, chromatography	Titration, Burette, pipette, concentration, moles per dn	n <sup>3</sup> , accuracy, precision, concordant, absorbance,	evaluate, reliable, molten, accuracy, calibration
Level 3		transmission, calibration curve		Calorimetry
Common	Identified from interpretation of practical work	As per misconceptions in titration work,	hating dilations its most a contract of a co	Identified in assignment
Misconceptions		diluting the wrong thing	lution dilutions; it's quite easy to get confused and end up	
Homework	C/W write up	C/W research and write up		Write up c/w
Assessment this	U2 LAC: First draft due 16 <sup>th</sup> June	U2 LAA: Write up draft due 17 <sup>th</sup> July		U2 LAB: Write up draft due 14 <sup>th</sup> July
half-term	U2 LAC: Final deadline 30 <sup>th</sup> June			
Career	LIFE SKILLS: Understanding how to evaluate practical	LIFE SKILLS: Understanding how to analytically evaluate	• •	LIFE SKILLS: Understanding how to plot and interpret
opportunities	work	EMPLOYMENT: https://edu.rsc.org/job-profiles/sports-	scientist-british-olympic-association/4010823.article	graphs
Employment Links	EMPLOYMENT: Analytical scientist			EMPLOYMENT: Engineer
<b>Employability Skills</b>	Aiming high Literacy	Aiming high Literacy		Aiming high Literacy
	Creativity Numeracy Leadership Independence	Creativity Numeracy Leadership Independence		Creativity Numeracy Leadership Independence
	Listening Communication	Listening Communication		Listening Communication
	Presenting Teamwork	Presenting Teamwork		Presenting Teamwork
	Problem solving Staying positive	Problem solving Staying positive		Problem solving Staying positive
IT Skills		IT1 & IT2: Research for practical	al work and homework activities	
	CLP	DHN	CRE	SMS
Week 39	Lesson 1: Unit 2: Assignment D – Student assignment	Lesson 1: Unit 2: Assignment A – Student assignment	Lesson 1: Unit 2: Assignment A – Student assignment	Lesson 1: Unit 2: Assignment B – Student assignment
(w/b 10 <sup>th</sup> July)	Lesson 2: Unit 2: Assignment D – Student assignment	(Titration/colorimetry)	(Titration/colorimetry)	
	Lesson 3: Unit 2: Assignment D – Student assignment			
Key Words	Identify, describe, explain, explore, compare, evaluate	Identify, describe, explain, explore, compare, evaluate		Identify, describe, explain, explore, compare,
Level 2	Titration, colorimetry, calorimetry, chromatography	Titration, Burette, pipette, concentration, moles per dn	n³, accuracy, precision, concordant, absorbance,	evaluate, reliable, molten, accuracy, calibration
Level 3 Common	Identified from interpretation of practical work	transmission, calibration curve  As per misconceptions in titration work,		Calorimetry  Identified in assignment
Misconceptions	identified from interpretation of practical work	1 .	lution dilutions; it's quite easy to get confused and end up	identified in assignment
·····ocomocpaions		diluting the wrong thing	action directions, it is quite easy to get commused and end ap	
Homework	C/W write up	C/W research and write up		Write up c/w
Assessment this	U2 LAC: First draft due 16 <sup>th</sup> June	U2 LAA: Write up draft due 17 <sup>th</sup> July		U2 LAB: Write up draft due 14 <sup>th</sup> July
half-term	U2 LAC: Final deadline 30 <sup>th</sup> June			
Career	LIFE SKILLS: Understanding how to evaluate practical	LIFE SKILLS: Understanding how to analytically evaluate EMPLOYMENT: https://edu.rsc.org/job-profiles/sports-	• •	LIFE SKILLS: Understanding how to plot and interpret
opportunities Employment Links	work EMPLOYMENT: Analytical scientist	EMPLOTIVIENT: https://edu.rsc.org/job-profiles/sports-	scientist-british-olympic-association/4010823.article	graphs EMPLOYMENT: Engineer
-mprofinent Links	2 25 THERET Allary tical Scientist			Zim zo iniziti ziigineei
<b>Employability Skills</b>		Aiming high Literacy		Aiming high Literacy
	Creativity Numeracy	Creativity Numeracy		Creativity Numeracy
	Leadership Independence Listening Communication	Leadership Independence Listening Communication		Leadership Independence Listening Communication
	Presenting Teamwork	Presenting Teamwork		Presenting Teamwork
	Problem solving Staying positive	Problem solving Staying positive		Problem solving Staying positive
IT Skills		IT1 & IT2: Research for practical	al work and homework activities	
	CLP	DHN	CRE	SMS
Week 40	Lesson 1: Unit 2: Assignment D – Student assignment	Lesson 1: Unit 2: Assignment A – Student assignment	Lesson 1: X	Lesson 1: X
(w/b 17 <sup>th</sup> July)	Lesson 2: X	(Titration/colorimetry)	LCGSOII 1. A	2033011 1. 7
(3-,	Lesson 3: X	(1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		
Key Words	Identify, describe, explain, explore, compare, evaluate	Identify, describe, explain, explore, compare, evaluate		
		·		

Level 3		Titration, Burette, pipette, concentration, moles per dm <sup>3</sup> , accuracy, precision, concordant, absorbance, transmission, calibration curve		
Common Misconceptions	Identified from interpretation of practical work	As per misconceptions in titration work, Pupils need to be careful when performing standard solution dilutions; it's quite easy to get confused and end up diluting the wrong thing		
Homework	C/W write up	C/W research and write up		
Assessment this	U2 LAC: First draft due 16 <sup>th</sup> June	U2 LAA: Write up draft due 17 <sup>th</sup> July		
half-term	U2 LAC: Final deadline 30 <sup>th</sup> June	, ,		
Career	LIFE SKILLS: Understanding how to evaluate practical	LIFE SKILLS:		
opportunities	work	EMPLOYMENT:		
Employment Links	EMPLOYMENT: Analytical scientist			
Employability Skills	Aiming high Creativity Leadership Communication Presenting Problem solving  Literacy Literacy Listening Listening Listening Listening Listening Listening Listening Listening Staying positive	Aiming high Creativity Numeracy Leadership Independence Communication Presenting Teamwork Problem solving Staying positive		
IT Skills		al work and homework activities		

YEAR 13			
	CLP	DHN	CRE
Week 1 (w/b Wed 7 <sup>th</sup> Sep)	Lesson 1: X Lesson 2: Unit 2: Chromatography coursework	Lesson 1: X Lesson 2: X Lesson 3: Unit 2: Titration and colorimetry coursework Lesson 4: Unit 2: Titration and colorimetry coursework	Lesson 1: ICT session for coursework writeup from CLP/DHN sections
Key Words Level 2 Level 3	Identify, describe, explain Solvent, solute, solution, retention factor, polar molecule, TLC, photosynthetic, amino acid	Identify, describe, explain  Titration, burette, pipette, concentration, moles per dm³, accuracy, precision, concordant, absorbance, transmission, calibration curve	Linked directly to practical work from CLP/DHN
Common Misconceptions	Confusing the Rf calculation	Difference between accuracy and precision	Identified from the practical work
Homework			
Assessment this half- term		Unit 2 final write up	
Career opportunities Employment Links	LIFE SKILLS: Understanding how to evaluate practical work and make improvements EMPLOYMENT: Research scientist	LIFE SKILLS: Understanding how to evaluate practical work and make improvements  EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/teaching-technical-specialist/4014559.article">https://edu.rsc.org/job-profiles/teaching-technical-specialist/4014559.article</a>	LIFE SKILLS: Understanding how to write reports EMPLOYMENT: Project manager, research scientist
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
IT Skills		IT1 & IT2: Appropriate websites and research for coursework write up	
	CLP	DHN	CRE
Week 2 (w/b 12 <sup>th</sup> Sep)	Lesson 1: Unit 2: Chromatography coursework Lesson 2: Unit 2: Chromatography coursework	Lesson 1: Unit 2: Titration and colorimetry coursework Lesson 2: Unit 2: Titration and colorimetry coursework Lesson 3: Unit 2: Titration and colorimetry coursework Lesson 4: Unit 2: Titration and colorimetry coursework	Lesson 1: ICT session for coursework writeup from CLP/DHN sections
Key Words Level 2 Level 3	Identify, describe, explain Solvent, solute, solution, retention factor, polar molecule, TLC, photosynthetic, amino acid	Identify, describe, explain  Titration, burette, pipette, concentration, moles per dm³, accuracy, precision, concordant, absorbance, transmission, calibration curve	Linked directly to practical work from CLP/DHN
Common Misconceptions	Confusing the Rf calculation	Difference between accuracy and precision	Identified from the practical work

Homework		Practical research and write up	
Assessment this half-		Unit 2 final write up	
Career opportunities Employment Links	LIFE SKILLS: Understanding how to evaluate practical work and make improvements EMPLOYMENT: Research scientist	LIFE SKILLS: Understanding how to evaluate practical work and make improvements  EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/teaching-technical-specialist/4014559.article">https://edu.rsc.org/job-profiles/teaching-technical-specialist/4014559.article</a>	LIFE SKILLS: Understanding how to write reports EMPLOYMENT: Project manager, research scientist
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Leadership Independence Presenting Problem solving Staying positive  Creativity Listening Communication Com
IT Skills		IT1 & IT2: Appropriate websites and research for coursework write up	-
Week 3 (w/b 19 <sup>th</sup> Sep)	CLP Lesson 1: Unit 2: Chromatography coursework Lesson 2: Unit 2: Chromatography coursework	DHN  Lesson 1: Unit 2: Titration and colorimetry coursework  Lesson 2: Unit 2: Titration and colorimetry coursework  Lesson 3: Unit 2: Titration and colorimetry coursework	CRE Lesson 1: ICT session for coursework writeup from CLP/DHN sections
Key Words  Level 2  Level 3	Identify, describe, explain Solvent, solute, solution, retention factor, polar molecule, TLC, photosynthetic, amino acid	Lesson 4: Unit 2: Titration and colorimetry coursework  Identify, describe, explain  Titration, burette, pipette, concentration, moles per dm³, accuracy, precision, concordant, absorbance, transmission, calibration curve	Linked directly to practical work from CLP/DHN
Common Misconceptions	Confusing the Rf calculation	Difference between accuracy and precision	Identified from the practical work
Homework		Practical research and write up	
Assessment this half- term		Unit 2 final write up	
Career opportunities Employment Links	LIFE SKILLS: Understanding how to evaluate practical work and make improvements EMPLOYMENT: Research scientist	LIFE SKILLS: Understanding how to evaluate practical work and make improvements  EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/teaching-technical-specialist/4014559.article">https://edu.rsc.org/job-profiles/teaching-technical-specialist/4014559.article</a>	LIFE SKILLS: Understanding how to write reports EMPLOYMENT: Project manager, research scientist
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Leadership Independence Presenting Teamwork Problem solving Staying positive
IT Skills		IT1 & IT2: Appropriate websites and research for coursework write up	
Week 4 (w/b 26 <sup>th</sup> Sep)	CLP Lesson 1: Unit 2: Chromatography coursework Lesson 2: Unit 2: Chromatography coursework	DHN  Lesson 1: Unit 2: Titration and colorimetry coursework  Lesson 2: Unit 2: Titration and colorimetry coursework  Lesson 3: Unit 2: Titration and colorimetry coursework  Lesson 4: Unit 2: Titration and colorimetry coursework	CRE Lesson 1: ICT session for coursework writeup from CLP/DHN sections
Key Words Level 2 Level 3	Identify, describe, explain Solvent, solute, solution, retention factor, polar molecule, TLC, photosynthetic, amino acid	Identify, describe, explain  Titration, burette, pipette, concentration, moles per dm³, accuracy, precision, concordant, absorbance, transmission, calibration curve	Linked directly to practical work from CLP/DHN
Common Misconceptions	Confusing the Rf calculation	Difference between accuracy and precision	Identified from the practical work
Homework		Practical research and write up	
Assessment this half- term		Unit 2 final write up	
Career opportunities Employment Links	LIFE SKILLS: Understanding how to evaluate practical work and make improvements EMPLOYMENT: Research scientist	LIFE SKILLS: Understanding how to evaluate practical work and make improvements  EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/teaching-technical-specialist/4014559.article">https://edu.rsc.org/job-profiles/teaching-technical-specialist/4014559.article</a>	LIFE SKILLS: Understanding how to write reports EMPLOYMENT: Project manager, research scientist
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork	Aiming high Literacy Leadership Independence Presenting Teamwork  Literacy Listening Communication Communication
	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive

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Security   1907   190	Ley Words Good Common C		CLP	DHN	CRE
Common	Loan 2 Loan 2 Loan 2 Loan 3 Loan 3 Loan 3 Loan 3 Loan 3 Loan 4 Lo				Lesson 1: ICT session for coursework writeup from CLP/DHN sections
New York   Section   Common   Management   Section   Management   Ma	New York   Service of the product was action and the Command   Service of the product was action and the Command   Service of the product was action and t	(w/b 3 <sup>rd</sup> Oct)	Lesson 2: Unit 2: Section D		
Service of the control of the contro	Exercised   Common			Lesson 3: Unit 2: Section D	
According from the protects work  Misconegoes  Information  Misconegoes  Information  Misconegoes  Information  Misconegoes  Misconegoe	Bertille from the practical work			Lesson 4: Unit 2: Section D	
Second Common   Second Commo	Monitoria from the practical work   Monitoria from the practical	Key Words	Identify, describe, explain, evaluate, risk assessment	Identify, describe, explain, evaluate, risk assessment	Linked directly to practical work from CLP/DHN
Common   C	Common   Microscreptions   Common   Microscreptions   Microscrep	Level 2			
Missenerophisms   Missenerop	Procession   Pro	Level 3			
Missenerophisms   Missenerop	Macromorphisms   Procession		Identified from the practical work	Identified from the practical work	Identified from the practical work
Accounted this   Acco	Assessment this lab.  Lend Assessment this lab.				
Assemble No.   Properties   P	Assessment this halfs Carren opportunities Employability Stills Carren opportunities Employability Stills Aming high Indianatoric Liberting Carrentory Indianatoric Indianatoric Liberting Carrentory Indianatoric L	•		Practical research and write up	<u> </u>
The Seal State Sta	Tempore Links Employment Links Employmen			<u> </u>	
Care Implementation   Part State   Care Interpretation   Part State   Care Interpretation   Part State   Care Interpretation   Part State   Care Interpretation   Part State	Limit Stall St. Understanding how to valuate practical work and make improvements in processions and proposed in processions and processions			Unit 2 final write up: First deadline 7 " October	
Complement   Com	Employability Salis   Control of Management   Contro			T.,,	T.,
EMPLOYMENT Research process   Employability \$\$818	EMPLOYMENT Research scientist  Employability Sallis Aming high Users Creativity Leadership Leadership Leadership Presenting Presenti				= -
Semiphysibility   Stills   Arthogological plant   Bases   Creativity   Numeracy   Common contains	Employability Salle Aming high Beracy Creativity Numeracy Leadershy Independence Listening Communication Leadershy Independence Listening Communication Leadershy Independence Listening Communication Control of Co	Employment Links	'·	· ·	EMPLOYMENT: Project manager, research scientist
Indipoyability Stills	Employability Skills  Annung high Lorder's Creativity Flammon, Fla		EMPLOYMENT: Research scientist	· · · · · · · · · · · · · · · · · · ·	
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Leaderinh Procesting Processing P	Leaderhip independence Listening Communication Presenting Teamwork Problem solving Staying positive  To Skills  The Skills Staying positive  The Skills Staying p				
Presenting Teatmonk Projection Looking Stayling positive  Ti Stills  Ti Still	Presenting Teamwork Problem solving Stayling positive Problem solving Stay	<b>Employability Skills</b>	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy
Problem John   Strying positive   Problem John   Strying positive   Problem John   Strying positive	Problem Solving   Staving positive   Problem solving   Staving positive   Problem solving   Staving positive		Leadership Independence Listening Communication	Leadership Independence Listening Communication	Leadership Independence Listening Communication
Problem John   Strying positive   Problem John   Strying positive   Problem John   Strying positive	Problem John   Staying positive   Staying positive   Problem John   Staying positive   Staying positive   Problem John   Staying positive   Staying positive   Staying positive   Staying positive   Staying positive   Problem John   Staying positive   Stay				
## CEP ##	TS ABIS  CEP  CEP  CEP  CEP  CEP  CEP  CESON 1: Improvements to section A  Lesson 1: Improvements to section D  Lesson 1:				
Week 6 (w/h 10 <sup>2</sup> Cot) Lesson 2: Improvements to section C Lesson 2: Improvements to section A Lesson 2: Improvements to section A Lesson 3: Improvements to section D Lesson	View   Current	IT Skills		, 01	
Lesson 1: Improvements to section A   Lesson 1: Improvements to section D   Lesson 1: Improvements to sect	Lesson 1: Improvements to section A   Lesson 1: Improvements to section A   Lesson 1: ICT session for coursework writeup from CLP/DHN sections	TT SKIIIS		Tractize Appropriate websites and research for coursework write up	
Lesson 1: Improvements to section A   Lesson 1: Improvements to section D   Lesson 1: Improvements to sect	Lesson 1: Improvements to section A   Lesson 1: Improvements to section A   Lesson 1: ICT session for coursework writeup from CLP/DHN sections		CLD	DUN	CDE
Lesson 2: Improvements to section A   Lesson 2: Improvements to section A   Lesson 4: Improvements to section B   Lesson 1: Improvements to section C   Lesson 1: Improvements to section D   Lesson 4: Improvements to sect	Lesson 2: Improvements to section A   Lesson 2: Improvements to section A   Lesson 3: Improvements to section A   Lesson 4: Improvements to section B   Leadership Independence Listening Communication Prosenting Teamwork Problem solving Staying positive   Lesson 1: Improvements to section D   Lesson 1: Improvements to section C   Lesson 1: Improvements to section D   Lesson 4: Improvements to section D   Les	144 L C			
Lesson 3: Improvements to section A Lesson 4: Improvements to section A Rey Words General 2 Solvent Substitute Solvent Solvent Substitute Solvent Solvent Substitute Solvent So	Lesson 3: Improvements to section A Lesson 4: Improvements to section A Lesson 1: Improvements to section C Lesson 1: Improvements to section C Lesson 1: Improvements to section C Lesson 2: Improvements to section C Lesson 3: Improvements to section C Lesson 4: Improvements to section C Lesson 5: Improvements to section C Lesson 6: Improvements to sect		·		Lesson 1: ICT session for coursework writeup from CLP/DHN sections
Lesson 1: Improvements to section A   Lesson 1: Improvements to section D   Lesson 1: Improvements to sect	Lesson 1: Improvements to section A	(w/b 10 <sup>th</sup> Oct)	Lesson 2: Improvements to section C		
Rev Words   Service   Solvent a busines audit   Solvent a busines au	Revity describe, explain   Solvent, buttles, solvion, relation factor, polar molecule, TLC, photosynthetic   sevil 3   Solvent, buttles, solvion, relation factor, polar molecule, TLC, photosynthetic   sevil 3   Solvent, buttles, solvion, relation factor, polar molecule, TLC, photosynthetic   sevil 3   Solvent, buttles, solvion, relation factor, polar molecule, TLC, photosynthetic   sevil 3   Solvent, buttles, solvion, relation factor, polar molecule, TLC, photosynthetic   sevil 3   Solvent, absorbance, transmission, calibration curve   Solvent factor from first submission   Identified from first submission   Identified from the practical work   Identified from first submission   Identified from the practical work   Identified from the prac				
Common   Identified from first submission   Identified from the practical work   Identified fro	Solvent, S			Lesson 4: Improvements to section A	
Common   Misconceptions   Misconceptio	Aming high   Literacy   Creativity   Numeracy   Leadership   Independence   Listening   Teamwork   Literacy   Creativity   Numeracy   Leadership   Independence   Listening   Teamwork   To Bills	Key Words	Identify, describe, explain	Identify, describe, explain	Linked directly to practical work from CLP/DHN
Identified from first submission   Identified from the practical work	Identified from first submission   Identified from the practical work   Identified from the practical work   Identified from the practical work	Level 2	Solvent, solute, solution, retention factor, polar molecule, TLC, photosynthetic,	Titration, burette, pipette, concentration, moles per dm <sup>3</sup> , accuracy, precision,	
Identified from first submission   Identified from the practical work	Identified from first submission   Identified from first submission   Identified from the practical work	Level 3	amino acid	concordant, absorbance, transmission, calibration curve	
Homework  Assessment this half-term  Career opportunities Employment Links  Improvements Employment Links  Employability Skills  Alming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive  IT Skills  CIP  Week 7 (Wb 17 <sup>th</sup> Oct)  CIP  Week 7 (Wb 17 <sup>th</sup> Oct)  CIP  CIP  CIP  CIP  CIP  CIP  CIP  CI	Misconceptions   Practical research and write up	Common	Identified from first submission		Identified from the practical work
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Assessment this half-term  Career opportunities Employment Links Employment Links Employability Skills Employabili	Assessment this half- term  Career opportunities Employment Links EMPLOYMENT: Project manager, research scientist EMPLOYMENT: Project manager, research scientist EMPLOYMENT: Project manager, research scientist  EMPLOYMENT: Project manager, research scientist  EMPLOYMENT: Project manager, research scientist  EMPLOYMENT: Project manager, research scientist  EMPLOYMENT: Project manager, research scientist  EMPLOYMENT: Project manager, research scientist  EMPLOYMENT: Project manager, research scientist  EMPLOYMENT: Project manager, research scientist  EMPLOYMENT: Project manager, research scientist  EMPLOYMENT: Project manager, research scientist  EMPLOYMENT: Project manager, research scientist  EMPLOYMENT: Project manager, research scientist  EMPLOYMENT: Project manager, research scientist  EMPLOYMENT: Project manager, research sc	-		Practical research and write un	
Career opportunities Employment Links Employment Links Employment Links Employability Skills Alming high Literacy Leadership Independence Presenting Teamwork Problem solving Staying positive  IT Skills  Lesson 1: Improvements to section C Lesson 2: Improvements to section C Lesson 2: Improvements to section D Lesson 3: Improvements to section D Lesson	Left   Career opportunities   Employment Links	l lionicwork		Tradition research and write up	
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Career opportunities   Employment Links   Employm	Career opportunities   Employment Links   Employment Links   EMPLOYMENT: Research scientist   EMPLOYMENT: Research scientist   EMPLOYMENT: https://edu.rsc.org/job-profiles/teaching-technical-specialist/4014559.article   Employability Skills   Literacy   Creativity   Numeracy   Leadership   Independence   Listening   Communication   Presenting   Teamwork   Problem solving   Staying positive   TT Skills   TT Skills   Teamwork   Problem solving   Staying positive   TT Skills   Teamwork   TT Skills   TEAM   Teamwork   TT Skills   TEAM   Teamwork   TT Skills   TEAM   Teamwork   TT Skills			Offit 2 fillal write up	
Employability Skills Leadership Independence Listening Tearmwork Problem solving Staying positive  DHN  CLP  CLP  CLP  CLP  CLP  CLP  CLP  CL	Employment Links   EMPLOYMENT: Research scientist   EMPLOYMENT: Research scientist   EMPLOYMENT: https://edu.rsc.org/job-profiles/teaching-technical-specialist/A014559-article   EMPLOYMENT: Project manager, research scientist   EMPLOYMENT: Project manager, research scientist   EMPLOYMENT: https://edu.rsc.org/job-profiles/teaching-technical-specialist/A014559-article   EMPLOYMENT: Project manager, research scientist   EMPLOYMENT: https://edu.rsc.org/job-profiles/teaching-technical-specialist/A014559-article   EMPLOYMENT: https://edu.rsc.org/job-profiles/teaching-technical-specialist/A014559-article   EMPLOYMENT: Project manager, research scientist   EMPLOYMENT: https://edu.rsc.org/job-profiles/teaching-technical-specialist/A014559-article   Employments to section D   Eason 1: Improvements to section D   Eeson 1: Improvements to section D   Eeson 1: Improvements to section D   Eeson 1: Improvements			LIEF CAMPO II I I I I I I I I I I I I I I I I I	THE CHILD IN THE PERSON IN
EMPLOYMENT: Research scientist  EMPLOYMENT: https://edu.rsc.org/job-profiles/teaching-technical-specialist/4014559.article  Employability Skills  Alming high Literacy Creativity Numeracy Independence Listening Communication Presenting Teamwork Problem solving Staying positive  IT Skills  CLP  DHN  CRE  Lesson 1: Improvements to section C Lesson 2: Improvements to section C Lesson 2: Improvements to section C Lesson 3: Improvements to section D Lesson 4: Impr	EMPLOYMENT: Research scientist  EMPLOYMENT: https://edu.rsc.org/job-profiles/teaching-technical-specialists/4014559.article  Employability Skills  Literacy Leadership Independence Distening Teamwork Presenting Teamwork Problem solving Staying positive  IT Skills  COP  CIP  CIP  CIP  CIP  CIP  CIP  CIP				= -
Specialist / 4014559_article	Employability Skills   Alming high   Literacy   Creativity   Numeracy   Leadership   Independence   Listening   Communication   Presenting   Tearmwork   Problem solving   Stayling positive   TIT Skills   TIT Ski	Employment Links	'·		EMPLOYMENT: Project manager, research scientist
Employability Skills Leadership Independence Presenting Teamwork Problem solving Staying positive  IT Skills  CLP CLP CLP CLP CLESSON 1: Improvements to section D Lesson 2: Improvements to section D Lesson 3: Improvements to section D Lesson 3: Improvements to section D Lesson 4: I	Employability Skills Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive  IT Skills  CLP  CLP  CLP  CLP  CLP  CLP  CLP  CL		EMPLOYMENT: Research scientist		
Leadership Independence Listening Communication Presenting Teamwork Teamwork Teamwork Teamwork Teamwork Teamwork Teamwork Teamwork Problem solving Staying positive P	Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive  IT Skills  CLP  Week 7 (w/b 17 <sup>th</sup> Oct)  Key Words Level 2 amino acid  Common Misconceptions  Identified from first submission  Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive  Problem solving Staying positive  Problem solving Staying positive  IT1 & IT2: Appropriate websites and research for coursework write up  CRE  Lesson 1: Improvements to section D Lesson 2: Improvements to section C Lesson 2: Improvements to section D Lesson 4: Improvements			specialist/4014559.article	
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Leadership Independence Listening Communication Presenting Teamwork Teamwork Teamwork Teamwork Teamwork Teamwork Teamwork Teamwork Problem solving Staying positive P	Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive  IT Skills  CLP  CLP  Week 7  (w/b 17 <sup>th</sup> Oct)  Key Words Level 2  Identify, describe, explain Solvent, solute, solution, retention factor, polar molecule, TLC, photosynthetic, amino acid  Common Misconceptions  Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive  Problem solving Staying positive  Problem solving Staying positive  Problem solving Staying positive  DHN  CRE  Lesson 1: Improvements to section D Lesson 2: Improvements to section C Lesson 2: Improvements to section D Lesson 4: Improvements to section D Lesson	<b>Employability Skills</b>	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy
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Problem solving Staying positive    TT Skills	Problem solving Staying positive  IT Skills  CLP  CLP  CLP  CLP  CLE  Week 7  (w/b 17 <sup>th</sup> Oct)  Lesson 1: Improvements to section C  Lesson 2: Improvements to section D  Lesson 2: Improvements to section D  Lesson 3: Improvements to section D  Lesson 4: Improvements to section D  Lesson 5: Improvements to section D  Lesson 6: Improvements to section D  Lesson 1: ICT session for coursework writeup from CLP/DHN sections  Lesson 1: ICT session for coursework writeup from CLP/DHN sections  Lesson 1: ICT session for coursework writeup from CLP/DHN sections  Lesson 1: Improvements to section D  Lesson 2: Improvements to section D  Lesson 3: Improvements to section D  Lesson 4: Improvements to section D  Lesson 4: Improvements to section D  Lesson 4: Improvements to section D  Lesson 5: Improvements to section D  Lesson 6: Improvements to section D  Lesson 1: ICT session for coursework writeup from CLP/DHN sections				
IT Skills  CLP  CLP  DHN  CRE  Week 7 (w/b 17 <sup>th</sup> Oct)  Lesson 1: Improvements to section C Lesson 2: Improvements to section D Lesson 3: Improvements to section D Lesson 3: Improvements to section D Lesson 3: Improvements to section D Lesson 4: Improvements to section D Lesson 4: Improvements to section D Lesson 5: Improvements to section D Lesson 6: Improvements to section D Lesson 7: Improvements to section D Lesson 8: Improvements to section D Lesson 9: Improvements to section D Lesson 1: ICT session for coursework writeup from CLP/DHN sections  Lesson 1: ICT session for coursework writeup from CLP/DHN sections  Lesson 1: ICT session for coursework writeup from CLP/DHN sections  Lesson 1: ICT session for coursework writeup from CLP/DHN sections  Lesson 1: ICT session for coursework writeup from CLP/DHN sections  Lesson 1: ICT session for coursework writeup from CLP/DHN sections  Lesson 1: ICT session for coursework writeup from CLP/DHN sections  Lesson 1: ICT session for coursework writeup from CLP/DHN sections  Lesson 1: ICT session for coursework writeup from CLP/DHN sections  Lesson 1: ICT session for coursework writeup from CLP/DHN sections  Lesson 1: ICT session for coursework writeup from CLP/DHN sections  Lesson 1: ICT session for coursework writeup from CLP/DHN sections  Lesson 1: ICT session for coursework writeup from CLP/DHN sections  Lesson 1: ICT session for coursework writeup from CLP/DHN sections  Lesson 1: ICT session for coursework writeup from CLP/DHN sections  Lesson 1: Indicate from 1: ICT session for coursework writeup from CLP/DHN sections  Lesson 1: Indicate from 1: ICT session for coursework writeup from CLP/DHN sections  Lesson 1: Indicate from 1: ICT session for coursework writeup from CLP/DHN sections  Lesson 1: Indicate from 1: ICT session for coursework writeup from CLP/DHN sections  Lesson 1: Indicate from 1: ICT session for coursework writeup from CLP/DHN sections  Lesson 1: Indicate from 1: ICT session for coursework writeup from CLP/DHN sections  Lesson 1: Indicate from 1: I	IT1 & IT2: Appropriate websites and research for coursework write up  CLP CLP CLP CLE Week 7 (w/b 17 <sup>th</sup> Oct) Lesson 1: Improvements to section C Lesson 2: Improvements to section D Lesson 2: Improvements to section D Lesson 3: Improvements to section D Lesson 4: Improvements to section D Lesson 5: Improvements to section D Lesson 6: Improvements to section D Lesson 6: Improvements to section D Lesson 6: Improvements to section D Lesson 8: Improvements to section D Lesson 9: Improvements to se			The state of the s	
CLP CLP CLP Lesson 1: Improvements to section C Lesson 2: Improvements to section D Lesson 2: Improvements to section D Lesson 3: Improvements to section D Lesson 4: Improvements to section D Level 2 Level 3 amino acid Linked directly to practical work from CLP/DHN  Solvent, solute, solution, retention factor, polar molecule, TLC, photosynthetic, amino acid  Common Misconceptions  Identified from first submission  Identified from the practical work	CLP  Week 7 (w/b 17 <sup>th</sup> Oct)  Key Words Level 2 Level 3 Common Misconceptions  CLP  DHN  CRE  Lesson 1: Improvements to section C Lesson 1: Improvements to section D Lesson 2: Improvements to section D Lesson 3: Improvements to section D Lesson 4: Improvements to section D Lesson 5: Improvements to section D Lesson 6: Improvements to section D Lesson 8: Improvements to section D Lesson 9: Improvements to section D Lesson 9	IT Skills			
Week 7 (w/b 17 <sup>th</sup> Oct) Lesson 1: Improvements to section C Lesson 2: Improvements to section D Lesson 2: Improvements to section D Lesson 3: Improvements to section D Lesson 4: Improvements to section D Lesson	Week 7 (w/b 17 <sup>th</sup> Oct) Lesson 1: Improvements to section C Lesson 2: Improvements to section C Lesson 2: Improvements to section D Lesson 3: Improvements to section D Lesson 4: Improvement to section D Lesson 4: I			2 a. 1.21. Appropriate websites and research for coursework write up	
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(w/b 17th Oct)Lesson 2: Improvements to section CLesson 2: Improvements to section D Lesson 3: Improvements to section D Lesson 4: Improvements to section DKey WordsIdentify, describe, explainIdentify, describe, explain, evaluate, risk assessmentLinked directly to practical work from CLP/DHNLevel 2 Level 3Solvent, solute, solution, retention factor, polar molecule, TLC, photosynthetic, amino acidIdentified from first submissionIdentified from the practical workCommon MisconceptionsIdentified from first submissionIdentified from the practical work	(w/b 17th Oct)Lesson 2: Improvements to section CLesson 2: Improvements to section D Lesson 3: Improvements to section DKey WordsIdentify, describe, explainIdentify, describe, explain, evaluate, risk assessmentLinked directly to practical work from CLP/DHNLevel 2 Level 3Solvent, solute, solution, retention factor, polar molecule, TLC, photosynthetic, amino acidIdentified from first submissionIdentified from the practical workCommon MisconceptionsIdentified from first submissionIdentified from the practical work	March 7			
Lesson 3: Improvements to section D Lesson 4: Improvements to section D Lesson 4: Improvements to section D Level 2 Level 3  Common Misconceptions  Lesson 4: Improvements to section D Identify, describe, explain, evaluate, risk assessment  Lesson 4: Improvements to section D Lesson	Lesson 3: Improvements to section D Lesson 4: Improvements to section D Lesson 4: Improvements to section D Lesson 4: Improvements to section D  Key Words Level 2 Level 3  Common Misconceptions  Lendify, describe, explain, evaluate, risk assessment  Identify, describe, explain, evaluate, risk assessment  Linked directly to practical work from CLP/DHN		·		Lesson 1: ICT session for coursework writeup from CLP/DHN sections
Lesson 4: Improvements to section D   Identify, describe, explain   Solvent, solute, solution, retention factor, polar molecule, TLC, photosynthetic, amino acid   Identified from first submission   Identified from first submission   Identified from the practical work	Key Words Level 2 Level 3 Common Misconceptions Level (Among Identified from first submission Level (Common Misconceptions) Level (Common Misconception) L	(w/b 17 <sup>th</sup> Oct)	Lesson 2: Improvements to section C		
Common   Identified from first submission   Identified from first submission   Identified from first submission   Identified from first submission   Identified from the practical work from CLP/DHN	Common   Identified from first submission   Identified from the practical work from CLP/DHN   Identified from the practical work from CLP/DHN   Identified from the practical work   Identified from the pra				
Level 2 Level 3 Common Misconceptions  Solvent, solute, solution, retention factor, polar molecule, TLC, photosynthetic, amino acid  Identified from first submission Identified from first submission Identified from the practical work	Level 2 Level 3 Common Misconceptions  Solvent, solute, solution, retention factor, polar molecule, TLC, photosynthetic, photo			Lesson 4: Improvements to section D	
Level 2 Level 3 Common Identified from first submission Misconceptions  Solvent, solute, solution, retention factor, polar molecule, TLC, photosynthetic, amino acid  Identified from first submission Identified from first submission Identified from the practical work	Level 2 Level 3 Common Misconceptions  Solvent, solute, solution, retention factor, polar molecule, TLC, photosynthetic, photo	Key Words		Identify, describe, explain, evaluate, risk assessment	Linked directly to practical work from CLP/DHN
Level 3amino acidCommonIdentified from first submissionIdentified from first submissionMisconceptionsIdentified from the practical work	Level 3 amino acid  Common Identified from first submission Identified from first submission Identified from first submission Identified from the practical work  Misconceptions		Solvent, solute, solution, retention factor, polar molecule, TLC, photosynthetic,		
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Misconceptions	Misconceptions			Identified from first submission	Identified from the practical work
					The state of the process of the state of the
	riactical research and write up	-		Dractical recearch and write up	<u> 1</u>

Assessment this half-		Unit 2 final write up: Final resubmission deadline 21st October	
Career opportunities Employment Links	LIFE SKILLS: Understanding how to evaluate practical work and make improvements EMPLOYMENT: Research scientist	LIFE SKILLS: Understanding how to evaluate practical work and make improvements  EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/teaching-technical-specialist/4014559.article">https://edu.rsc.org/job-profiles/teaching-technical-specialist/4014559.article</a>	LIFE SKILLS: Understanding how to write reports EMPLOYMENT: Project manager, research scientist
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Presenting Teamwork Problem solving Staying positive
IT Skills	<u> </u>	IT1 & IT2: Appropriate websites and research for coursework write up	g , g.
	CLP	DHN	CRE
Week 8 (w/b Mon 31 <sup>st</sup> Oct)	Lesson 1: Unit 3: D1 Protein structure #1 – forming polypeptides from amino acids Lesson 2: Unit 3: D1 Protein structure #2 – Levels of structure	Lesson 1: Unit 12 Learning aim A: Infectious and non- infectious disease causes and types Lesson 2: Unit 12 Learning aim A: Infectious and non- infectious disease characteristics Lesson 3: Unit 12 Learning aim A: Types of pathogen Lesson 4: Unit 12 Learning aim A: Types of pathogen	Lesson 1: Unit 3: G1 Fuels – demonstration of properties
Key Words	Identify, describe, explain, primary, secondary, tertiary, quaternary, collision	Identify, describe, explain, dietary, inheritance, deficiency	Identify, describe, explain, burning, oxygen
<mark>Level 2</mark>	Peptide bond, condensation reaction, hydrolysis, amino acid, polypeptide, active	Bacteria, virus, fungi, parasitic organism, protozoa, genetic, hereditary,	Combustion, incomplete, complete, carbon monoxide/dioxide, viscosity,
Level 3	site, denature	degenerative, allergen, Alzheimers, ALS, pathogenic, pathogenesis, genotype	flammability, particulates/soot
Common	The bonding present in each structure	All diseases can be transmitted in the same ways	Viscosity meaning
Misconceptions  Homework	Protein structure sheet	Transmissions summary	
Assessment this half-	D1 practical write up	First draft of U12 LA:A due 25 <sup>th</sup> Nov	G1 practical write up
term	6 mark in class questions	U12 LA A: Final version due 9 <sup>th</sup> Dec	6 mark in class questions
Career opportunities Employment Links	LIFE SKILLS: Understanding how proteins are made and broken down EMPLOYMENT: Food developer, nutritionist	LIFE SKILLS: Understanding how diseases can spread EMPLOYMENT: Virologist, phlebotomist, nurse	LIFE SKILLS: Choosing appropriate fuels for a purpose EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/teaching-technical-specialist/4014559.article">https://edu.rsc.org/job-profiles/teaching-technical-specialist/4014559.article</a>
Employability Skills	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
IT Skills		website for research and writing up practical assessments as well as research and wri	
	CLP	DHN	CRE
Week 9 (w/b 7 <sup>th</sup> Nov)	Lesson 1: Unit 3: D1 Factors affecting active sites and denaturation #1 – Lock and key hypothesis Lesson 2: Unit 3: D1 Factors affecting active sites and denaturation #2 – practical discussion	Lesson 1: Unit 12 Learning aim A: Genetic diseases Lesson 2: Unit 12 Learning aim A: Dietary diseases Lesson 3: Unit 12 Learning aim A: Degenerative diseases (including punnet squares) Lesson 4: Unit 12 Learning aim A: Environmental diseases	Lesson 1: Unit 3: G1 Fuels – trends in properties based on previous lessons demonstrations.
Key Words Level 2 Level 3	Identify, describe, explain, primary, secondary, tertiary, quaternary, collision, hypothesis, evaluation, conclusion Peptide bond, condensation reaction, hydrolysis, amino acid, polypeptide, active site, denature, substrate, independent variable, dependent variable, control variable	Identify, describe, explain, dietary, inheritance, deficiency Bacteria, virus, fungi, parasitic organism, protozoa, genetic, hereditary, degenerative, allergen, Alzheimers, ALS, pathogenic, pathogenesis, genotype	Identify, describe, explain, burning, oxygen Combustion, incomplete, complete, carbon monoxide/dioxide, viscosity, flammability, particulates/soot
Common Misconceptions	Enzymes 'die'	All diseases can be transmitted in the same ways	
Homework	Practical plan	Types of diseases summary	
Assessment this half-	D1 practical write up	First draft of U12 LA:A due 25 <sup>th</sup> Nov	G1 practical write up
term	6 mark in class questions	U12 LA A: Final version due 9 <sup>th</sup> Dec	6 mark in class questions  LIFE SKILLS: Understanding different fuels
Career opportunities Employment Links	LIFE SKILLS: Understanding how to plan investigations EMPLOYMENT: Research scientist	LIFE SKILLS: Understanding how diseases can spread EMPLOYMENT: Virologist, phlebotomist, nurse	EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/teaching-technical-specialist/4014559.article">https://edu.rsc.org/job-profiles/teaching-technical-specialist/4014559.article</a>
Employability Skills	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive

IT Skills	IT1 & IT2: Use of	website for research and writing up practical assessments as well as research and wri	te up for c/w unit	
	CLP	DHN	CRE	
Week 10	Lesson 1: Unit 3: D1 Factors affecting active sites and denaturation – Practical	Lesson 1: Unit 12 Learning aim A: Set task	Lesson 1: Unit 3: G1 Fuels – pupils research different fuels	
(w/b 14 <sup>th</sup> Nov)	activity – full write up – hypothesis, risk assessment and method Lesson 2: Unit 3: D1 Factors affecting active sites and denaturation – Practical	Lesson 2: Unit 12 Learning aim A: Student task Lesson 3: Unit 12 Learning aim A: Student task		
	activity – full write up – gathering results	Lesson 4: Unit 12 Learning aim A: Student task		
Key Words	Identify, describe, explain, primary, secondary, tertiary, quaternary, collision,	Identify, describe, explain, dietary, inheritance, deficiency	Identify, describe, explain, burning, oxygen, hypothesis, evaluation, conclusion	
Level 2	hypothesis, evaluation, conclusion	Bacteria, virus, fungi, parasitic organism, protozoa, genetic, hereditary,	Combustion, incomplete, complete, carbon monoxide/dioxide, viscosity,	
Level 3	Peptide bond, condensation reaction, hydrolysis, amino acid, polypeptide, active	degenerative, allergen, Alzheimers, ALS, pathogenic, pathogenesis, genotype	flammability, particulates/soot, independent variable, dependent variable,	
	site, denature, substrate, independent variable, dependent variable, control variable		control variable	
Common	Enzymes 'die'	Identified in write up		
Misconceptions				
Homework		C/W write up	Complete fuels research	
Assessment this half-	D1 practical write up	First draft of U12 LA:A due 25 <sup>th</sup> Nov	G1 practical write up	
term	6 mark in class questions	U12 LA A: Final version due 9 <sup>th</sup> Dec	6 mark in class questions	
Career opportunities	LIFE SKILLS: Understanding how to evaluate and make conclusions from	LIFE SKILLS: Understanding how diseases can spread	LIFE SKILLS: Understanding different fuels EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/teaching-technical-">https://edu.rsc.org/job-profiles/teaching-technical-</a>	
Employment Links	investigations and data EMPLOYMENT: Project manager, research scientist	EMPLOYMENT: Virologist, phlebotomist, nurse	specialist/4014559.article	
Employability Skills	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy	
Employability Skills	Leadership Independence Listening Communication	Leadership Independence Listening Communication	Leadership Independence Listening Communication	
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	
	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive	
IT Skills	IT1 & IT2: Use of	website for research and writing up practical assessments as well as research and writ	te up for c/w unit	
	CLP	DHN	CRE	
Week 11	Lesson 1: Unit 3: D1 Factors affecting active sites and denaturation – Practical	Lesson 1: Unit 12 Learning aim A: Student task	Lesson 1: Unit 3: G1 Fuels – pupils research different fuels discuss advantages	
(w/b 21 <sup>st</sup> Nov)	activity – full write up – gathering results and initial analysis Lesson 2: Unit 3: D1 Factors affecting active sites and denaturation – Practical	Lesson 2: Unit 12 Learning aim A: Student task Lesson 3: Unit 12 Learning aim A: Student task	and disadvantages of different fuels/write up their research	
	activity – full write up – graphs and conclusion	Lesson 4: Unit 12 Learning aim A: Student task		
Key Words	Identify, describe, explain, primary, secondary, tertiary, quaternary, collision,	Identify, describe, explain, dietary, inheritance, deficiency	Identify, describe, explain, burning, oxygen, hypothesis, evaluation, conclusion	
Level 2	hypothesis, evaluation, conclusion	Bacteria, virus, fungi, parasitic organism, protozoa, genetic, hereditary,	Combustion, incomplete, complete, carbon monoxide/dioxide, viscosity,	
Level 3	Peptide bond, condensation reaction, hydrolysis, amino acid, polypeptide, active	degenerative, allergen, Alzheimers, ALS, pathogenic, pathogenesis, genotype	flammability, particulates/soot, independent variable, dependent variable,	
	site, denature, substrate, independent variable, dependent variable, control		control variable	
Common	Enzymes 'die'	Identified in write up		
Misconceptions	Litzyffies die	identified iff write up		
Homework	Complete practical write up	C/W write up		
Assessment this half-	D1 practical write up	First draft of U12 LA:A due 25 <sup>th</sup> Nov	G1 practical write up	
term	6 mark in class questions	U12 LA A: Final version due 9 <sup>th</sup> Dec	6 mark in class questions	
Career opportunities	LIFE SKILLS: Understanding how to evaluate and make conclusions from investigations and data	LIFE SKILLS: Understanding how diseases can spread EMPLOYMENT: Virologist, phlebotomist, nurse	LIFE SKILLS: Understanding how to evaluate and make conclusions from investigations and data	
Employment Links	EMPLOYMENT: Project manager, research scientist	EMPLOTIMENT. VITOlogist, philebottomist, marse	EMPLOYMENT: https://edu.rsc.org/job-profiles/teaching-technical-	
	Zivii Zo Tivizi Ti Tojest manager) researon solentist		specialist/4014559.article	
Employability Skills	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy	
	Leadership Independence Listening Communication	Leadership Independence Listening Communication	Leadership Independence Listening Communication	
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	
	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive	
IT Skills	IT1 & IT2: Use of	website for research and writing up practical assessments as well as research and writ I	te up for c/w unit	
	CLP	DHN	CRE	
Week 12	Lesson 1: Unit 3: D2 Enzymes as biological catalysts in chemical reactions #1 –	Lesson 1: Unit 12 Learning aim A: improvements	Lesson 1: Unit 3: G1 Fuels – pupils research different fuels discuss advantages	
(w/b 28 <sup>th</sup> Nov)	Collision theory	Lesson 2: Unit 12 Learning aim A: improvements	and disadvantages of different fuels/write up their research	
(,,	Lesson 2: Unit 3: D2 Enzymes as biological catalysts in chemical reactions #2 –	Lesson 3: Unit 12 Learning aim A: improvements	The state of the s	
	Energy profiles	Lesson 4: Unit 12 Learning aim A: improvements		
Key Words	Identify, describe, explain, primary, secondary, tertiary, quaternary, collision	Identify, describe, explain, dietary, inheritance, deficiency	Identify, describe, explain, burning, oxygen, hypothesis, evaluation, conclusion	
Level 2	Peptide bond, condensation reaction, hydrolysis, amino acid, polypeptide, active	Bacteria, virus, fungi, parasitic organism, protozoa, genetic, hereditary,	Combustion, incomplete, complete, carbon monoxide/dioxide, viscosity,	
Level 3	site, denature, substrate, endothermic, exothermic	degenerative, allergen, Alzheimers, ALS, pathogenic, pathogenesis, genotype	flammability, particulates/soot, independent variable, dependent variable,	
			control variable	

Common Misconceptions	Students forget to link rates of reaction to enzyme action	Identified in write up	
Homework	Energy profiles homework	Improvements to c/w	
Assessment this half-	D1 practical write up	U12 LA A: Final version due 9 <sup>th</sup> Dec	G1 practical write up
term	6 mark in class questions		6 mark in class questions
Career opportunities	LIFE SKILLS: Understanding why reactions are hot or cold	LIFE SKILLS: Understanding how diseases can spread	LIFE SKILLS: Understanding how to evaluate and make conclusions from
Employment Links	EMPLOYMENT: Baby food manufacturer	EMPLOYMENT: Virologist, phlebotomist, nurse	investigations and data
			EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/teaching-technical-">https://edu.rsc.org/job-profiles/teaching-technical-</a>
			specialist/4014559.article
Employability Skills	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy
	Leadership Independence Listening Communication	Leadership Independence Listening Communication	Leadership Independence Listening Communication
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork
	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive
IT Skills	IT1 & IT2: Use of	website for research and writing up practical assessments as well as research and write	e up for c/w unit
	CLD	DUN	CDF
WI-42	CLP	DHN	CRE
Week 13	Lesson 1: Unit 3: D2 Enzymes as biological catalysts in chemical reactions –	Lesson 1: Unit 12 Learning aim A: improvements	Lesson 1: Unit 3: G1 Fuels – define units of energy, re-introduce SHC
(w/b 5 <sup>th</sup> Dec)	practical activity	Lesson 2: Unit 12 Learning aim A: improvements	
	Lesson 2: Unit 3: D2 Enzymes as biological catalysts in chemical reactions –	Lesson 3: Unit 12 Learning aim A: improvements	
Key Words	practical activity  Identify, describe, explain, primary, secondary, tertiary, quaternary, collision,	Lesson 4: Unit 12 Learning aim A: improvements  Identify, describe, explain, dietary, inheritance, deficiency	Identify, describe, explain
Level 2	hypothesis, evaluation, conclusion	Bacteria, virus, fungi, parasitic organism, protozoa, genetic, hereditary,	Joule, kilojoule, specific heat capacity
Level 3	Peptide bond, condensation reaction, hydrolysis, amino acid, polypeptide, active		Joule, kilojoule, specific fleat capacity
Level 5	site, denature, catalyst, substrate, independent variable, dependent variable,	degenerative, allergen, Alzheimers, ALS, pathogenic, pathogenesis, genotype	
	control variable		
Common	Students forget to link rates of reaction to enzyme action	Identified in write up	
Misconceptions	state its forget to minimates of reaction to enzyme action	The first three up	
Homework		Improvements to c/w	Practice calculations for SHC
Assessment this half-	D1 practical write up	U12 LA A: Final version due 9 <sup>th</sup> Dec	G1 practical write up
term	6 mark in class questions		6 mark in class questions
Career opportunities	LIFE SKILLS: Understanding how to evaluate and make conclusions from	LIFE SKILLS: Understanding how diseases can spread	LIFE SKILLS: Mathematical calculations and rearranging formulae
Employment Links	investigations and data	EMPLOYMENT: Virologist, phlebotomist, nurse	EMPLOYMENT: https://edu.rsc.org/job-profiles/solar-technology-
	EMPLOYMENT: Project manager, research scientist		engineer/4013827.article
Employability Skills	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy
	Leadership Independence Listening Communication	Leadership Independence Listening Communication	Leadership Independence Listening Communication
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork
	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive
IT Skills	IT1 & IT2: Use of	website for research and writing up practical assessments as well as research and writing	e up for c/w unit
	CLP	DHN	CRE
Week 14	Lesson 1: Unit 3: D3 Factors that can affect enzyme activity #1 – overview of	Lesson 1: Unit 12 Learning aim B: How to control the spread of infection	Lesson 1: Unit 3: G1 Fuels – practice SHC capacity calculations
(w/b 12 <sup>th</sup> Dec)	factors	Lesson 2: Unit 12 Learning aim B: Vaccination	
	Lesson 2: Unit 3: D3 Factors that can affect enzyme activity – practical planning:	Laces 2. Unit 12 Lacemina sine B. Turnaminaian thurs ab direct souts at	
	hypothesis and methods	Lesson 3: Unit 12 Learning aim B: Transmission through direct contact	
Kov Mords	Identify describe evaluin primary secondary tertiany quaternary collision	Lesson 4: Unit 12 Learning aim B: Transmission through indirect contact	Identify describe explain
Key Words <mark>Level 2</mark>	Identify, describe, explain, primary, secondary, tertiary, quaternary, collision, hypothesis, evaluation, conclusion	Identify, describe, explain, deficiency, transmission, effectiveness  Vaccination, pathogen, lymphocyte, phagocyte, prescription, infectious disease,	Identify, describe, explain Joule, kilojoule, specific heat capacity
Level 3	Peptide bond, condensation reaction, hydrolysis, amino acid, polypeptide, active	causative organism	Joure, Milojoure, Specific fleat capacity
	site, denature, catalyst, substrate, independent variable, dependent variable,	Causative organism	
	control variable		
Common	Students forget to link rates of reaction to enzyme action	Vaccinations are quick to develop	
Misconceptions	3.12, 30.00.		
Homework	Practical write up	Charities research	
Assessment this half-	D1 practical write up		G1 practical write up
term	6 mark in class questions		6 mark in class questions
Career opportunities	LIFE SKILLS: Understanding how to evaluate and make conclusions from	LIFE SKILLS: Understanding how diseases can spread	LIFE SKILLS: Mathematical calculations and rearranging formulae
Employment Links	investigations and data	EMPLOYMENT: Virologist, phlebotomist, nurse	EMPLOYMENT: https://edu.rsc.org/job-profiles/solar-technology-
	EMPLOYMENT: Project manager, research scientist		engineer/4013827.article
<b> </b>			

Employability Skills	Aiming high Leadership Presenting Problem solving	Literacy Independence <mark>Teamwork</mark> Staying positive	Creativity <mark>Listening</mark>	Numeracy Communication	Aiming high Leadership Presenting Problem solving	Literacy Independence Teamwork Staying positive	Creativity Listening	Numeracy Communication	Aiming high Leadership Presenting Problem solving	Literacy Independence Teamwork Staying positive	Creativity Listening	Numeracy Communication
IT Skills	G	, 0.		IT1 & IT2: Use of	website for researc		ical assessments a	s well as research and wr	ite up for c/w unit	, ,,		
									1			
	CLP				DHN				CRE			
Week 15		D3 Factors that can af	fect enzyme activity	– practical planning:		Learning aim B: The w		_	Lesson 1: X			
w/b 19 <sup>th</sup> Dec) End of term	risk assessments Lesson 2: X				with	Learning aim B: Types	or intectious dise	ases that charities work				
Wednesday 20 <sup>th</sup>	Lesson 2. A				Lesson 3: X							
December					Lesson 4: X							
(ey Words	Identify, describe,	, explain, primary, sec	ondary, tertiary, qua	ternary, collision,		, explain, deficiency, t	ransmission, effec	tiveness				
<mark>evel 2</mark>	hypothesis, evalu				Vaccination, path	ogen, lymphocyte, ph	agocyte, prescript	on, infectious disease,				
evel 3				d, polypeptide, active	causative organis	<mark>m</mark>						
	site, denature, car control variable	talyst, substrate, inde	pendent variable, de	pendent variable,								
Common Misconceptions	Students forget to	o link rates of reaction	to enzyme action		Organisations on	ly work with 3 <sup>rd</sup> world	countries					
lomework	Practical write up				Research infectio	us diseases						
Assessment this half-	D1 practical write											
erm	6 mark in class qu	estions										
Career opportunities		rstanding how to eval	uate and make conc	lusions from		rstanding how disease	•					
imployment Links	investigations and				EMPLOYMENT: V	irologist, phlebotomis	t, nurse					
		roject manager, resea			A		6 1: ::					
mployability Skills	Aiming high Leadership	Literacy Independence	Creativity <mark>Listening</mark>	Numeracy Communication	Aiming high Leadership	<mark>Literacy</mark> Independence	Creativity Listening	Numeracy Communication				
	Presenting	Teamwork			Presenting	Teamwork						
<b>=</b> 0. 'II	Problem solving	Staying positive	1 11 11		Problem solving	Staying positive						
T Skills	III & II 2: Use of V	website for research a	ing writing up praction	cal assessments as well	as research and writ	e up for c/w unit						
	]											
	CLP				DHN				CRE			
Week 16		: D3 Factors that ca	n affect enzyme ac	tivity – practical	Lesson 1: X				_	G3 Fuels – recap pl	anning experim	ents; variables, risks
w/b Wed 4 <sup>th</sup> Jan)	planning: results		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, p	Lesson 2: Unit 12 Learning aim B: Set task				and hazards, method, measurements they will make			
		: D3 Factors that ca	n affect enzyme ac	tivity – practical		.2 Learning aim B: St				,	,	
	planning: results		•	, ,		.2 Learning aim B: St						
(ey Words	Identify, describ	e, explain, primary,	secondary, tertian	y, quaternary,	Identify, describ	oe, explain, deficiend	cy, transmission,	effectiveness	Identify, describe	e, explain, explore, o	compare, evalua	<mark>ite</mark>
<mark>evel 2</mark>	collision, hypoth	nesis, evaluation, co	nclusion		Vaccination, pa	thogen, lymphocyte	, phagocyte, pres	cription, infectious	Independent var	iable, dependent va	riable, control v	ariable, thermal
evel 3	Peptide bond, c	ondensation reactio	on, hydrolysis, amir	o acid, polypeptide,	disease, causative organism				energy, calorific	content		
	active site, dena variable, contro		trate, independent	variable, dependent								
Common		to link rates of reac	tion to enzvme act	ion	Identified in wr	ite up			Students forget a	about surface area o	or mass being a	control
Misconceptions			<b>,</b>			- 1-						
lomework	Practical write u	ıp			C/W write up							
ssessment this	D3 practical write					2 LA:B due 13 <sup>TH</sup> Jan			G3 practical writ	e up		
nalf-term	E2 practical writ	•				version due 27 <sup>th</sup> Jan			6 mark in class q			
	6 mark in class of	•							<u>'</u>			
Career		rstanding how to eval	uate and make conc	lusions from	LIFE SKILLS: Understanding how different drugs work			LIFE SKILLS: Unde	erstanding how to p	lan investigation	ns	
opportunities	investigations and					~	~	ientist, doctor, nurse		nttps://edu.rsc.org/j	_	
Employment Links	EMPLOYMENT: P	roject manager, resea	arch scientist			<b>3</b> 7,		,	engineer/401382			
Employability Skills	Aiming high	Literacy	Creativity	Numeracy	Aiming high	<u>Literacy</u>	Creativity	Numeracy	Aiming high	Literacy	Creativity	Numeracy

**Independence** 

Staying positive

<mark>Teamwork</mark>

Listening

IT1 & IT2: Use of website for research and writing up practical assessments as well as research and write up for c/w unit

**Communication** 

Leadership

Presenting

Problem solving

Independence

Staying positive

<mark>Teamwork</mark>

Listening

**Communication** 

**Communication** 

Leadership

**Presenting** 

Problem solving

Leadership

Presenting

IT Skills

**Problem solving** 

Independence

Staying positive

<mark>Teamwork</mark>

Listening

	CLP	DHN	CRE			
Week 17	Lesson 1: Unit 3: D3 Factors that can affect enzyme activity – practical	Lesson 1: Unit 12 Learning aim B: Student task	Lesson 1: Unit 3: G3 Fuels – Demo and practical planning			
(w/b 9 <sup>th</sup> Jan)	planning: analysis and graphs	Lesson 2: Unit 12 Learning aim B: Student task	<b>6</b>			
,	Lesson 2: Unit 3: D3 Factors that can affect enzyme activity – practical	Lesson 3: Unit 12 Learning aim B: Student task				
	planning: conclusions and evaluations	Lesson 4: Unit 12 Learning aim B: Student task				
Key Words	Identify, describe, explain, primary, secondary, tertiary, quaternary,	Identify, describe, explain, deficiency, transmission, effectiveness	Identify, describe, explain, explore, compare, evaluate			
Level 2	collision, hypothesis, evaluation, conclusion	Vaccination, pathogen, lymphocyte, phagocyte, prescription, infectious	Independent variable, dependent variable, control variable, thermal			
Level 3	Peptide bond, condensation reaction, hydrolysis, amino acid, polypeptide,	disease, causative organism	energy, calorific content			
	active site, denature, catalyst, substrate, independent variable, dependent					
	variable, control variable					
Common	Students forget to link rates of reaction to enzyme action	Identified in write up	Students forget about surface area or mass being a control			
Misconceptions						
Homework	Practical write up	C/W write up				
Assessment this	D3 practical write up	First draft of U12 LA:B due 13 <sup>TH</sup> Jan	G3 practical write up			
half-term	E2 practical write up	U12 LA B: Final version due 27 <sup>th</sup> Jan	6 mark in class questions			
Carrage	6 mark in class questions	LIEU CIVIL C. Un douaton ding beau different dunce	LIEU CVIII C. Handamata a din character alla a increativativa			
Career	LIFE SKILLS: Understanding how to evaluate and make conclusions from investigations and data	LIFE SKILLS: Understanding how different drugs work	LIFE SKILLS: Understanding how to plan investigations			
opportunities Employment Links	EMPLOYMENT: Project manager, research scientist	EMPLOYMENT: Virologist, phlebotomist, research scientist, doctor, nurse	EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/solar-technology-engineer/4013827.article">https://edu.rsc.org/job-profiles/solar-technology-engineer/4013827.article</a>			
Employment Links			engineer/4015827.article			
Employability Skills	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy			
Employability Skills	Leadership Independence Listening Communication	Leadership Independence Listening Communication	Leadership Independence Listening Communication			
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork			
	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive			
IT Skills	IT1 & IT2: Use of we	bsite for research and writing up practical assessments as well as research and	write up for c/w unit			
	CLP	DHN	CRE			
Week 18	Lesson 1: Unit 3: E1 Factors affecting the rate of diffusion - theory	Lesson 1: Unit 12 Learning aim B: improvements	Lesson 1: Unit 3: G3 Fuels – Perform Practical I			
(w/b 16 <sup>th</sup> Jan)	Lesson 2: Unit 3: E1 Factors affecting the rate of diffusion - demo	Lesson 2: Unit 12 Learning aim B: improvements				
		Lesson 3: Unit 12 Learning aim B: improvements				
Va.: Marda	Identify describe evaluing analysis and an evaluate	Lesson 4: Unit 12 Learning aim B: improvements	Identify describe explain explore compare evaluate			
Key Words Level 2	Identify, describe, explain, explore, compare, evaluate Diffusion, Brownian motion, concentration gradient, passive process	Identify, describe, explain, deficiency, transmission, effectiveness  Vaccination, pathogen, lymphocyte, phagocyte, prescription, infectious	Identify, describe, explain, explore, compare, evaluate Independent variable, dependent variable, control variable, thermal			
Level 3	binusion, brownian motion, concentration gradient, passive process	disease, causative organism	energy, calorific content			
Common	Some students struggle with examples of diffusion other than in the lungs	Identified in write up	Students forget about surface area or mass being a control			
Misconceptions	Some students struggle with examples of unfusion other than in the langs	identified in write up	Students forget about surface area of mass being a control			
Homework						
		Improvements to c/w	Practical write up			
	D3 practical write up	Improvements to c/w First draft of U12 LA:B due 13 <sup>TH</sup> Jan	Practical write up  G3 practical write up			
Assessment this half-term	D3 practical write up E2 practical write up	Improvements to c/w First draft of U12 LA:B due 13 <sup>TH</sup> Jan U12 LA B: Final version due 27 <sup>th</sup> Jan	Practical write up  G3 practical write up 6 mark in class questions			
Assessment this	· ·	First draft of U12 LA:B due 13 <sup>TH</sup> Jan	G3 practical write up			
Assessment this	E2 practical write up	First draft of U12 LA:B due 13 <sup>TH</sup> Jan	G3 practical write up			
Assessment this half-term	E2 practical write up 6 mark in class questions	First draft of U12 LA:B due 13 <sup>TH</sup> Jan U12 LA B: Final version due 27 <sup>th</sup> Jan	G3 practical write up 6 mark in class questions			
Assessment this half-term  Career	E2 practical write up 6 mark in class questions LIFE SKILLS: Understanding how particles move	First draft of U12 LA:B due 13 <sup>TH</sup> Jan U12 LA B: Final version due 27 <sup>th</sup> Jan LIFE SKILLS: Understanding how different drugs work	G3 practical write up 6 mark in class questions  LIFE SKILLS: Understanding how to evaluate practical work			
Assessment this half-term  Career opportunities Employment Links	E2 practical write up 6 mark in class questions LIFE SKILLS: Understanding how particles move EMPLOYMENT: Analytical chemist	First draft of U12 LA:B due 13 <sup>TH</sup> Jan U12 LA B: Final version due 27 <sup>th</sup> Jan  LIFE SKILLS: Understanding how different drugs work EMPLOYMENT: Virologist, phlebotomist, research scientist, doctor, nurse	G3 practical write up 6 mark in class questions  LIFE SKILLS: Understanding how to evaluate practical work EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/solar-technology-engineer/4013827.article">https://edu.rsc.org/job-profiles/solar-technology-engineer/4013827.article</a>			
Assessment this half-term  Career opportunities	E2 practical write up 6 mark in class questions  LIFE SKILLS: Understanding how particles move EMPLOYMENT: Analytical chemist  Aiming high  Literacy  Creativity  Numeracy	First draft of U12 LA:B due 13 <sup>TH</sup> Jan U12 LA B: Final version due 27 <sup>th</sup> Jan  LIFE SKILLS: Understanding how different drugs work EMPLOYMENT: Virologist, phlebotomist, research scientist, doctor, nurse  Aiming high  Literacy  Creativity  Numeracy	G3 practical write up 6 mark in class questions  LIFE SKILLS: Understanding how to evaluate practical work EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/solar-technology-engineer/4013827.article">https://edu.rsc.org/job-profiles/solar-technology-engineer/4013827.article</a> Aiming high  Literacy  Creativity  Numeracy			
Assessment this half-term  Career opportunities Employment Links	E2 practical write up 6 mark in class questions  LIFE SKILLS: Understanding how particles move EMPLOYMENT: Analytical chemist  Aiming high Literacy Leadership Independence Listening  Communication	First draft of U12 LA:B due 13 <sup>TH</sup> Jan U12 LA B: Final version due 27 <sup>th</sup> Jan  LIFE SKILLS: Understanding how different drugs work EMPLOYMENT: Virologist, phlebotomist, research scientist, doctor, nurse  Aiming high Literacy Leadership Independence Listening Communication	G3 practical write up 6 mark in class questions  LIFE SKILLS: Understanding how to evaluate practical work EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/solar-technology-engineer/4013827.article">https://edu.rsc.org/job-profiles/solar-technology-engineer/4013827.article</a> Aiming high  Literacy  Leadership  Creativity  Numeracy  Leadership  Independence  Listening  Communication			
Assessment this half-term  Career opportunities Employment Links	E2 practical write up 6 mark in class questions  LIFE SKILLS: Understanding how particles move EMPLOYMENT: Analytical chemist  Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork	First draft of U12 LA:B due 13 <sup>TH</sup> Jan U12 LA B: Final version due 27 <sup>th</sup> Jan  LIFE SKILLS: Understanding how different drugs work EMPLOYMENT: Virologist, phlebotomist, research scientist, doctor, nurse  Aiming high Literacy Leadership Independence Presenting Listening Communication Teamwork	G3 practical write up 6 mark in class questions  LIFE SKILLS: Understanding how to evaluate practical work EMPLOYMENT: https://edu.rsc.org/job-profiles/solar-technology- engineer/4013827.article  Aiming high Literacy Leadership Independence Listening Communication Presenting Teamwork			
Assessment this half-term  Career opportunities Employment Links  Employability Skills	E2 practical write up 6 mark in class questions  LIFE SKILLS: Understanding how particles move EMPLOYMENT: Analytical chemist  Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	First draft of U12 LA:B due 13 <sup>TH</sup> Jan U12 LA B: Final version due 27 <sup>th</sup> Jan  LIFE SKILLS: Understanding how different drugs work EMPLOYMENT: Virologist, phlebotomist, research scientist, doctor, nurse  Aiming high Literacy Leadership Independence Presenting Teamwork Problem solving Staying positive	G3 practical write up 6 mark in class questions  LIFE SKILLS: Understanding how to evaluate practical work EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/solar-technology-engineer/4013827.article">https://edu.rsc.org/job-profiles/solar-technology-engineer/4013827.article</a> Aiming high  Literacy  Creativity  Numeracy  Leadership  Independence  Listening  Communication  Presenting  Teamwork  Problem solving  Staying positive			
Assessment this half-term  Career opportunities Employment Links	E2 practical write up 6 mark in class questions  LIFE SKILLS: Understanding how particles move EMPLOYMENT: Analytical chemist  Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	First draft of U12 LA:B due 13 <sup>TH</sup> Jan U12 LA B: Final version due 27 <sup>th</sup> Jan  LIFE SKILLS: Understanding how different drugs work EMPLOYMENT: Virologist, phlebotomist, research scientist, doctor, nurse  Aiming high Literacy Leadership Independence Presenting Listening Communication Teamwork	G3 practical write up 6 mark in class questions  LIFE SKILLS: Understanding how to evaluate practical work EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/solar-technology-engineer/4013827.article">https://edu.rsc.org/job-profiles/solar-technology-engineer/4013827.article</a> Aiming high  Literacy  Creativity  Numeracy  Leadership  Independence  Listening  Communication  Presenting  Teamwork  Problem solving  Staying positive			
Assessment this half-term  Career opportunities Employment Links  Employability Skills	E2 practical write up 6 mark in class questions  LIFE SKILLS: Understanding how particles move EMPLOYMENT: Analytical chemist  Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	First draft of U12 LA:B due 13 <sup>TH</sup> Jan U12 LA B: Final version due 27 <sup>th</sup> Jan  LIFE SKILLS: Understanding how different drugs work EMPLOYMENT: Virologist, phlebotomist, research scientist, doctor, nurse  Aiming high Literacy Leadership Independence Presenting Teamwork Problem solving Staying positive	G3 practical write up 6 mark in class questions  LIFE SKILLS: Understanding how to evaluate practical work EMPLOYMENT: https://edu.rsc.org/job-profiles/solar-technology- engineer/4013827.article  Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive			
Assessment this half-term  Career opportunities Employment Links  Employability Skills	E2 practical write up 6 mark in class questions  LIFE SKILLS: Understanding how particles move EMPLOYMENT: Analytical chemist  Aiming high Literacy Leadership Independence Listening Presenting Problem solving Staying positive  IT1 & IT2: Use of we	First draft of U12 LA:B due 13 <sup>TH</sup> Jan U12 LA B: Final version due 27 <sup>th</sup> Jan  LIFE SKILLS: Understanding how different drugs work EMPLOYMENT: Virologist, phlebotomist, research scientist, doctor, nurse  Aiming high Literacy Leadership Independence Presenting Teamwork Problem solving Staying positive  bsite for research and writing up practical assessments as well as research and	G3 practical write up 6 mark in class questions  LIFE SKILLS: Understanding how to evaluate practical work EMPLOYMENT: https://edu.rsc.org/job-profiles/solar-technology- engineer/4013827.article  Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive  Liveracy Creativity Numeracy Communication Presenting Teamwork Problem solving Staying positive			
Assessment this half-term  Career opportunities Employment Links  Employability Skills  IT Skills	E2 practical write up 6 mark in class questions  LIFE SKILLS: Understanding how particles move EMPLOYMENT: Analytical chemist  Aiming high Literacy Creativity Leadership Independence Presenting Teamwork Problem solving Staying positive  IT1 & IT2: Use of we  CLP	First draft of U12 LA:B due 13 <sup>TH</sup> Jan U12 LA B: Final version due 27 <sup>th</sup> Jan  LIFE SKILLS: Understanding how different drugs work EMPLOYMENT: Virologist, phlebotomist, research scientist, doctor, nurse  Aiming high Literacy Leadership Independence Presenting Teamwork Problem solving Staying positive  bsite for research and writing up practical assessments as well as research and DHN	G3 practical write up 6 mark in class questions  LIFE SKILLS: Understanding how to evaluate practical work EMPLOYMENT: https://edu.rsc.org/job-profiles/solar-technology- engineer/4013827.article  Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive  I write up for c/w unit  CRE			
Assessment this half-term  Career opportunities Employment Links  Employability Skills  IT Skills  Week 19	E2 practical write up 6 mark in class questions  LIFE SKILLS: Understanding how particles move EMPLOYMENT: Analytical chemist  Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive  IT1 & IT2: Use of we  CLP Lesson 1: Unit 3: E2 Arrangement and movement of molecules – Brownian	First draft of U12 LA:B due 13 <sup>TH</sup> Jan U12 LA B: Final version due 27 <sup>th</sup> Jan  LIFE SKILLS: Understanding how different drugs work EMPLOYMENT: Virologist, phlebotomist, research scientist, doctor, nurse  Aiming high Literacy Leadership Independence Presenting Teamwork Problem solving Staying positive  bsite for research and writing up practical assessments as well as research and DHN Lesson 1: Unit 12 Learning aim B: improvements	G3 practical write up 6 mark in class questions  LIFE SKILLS: Understanding how to evaluate practical work EMPLOYMENT: https://edu.rsc.org/job-profiles/solar-technology- engineer/4013827.article  Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive  I write up for c/w unit  CRE			
Assessment this half-term  Career opportunities Employment Links  Employability Skills  IT Skills  Week 19	E2 practical write up 6 mark in class questions  LIFE SKILLS: Understanding how particles move EMPLOYMENT: Analytical chemist  Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive  IT1 & IT2: Use of we  CLP  Lesson 1: Unit 3: E2 Arrangement and movement of molecules – Brownian motion	First draft of U12 LA:B due 13 <sup>TH</sup> Jan U12 LA B: Final version due 27 <sup>th</sup> Jan  LIFE SKILLS: Understanding how different drugs work EMPLOYMENT: Virologist, phlebotomist, research scientist, doctor, nurse  Aiming high Literacy Leadership Independence Presenting Teamwork Problem solving Staying positive  bsite for research and writing up practical assessments as well as research and DHN Lesson 1: Unit 12 Learning aim B: improvements Lesson 2: Unit 12 Learning aim B: improvements	G3 practical write up 6 mark in class questions  LIFE SKILLS: Understanding how to evaluate practical work EMPLOYMENT: https://edu.rsc.org/job-profiles/solar-technology- engineer/4013827.article  Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive  I write up for c/w unit  CRE			

Key Words	Identify, describe, explain, explore, compare, evaluate	Identify, describe, explain, deficiency, transmission, effectiveness	Identify, describe, explain, explore, compare, evaluate			
Level 2	Diffusion, Brownian motion, concentration gradient, passive process,	Vaccination, pathogen, lymphocyte, phagocyte, prescription, infectious	Independent variable, dependent variable, control variable, thermal			
Level 3	independent variable, dependent variable, control variable	disease, causative organism	energy, calorific content			
Common Misconceptions	Some students struggle with examples of diffusion other than in the lungs	Identified in write up	Students forget about surface area or mass being a control			
Homework	Practical write up	Improvements to c/w				
Assessment this	D3 practical write up	First draft of U12 LA:B due 13 <sup>TH</sup> Jan	G3 practical write up			
half-term	E2 practical write up	U12 LA B: Final version due 27 <sup>th</sup> Jan	6 mark in class questions			
	6 mark in class questions					
Career	LIFE SKILLS: Understanding how particles move	LIFE SKILLS: Understanding how different drugs work	LIFE SKILLS: Understanding how to evaluate practical work			
opportunities Employment Links	EMPLOYMENT: Analytical chemist	EMPLOYMENT: Virologist, phlebotomist, research scientist, doctor, nurse	EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/solar-technology-engineer/4013827.article">https://edu.rsc.org/job-profiles/solar-technology-engineer/4013827.article</a>			
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive			
IT Skills		osite for research and writing up practical assessments as well as research and				
	CLP	DHN	CRE			
Week 20	Lesson 1: Unit 3: E2 Arrangement and movement of molecules – Results	Lesson 1: Unit 12 Learning aim C: Understanding how infectious diseases	Lesson 1: Unit 3: G3 Fuels – Perform Practical – calculations and analysis			
(w/b 30 <sup>th</sup> Jan)	Lesson 2: Unit 3: E2 Arrangement and movement of molecules – Analysis and evaluations	can be treated and managed – modes of action Lesson 2: Unit 12 Learning aim C: Understanding how infectious diseases can be treated and managed – modes of action Lesson 3: Unit 12 Learning aim C: Understanding how infectious diseases can be treated and managed – modes of action Lesson 4: Unit 12 Learning aim C: Understanding how infectious diseases can be treated and managed – modes of action				
Key Words	Identify, describe, explain, explore, compare, evaluate	Identify, describe, explain, explore, compare, evaluate	Identify, describe, explain, explore, compare, evaluate			
Level 2 Level 3	Diffusion, Brownian motion, concentration gradient, passive process, independent variable, dependent variable, control variable	Parasite, protozoa, antiviral, anti-retroviral, antibiotic, immunoglobulin, antimalarial, antifungal, anthelmintic, vaccination, intravenous, intramuscular	Independent variable, dependent variable, control variable, thermal energy, calorific content			
Common Misconceptions	Identified in practical work	All drugs work in the same way	Unit conversions			
Homework	Practical write up	Research modes of action				
Assessment this	D3 practical write up	First draft of U12 LA:B due 13 <sup>TH</sup> Jan	G3 practical write up			
half-term	E2 practical write up	U12 LA B: Final version due 27 <sup>th</sup> Jan	6 mark in class questions			
	6 mark in class questions					
Career opportunities Employment Links	LIFE SKILLS: Understanding how particles move EMPLOYMENT: Analytical chemist	LIFE SKILLS: Understanding how different drugs work EMPLOYMENT: Virologist, phlebotomist, research scientist, doctor, nurse	LIFE SKILLS: Understanding how to evaluate practical work EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/solar-technology-engineer/4013827.article">https://edu.rsc.org/job-profiles/solar-technology-engineer/4013827.article</a>			
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive			
IT Skills	IT1 & IT2: Use of web	osite for research and writing up practical assessments as well as research and	write up for c/w unit			
	CLP	DHN	CRE			
Week 21 (w/b 6 <sup>th</sup> Feb)	Lesson 1: Unit 3: E2 Arrangement and movement of molecules – diffusion of food dye through agar – practical Lesson 2: Unit 3: E2 Arrangement and movement of molecules – diffusion of food dye through agar – analysis and evaluation	Lesson 1: Unit 12 Learning aim C: Set task Lesson 2: Unit 12 Learning aim C: Student task Lesson 3: Unit 12 Learning aim C: Student task Lesson 4: Unit 12 Learning aim C: Student task	Lesson 1: Unit 3: G3 Fuels – Perform Practical – conclusion, evaluation			
Key Words Level 2 Level 3	Identify, describe, explain, explore, compare, evaluate Diffusion, Brownian motion, concentration gradient, passive process, independent variable, dependent variable, control variable	Identify, describe, explain, explore, compare, evaluate Parasite, protozoa, antiviral, anti-retroviral, antibiotic, immunoglobulin, antimalarial, antifungal, anthelmintic, vaccination, intravenous, intramuscular	Identify, describe, explain, explore, compare, evaluate Independent variable, dependent variable, control variable, thermal energy, calorific content			

Common	Identified in practical work	Identified in write up	Graph axis			
Misconceptions						
Homework		C/W write up	Practical write up			
Assessment this	D3 practical write up	First draft of U12 LA:B due 13 <sup>TH</sup> Jan	G3 practical write up			
half-term	E2 practical write up 6 mark in class questions	U12 LA B: Final version due 27 <sup>th</sup> Jan	6 mark in class questions			
Career	LIFE SKILLS: Understanding how particles move	LIFE SKILLS: Understanding how different drugs work	LIFE SKILLS: Understanding how to evaluate practical work			
opportunities	EMPLOYMENT: Analytical chemist	EMPLOYMENT: Virologist, phlebotomist, research scientist, doctor, nurse	EMPLOYMENT: https://edu.rsc.org/job-profiles/solar-technology-			
Employment Links			engineer/4013827.article			
Employability Skills	Leadership Independence Listening Communication Presenting Teamwork	Presenting Teamwork	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Ommunication Presenting Teamwork			
IT Skills	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive			
11 SKIIIS	111 & 112: US6	e of website for research and writing up practical assessments as well as research an	nd write up for c/w unit			
	CLP	DUM	CDE			
Week 22		DHN ondary Lesson 1: Unit 12 Learning aim C: Student task	CRE Lesson 1: Unit 3: G3 Fuels – comparison with textbook/packaging values			
(w/b 13th Feb)	Lesson 1: Unit 3: E2 Arrangement and movement of molecules – sec evidence	Lesson 2: Unit 12 Learning aim C. Student task	Lesson 1: Onit 3: G3 Fuels – Companson with textbook/packaging values			
(W/D IStil Feb)	Lesson 2: Unit 3: E2 Arrangement and movement of molecules – sec					
	evidence	Lesson 4: Unit 12 Learning aim C. Student task				
Key Words	Identify, describe, explain, explore, compare, evaluate	Identify, describe, explain, explore, compare, evaluate	Identify, describe, explain, explore, compare, evaluate			
Level 2	Diffusion, Brownian motion, concentration gradient, passive process		Calorific content			
Level 3	binasion, Brownian motion, concentration gradient, passive process	antimalarial, antifungal, anthelmintic, vaccination, intravenous,				
LCVCI 5		intramuscular				
Common	How to check for bias	Identified in write up	Conversions of mass for comparison			
Misconceptions		Tuentined in Write up	Conversions of mass for companison			
Homework	Review of the secondary evidence	C/W write up				
Assessment this	D3 practical write up	First draft of U12 LA:B due 13 <sup>TH</sup> Jan	G3 practical write up			
half-term	E2 practical write up	U12 LA B: Final version due 27 <sup>th</sup> Jan	6 mark in class questions			
	6 mark in class questions		- manuscrate queenene			
Career	LIFE SKILLS: Checking for inaccuracies and bias	LIFE SKILLS: Understanding how different drugs work	LIFE SKILLS: Understanding how to interpret energy values on packaging			
opportunities	EMPLOYMENT: Proof reader	EMPLOYMENT: Virologist, phlebotomist, research scientist, doctor, nurse	EMPLOYMENT: Nutritionist			
Employment Links						
Employability Skills	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy			
Linployability Skills	Leadership Independence Listening Communicati		Leadership Independence Listening Communication			
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork			
	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive			
IT Skills	IT1 & IT2: Use	e of website for research and writing up practical assessments as well as research ar	nd write up for c/w unit			
	CLP	DHN	CRE			
Week 23	Lesson 1: Unit 3: F1 Factors that can affect plant growth and/or	Lesson 1: Unit 12 Learning aim C: Student task	Lesson 1: Unit 3: G3 Fuels – Energy from candle wax - demo			
(w/b 27 <sup>th</sup> Feb)	distribution – biotic factors	Lesson 2: Unit 12 Learning aim C: Student task				
	Lesson 2: Unit 3: F1 Factors that can affect plant growth and/or	Lesson 3: Unit 12 Learning aim C: Student task				
	distribution – abiotic factors	Lesson 4: Unit 12 Learning aim C: Student task				
Key Words	Identify, describe, explain, explore, compare, evaluate, abundance, r		Identify, describe, explain, explore, compare, evaluate			
Level 2	median, mode, valid, representative sample	Parasite, protozoa, antiviral, anti-retroviral, antibiotic, immunoglobulin,	Thermal energy, independent variable, dependent variable, control			
Level 3	Biotic, abiotic, quadrat, transect, Chi squared, independent variable,		variable			
_	dependent variable, control variable	intramuscular				
Common	Confusing non-living factors	Identified in task	All candles release the same thermal energy			
Misconceptions	<u> </u>					
Homework	Essay: Factors affecting plant growth and distribution	C/W write up				
Assessment this	U3 F3 practical write up	First draft of U12 LA:C due 4 <sup>th</sup> Mar	6 mark in class questions			
half-term		U12 LA C: Final version due 17 <sup>th</sup> Mar				

Career opportunities Employment Links	EMPLOYMENT: Ecologist				LIFE SKILLS: Organisation and deadlines EMPLOYMENT: Project manager			LIFE SKILLS: Understanding how to choose appropriate fuels EMPLOYMENT: <a href="https://edu.rsc.org/job-profiles/solar-technology-engineer/4013827.article">https://edu.rsc.org/job-profiles/solar-technology-engineer/4013827.article</a>					
Employability Skills	Aiming high Leadership Presenting Problem solving	Literacy Independence Teamwork Staying positive	Creativity <mark>Listening</mark>	Numeracy Communication	Aiming high Leadership Presenting Problem solving	Literacy Independence Teamwork Staying positive	Creativity Listening	Numeracy Communication	Aiming high Leadership Presenting Problem solving	Literacy Independence Teamwork Staying positive	Creativity Listening	Numeracy Communication	
IT Skills				IT1 &	IT2: Research skill	s and use of approp	riate websites fo	r homework and c/w w	rite up				
Week 24 (w/b 6 <sup>th</sup> Mar)	CLP Lesson 1: Unit 3: F Lesson 2: Unit 3: F	2 Sampling technic 3 Sampling sizes	ques		DHN  Lesson 1: Unit 12 Learning aim C: improvements Lesson 2: Unit 12 Learning aim C: improvements Lesson 3: Unit 12 Learning aim C: improvements Lesson 4: Unit 12 Learning aim C: improvements			CRE Lesson 1: Unit 3: H1 Uses of electrical symbols to design circuits – electrical resistance			sign circuits –		
Key Words Level 2 Level 3	median, mode, val Biotic, abiotic, qua	explain, explore, c lid, representative adrat, transect, Chi le, control variable	sample sample	e, abundance, mean, ndent variable,	Identify, describe, explain, explore, compare, evaluate Parasite, protozoa, antiviral, anti-retroviral, antibiotic, immunoglobulin, antimalarial, antifungal, anthelmintic, vaccination, intravenous, intramuscular			Series, parallel, a	e, explain, explore, on the second second second tor, filament bulb, S	, resistor, ohm, d			
Common Misconceptions	Belt and line trans	sects are the same			Identified in tas	k			The difference be	etween a cell and a	battery		
Homework Assessment this half-term	Sampling technique U3 F3 practical wr				C/W write up  First draft of U12 LA:C due 4 <sup>th</sup> Mar  U12 LA C: Final version due 17 <sup>th</sup> Mar			6 mark in class questions					
Career opportunities Employment Links	draw conclusions	rstanding how to sa	•	d use evidence to	LIFE SKILLS: Organisation and deadlines EMPLOYMENT: Project manager		LIFE SKILLS: Understanding how to set up circuits EMPLOYMENT: Electrician						
Employability Skills	Leadership Presenting	Literacy Independence Teamwork	Creativity Listening	Numeracy Communication	Aiming high Leadership Presenting	Literacy Independence Teamwork	Creativity Listening	Numeracy Communication	Aiming high Leadership Presenting	Literacy Independence Teamwork	Creativity Listening	Numeracy Communication	
IT Skills	Problem solving	Staying positive		IT1 &	Problem solving IT2: Research skill	Staying positive s and use of approp	riate websites fo	r homework and c/w w	Problem solving rite up	Staying positive			
								·					
Week 25 (w/b 13 <sup>th</sup> Mar)		3 Sampling sizes – 3 Sampling sizes –		assessment	DHN  Lesson 1: Unit 12 Learning aim C: improvements Lesson 2: Unit 12 Learning aim C: improvements Lesson 3: Unit 12 Learning aim C: improvements			CRE Lesson 1: Unit 3: H1 Uses of electrical symbols to design circuits – electrical resistance -practical demo					
Key Words Level 2 Level 3	median, mode, val	lid, representative adrat, transect, Chi	sample	e, abundance, mean, ndent variable,	Lesson 4: Unit 12 Learning aim C: improvements  Identify, describe, explain, explore, compare, evaluate  Parasite, protozoa, antiviral, anti-retroviral, antibiotic, immunoglobulin, antimalarial, antifungal, anthelmintic, vaccination, intravenous, intramuscular			Identify, describe, explain, explore, compare, evaluate Series, parallel, ammeter, voltmeter, resistor, ohm, diode, current, voltage, thermistor, filament bulb, SHC					
Common Misconceptions	Belt and line trans	sects are the same			Identified in tas	k			How to draw a b	ulb in a circuit diagr	am		
Homework					C/W write up				Graphs of results				
Assessment this half-term	U3 F3 practical wr	ite up				2 LA:C due 4 <sup>th</sup> Mar version due 17 <sup>th</sup> Ma	r		6 mark in class q	uestions			
Career opportunities Employment Links	draw conclusions	rstanding how to sa	•	d use evidence to	LIFE SKILLS: Organisation and deadlines EMPLOYMENT: Project manager			LIFE SKILLS: Understanding how to set up circuits EMPLOYMENT: Electrician					
Employability Skills	Aiming high Leadership Presenting Problem solving	Literacy Independence <mark>Teamwork</mark> Staying positive	Creativity Listening	Numeracy Communication	Aiming high Leadership Presenting Problem solving	Literacy Independence Teamwork Staying positive	Creativity Listening	Numeracy Communication	Aiming high Leadership Presenting Problem solving	Literacy Independence Teamwork Staying positive	<mark>Creativity</mark> Listening	Numeracy Communication	
IT Skills				IT1 &	112: Kesearch skill	s and use of approp	riate websites fo	r homework and c/w w	rite up				

	A .				
	CLP	DHN	CRE		
Week 26 (w/b 20 <sup>th</sup> Mar)	Lesson 1: Unit 3: F3 Sampling sizes – practical work Lesson 2: Unit 3: F3 Sampling sizes – statistical analysis of data (mean, median, mode)	Lesson 1: Unit 12 Learning aim D: Humoral response Lesson 2: Unit 12 Learning aim D: Humoral response Lesson 3: Unit 12 Learning aim D: Cell mediated response Lesson 4: Unit 12 Learning aim D: Specific and non-specific defence mechanisms	Lesson 1: Unit 3: H1 Uses of electrical symbols to design circuits – thermistor demo		
Key Words Level 2 Level 3	Identify, describe, explain, explore, compare, evaluate, abundance, mean, median, mode, valid, representative sample Biotic, abiotic, quadrat, transect, Chi squared, independent variable, dependent variable, control variable	Identify, describe, explain, explore, compare, evaluate Pathogen, lymphocyte, phagocyte, humoral response, cell mediated response, immunity, helper T cells, killer T cells, phagocytosis, antibody, antigen	Identify, describe, explain, explore, compare, evaluate Series, parallel, ammeter, voltmeter, resistor, ohm, diode, current, voltage, thermistor, filament bulb, SHC		
Common Misconceptions	Whether to include anomalous results	All responses are from white blood cells	The uses thermistors and resistors		
Homework Assessment this	Practical write up U3 F3 practical write up	Mechanisms overview  First draft of U12 LA:C due 4 <sup>th</sup> Mar	6 mark in class questions		
Career opportunities Employment Links	LIFE SKILLS: Understanding how to sample an area and use evidence to draw conclusions EMPLOYMENT: DEFRA, Environment agency	U12 LA C: Final version due 17 <sup>th</sup> Mar  LIFE SKILLS: Understanding the bodies response to pathogens EMPLOYMENT: Virologist, doctor, nurse, paramedic	LIFE SKILLS: Understanding how to set up circuits EMPLOYMENT: Electrician		
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Presenting Teamwork Problem solving Staying positive		
IT Skills	IT1 &	IT2: Research skills and use of appropriate websites for homework and c/w w	rite up		
Week 27 (w/b 27 <sup>th</sup> Mar)	CLP Lesson 1: Unit 3: F3 Sampling sizes – statistical analysis of data (standard deviation) Lesson 2: Unit 3: F3 Sampling sizes – statistical analysis of data (Chi	DHN  Lesson 1: Unit 12 Learning aim D: Set task Lesson 2: Unit 12 Learning aim D: Student task Lesson 3: Unit 12 Learning aim D: Student task	CRE Lesson 1: Unit 3: H2 Equations		
Key Words Level 2 Level 3 Common	squared)  Identify, describe, explain, explore, compare, evaluate, abundance, mean, median, mode, valid, representative sample  Biotic, abiotic, quadrat, transect, Chi squared, independent variable, dependent variable, control variable  Whether to include anomalous results	Lesson 4: Unit 12 Learning aim D: Student task  Identify, describe, explain, explore, compare, evaluate Pathogen, lymphocyte, phagocyte, humoral response, cell mediated response, immunity, helper T cells, killer T cells, phagocytosis, antibody, antigen  Identified in task	Identify, describe, explain, explore, compare, evaluate Series, parallel, ammeter, voltmeter, resistor, ohm, diode, current, voltage, thermistor, filament bulb, SHC		
Misconceptions			Rearranging formulae		
Assessment this half-term	Statistics questions  U3 F3 practical write up	C/W write up First draft of U12 LA:C due 4 <sup>th</sup> Mar U12 LA C: Final version due 17 <sup>th</sup> Mar	Equations practice 6 mark in class questions		
Career opportunities Employment Links	LIFE SKILLS: Understanding how to sample an area and use evidence to draw conclusions EMPLOYMENT: DEFRA, Environment agency	LIFE SKILLS: Understanding the bodies response to pathogens EMPLOYMENT: Virologist, doctor, nurse, paramedic	LIFE SKILLS: Understanding how to interpret circuit data EMPLOYMENT: Electrician		
Employability Skills	LeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive		
IT Skills	IT4 0	IT2: Research skills and use of appropriate websites for homework and c/w w	rite un		

	CLP	DHN	CRE
Week 28	Lesson 1: Unit 3: F3 Sampling sizes – plant populations - planning	Lesson 1: Unit 12 Learning aim D: Student task	Lesson 1: Unit 3: H3 Energy usage – energy ratings and worked
(w/b 17 <sup>th</sup> Apr)	Lesson 2: Unit 3: F3 Sampling sizes – plant populations - planning	Lesson 2: Unit 12 Learning aim D: Student task	examples
		Lesson 3: Unit 12 Learning aim D: Student task	
		Lesson 4: Unit 12 Learning aim D: Student task	

Key Words	Identify, describe, explain, explore, compare, evaluate, abundance, mean,	Identify, describe, explain, explore, compare, evaluate	Identify, describe, explain, explore, compare, evaluate			
Level 2	median, mode, valid, representative sample	Pathogen, lymphocyte, phagocyte, humoral response, cell mediated	Series, parallel, ammeter, voltmeter, resistor, ohm, diode, current,			
Level 3	Biotic, abiotic, quadrat, transect, Chi squared, independent variable,	response, immunity, helper T cells, killer T cells, phagocytosis, antibody,	voltage, thermistor, filament bulb, SHC			
	dependent variable, control variable	antigen				
Common	All plants have the same tolerance to changing conditions	Identified from c/w	What energy ratings mean			
Misconceptions						
Homework	Unit 3 revision questions	C/W write up	Unit 3 revision questions			
Assessment this	U3 F3 practical write up	U3 LAD: First draft due 28 <sup>th</sup> April	Unit 3 exam			
half-term	Unit 3 exam	U3 LAD: Final version due 19 <sup>th</sup> May				
		U3 exam				
Career	LIFE SKILLS: Understanding how to sample an area and use evidence to	LIFE SKILLS: Understanding the bodies response to pathogens	LIFE SKILLS: Understanding how electricity bills are calculated			
opportunities	draw conclusions	EMPLOYMENT: Virologist, doctor, nurse, paramedic	EMPLOYMENT: Electrician			
Employment Links	EMPLOYMENT: DEFRA, Environment agency					
Employability Skills	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy			
	Leadership Independence Listening Communication Presenting Teamwork	Leadership Independence Listening Communication Presenting Teamwork	Leadership Independence Listening Communication Presenting Teamwork			
	Problem solving Staying positive	Problem solving Staying positive	Problem solving Staying positive			
IT Skills	, 5:	2: Research skills and use of appropriate websites for homework and c/w write	1			
	CLP	DHN	CRE			
Week 29	Lesson 1: Unit 3: F3 Sampling sizes – plant populations – obtaining results	Lesson 1: Unit 12 Learning aim D: Student task	Lesson 1: Unit 3: H3 Energy usage – analysis of electricity bills			
(w/b 24 <sup>th</sup> Apr)	Lesson 2: Unit 3: F3 Sampling sizes – plant populations – obtaining results	Lesson 2: Unit 12 Learning aim D: Student task				
		Lesson 3: Unit 12 Learning aim D: Student task				
		Lesson 4: Unit 12 Learning aim D: Student task				
Key Words	Identify, describe, explain, explore, compare, evaluate, abundance, mean,	Identify, describe, explain, explore, compare, evaluate	Identify, describe, explain, explore, compare, evaluate			
Level 2	median, mode, valid, representative sample	Pathogen, lymphocyte, phagocyte, humoral response, cell mediated	Series, parallel, ammeter, voltmeter, resistor, ohm, diode, current,			
Level 3	Biotic, abiotic, quadrat, transect, Chi squared, independent variable,	response, immunity, helper T cells, killer T cells, phagocytosis, antibody,	voltage, thermistor, filament bulb, SHC			
	dependent variable, control variable	antigen	H. W. Carlotter			
Common	Not making estimations	Identified from c/w	Unit conversions			
Misconceptions	Unit 2 revision questions	C/M write up	Unit 3 revision questions			
Homework Assessment this	Unit 3 revision questions	C/W write up U3 LAD: First draft due 28 <sup>th</sup> April	Unit 3 revision questions  Unit 3 exam			
half-term	U3 F3 practical write up Unit 3 exam	U3 LAD: Final version due 19 <sup>th</sup> May	Office 5 exam			
nan-term	Offic 3 Exam	U3 exam				
Career	LIFE SKILLS: Understanding how to sample an area and use evidence to	LIFE SKILLS: Understanding the bodies response to pathogens	LIFE SKILLS: Understanding how electricity bills are calculated			
opportunities	draw conclusions	EMPLOYMENT: Virologist, doctor, nurse, paramedic	EMPLOYMENT: Electrician			
Employment Links	EMPLOYMENT: DEFRA, Environment agency					
. ,	, ,					
<b>Employability Skills</b>	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy			
	Leadership Independence Listening Communication	Leadership Independence Listening Communication	Leadership Independence Listening Communication			
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork			
IT Skills	Problem solving Staying positive	Problem solving Staying positive 2: Research skills and use of appropriate websites for homework and c/w write	Problem solving Staying positive			
11 JKIII3	111 & 11	2. Research skins and use of appropriate websites for nomework and C/W Willi				
	CLP	DHN	CRE			
Week 30	Lesson 1: Unit 3: F3 Sampling sizes – plant populations – analysing	Lesson 1: Unit 3 exam prep	Lesson 1: Unit 3: H3 Energy usage – SHC of a metal block practical			
(w/b Tues 2 <sup>nd</sup> May)	data/statistical analysis	Lesson 2: Unit 3 exam prep	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
	Lesson 2: Unit 3: F3 Sampling sizes – plant populations – analysing	Lesson 3: Unit 3 exam prep				
	data/statistical analysis	Lesson 4: Unit 3 exam prep				
Key Words	Identify, describe, explain, explore, compare, evaluate, abundance, mean,	Identify, describe, explain, explore, compare, evaluate	Identify, describe, explain, explore, compare, evaluate			
Level 2	median, mode, valid, representative sample	Subject specific terminology taken directly from sections D/E/F/G/H	Series, parallel, ammeter, voltmeter, resistor, ohm, diode, current,			
Level 3	Biotic, abiotic, quadrat, transect, Chi squared, independent variable,		voltage, thermistor, filament bulb, SHC			
	dependent variable, control variable					
Common	Supporting evaluations & conclusions with evidence	Identified through questioning	Use of SHC equation			
Misconceptions						
Homework	Unit 3 revision questions	Unit 3 revision questions	Unit 3 revision questions			

Assessment this half-term	U3 F3 practical write up Unit 3 exam	U3 LAD: First draft due 28 <sup>th</sup> April U3 LAD: Final version due 19 <sup>th</sup> May U3 exam	Unit 3 exam			
Career opportunities Employment Links	LIFE SKILLS: Understanding how to sample an area and use evidence to draw conclusions EMPLOYMENT: DEFRA, Environment agency	LIFE SKILLS: Revision techniques and organisation EMPLOYMENT: Research scientist	LIFE SKILLS: Understanding how thermal energy is transferred EMPLOYMENT: Heating engineer			
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive			
IT Skills	IT1 & IT	2: Research skills and use of appropriate websites for homework and c/w write				
	CLP	DHN	CRE			
Week 31 (w/b 8 <sup>th</sup> May)	Lesson 1: Unit 3: F3 Sampling sizes – plant populations – evaluations Lesson 2: Unit 3: F3 Sampling sizes – plant populations – evaluations	Lesson 1: Unit 12 Learning aim D: Improvements Lesson 2: Unit 12 Learning aim D: Improvements Lesson 3: Unit 12 Learning aim D: Improvements Lesson 4: Unit 12 Learning aim D: Improvements	Lesson 1: Unit 3: H3 Energy usage – SHC of a metal block analysis of results and graphs			
Key Words	Identify, describe, explain, explore, compare, evaluate, abundance, mean,	Identify, describe, explain, explore, compare, evaluate	Identify, describe, explain, explore, compare, evaluate			
Level 3	median, mode, valid, representative sample Biotic, abiotic, quadrat, transect, Chi squared, independent variable, dependent variable, control variable	Pathogen, lymphocyte, phagocyte, humoral response, cell mediated response, immunity, helper T cells, killer T cells, phagocytosis, antibody, antigen	Series, parallel, ammeter, voltmeter, resistor, ohm, diode, current, voltage, thermistor, filament bulb, SHC			
Common Misconceptions	Supporting evaluations & conclusions with evidence	Identified from c/w	Use of SHC equation			
Homework	Unit 3 revision questions	C/W write up	Unit 3 revision questions			
Assessment this	U3 F3 practical write up	U3 LAD: First draft due 28 <sup>th</sup> April	Unit 3 exam			
half-term	Unit 3 exam	U3 LAD: Final version due 19 <sup>th</sup> May U3 exam				
Career opportunities Employment Links	LIFE SKILLS: Understanding how to sample an area and use evidence to draw conclusions  EMPLOYMENT: DEFRA, Environment agency	LIFE SKILLS: Understanding the bodies response to pathogens EMPLOYMENT: Virologist, doctor, nurse, paramedic	LIFE SKILLS: Understanding how thermal energy is transferred EMPLOYMENT: Heating engineer			
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Ommunication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Leadership Presenting Teamwork Problem solving  Literacy Creativity Numeracy Communication Communication Staying positive	Aiming high Literacy Leadership Presenting Teamwork Problem solving Literacy Creativity Literacy Listening Communication Communication Communication Communication Communication Communication Communication Communication			
IT Skills	IT1 & IT	2: Research skills and use of appropriate websites for homework and c/w write	ир			
	CLP	DHN	CRE			
Week 32 (w/b 15 <sup>th</sup> May)	Lesson 1: Sample assessment material review Lesson 2: Sample assessment material review	Lesson 1: Unit 12 Learning aim D: Improvements Lesson 2: Unit 12 Learning aim D: Improvements Lesson 3: Unit 12 Learning aim D: Improvements Lesson 4: Unit 12 Learning aim D: Improvements	Lesson 1: Sample assessment material review			
Key Words Level 2 Level 3	Identify, describe, explain, explore, compare, evaluate Subject specific keywords identified from the pre-release material	Identify, describe, explain, explore, compare, evaluate Pathogen, lymphocyte, phagocyte, humoral response, cell mediated response, immunity, helper T cells, killer T cells, phagocytosis, antibody, antigen	Identify, describe, explain, explore, compare, evaluate Subject specific keywords identified from the pre-release material			
Common Misconceptions	Identified through questioning	Identified from c/w	Identified through questioning			
Homework	Unit 3 revision questions	C/W write up	Unit 3 revision questions			
Assessment this half-term	U3 F3 practical write up Unit 3 exam	U3 LAD: First draft due 28 <sup>th</sup> April U3 LAD: Final version due 19 <sup>th</sup> May U3 exam	Unit 3 exam			
Career opportunities Employment Links	LIFE SKILLS: Revision techniques and organisation EMPLOYMENT: Research scientist	LIFE SKILLS: Understanding the bodies response to pathogens EMPLOYMENT: Virologist, doctor, nurse, paramedic	LIFE SKILLS: Revision techniques and organisation EMPLOYMENT: Research scientist			

Employability Skills	Aiming high Leadership Presenting	<mark>Literacy</mark> Independence Teamwork	Creativity Listening	Numeracy Communication	Aiming high Leadership Presenting	<mark>Literacy</mark> Independence Teamwork	Creativity Listening	Numeracy Communication	Aiming high Leadership Presenting	<mark>Literacy</mark> Independence Teamwork	Creativity Listening	Numeracy Communication
	Problem solving	Staying positive			Problem solving	Staying positive			Problem solving	Staying positive		
IT Skills				IT1 & IT	2: Research skills a	nd use of appropria	ate websites for ho	mework and c/w write	up			
	CLP				DHN				CRE			
Week 33	Lesson 1: Sample	assessment mater	ial review		Lesson 1: Sample	assessment mater	ial review		Lesson 1: Sample	assessment mate	rial review	
(w/b 22 <sup>nd</sup> May)	Lesson 2: Sample	assessment mater	ial review		· ·	assessment mater						
					•	assessment mater						
					Lesson 4: Sample assessment material review							
Key Words		, explain, explore, (			Identify, describe, explain, explore, compare, evaluate			Identify, describe, explain, explore, compare, evaluate				
Level 2	Subject specific ke	eywords identified	from the pre-rele	ase material	Subject specific keywords identified from the pre-release material			Subject specific keywords identified from the pre-release material				
Level 3												
Common	Identified through	n questioning			Identified through questioning			Identified through questioning				
Misconceptions												
Homework												
Assessment this	U3 F3 practical wi	rite up			U3 LAD: First draft due 28 <sup>th</sup> April			Unit 3 exam				
half-term	Unit 3 exam	•			U3 LAD: Final version due 19 <sup>th</sup> May							
					U3 exam							
Career	LIFE SKILLS: Revisi	ion techniques and	organisation		LIFE SKILLS: Revision techniques and organisation			LIFE SKILLS: Revision techniques and organisation				
opportunities	EMPLOYMENT: Re	•			EMPLOYMENT: Research scientist			EMPLOYMENT: Research scientist				
<b>Employment Links</b>												
<b>Employability Skills</b>	Aiming high	<u>Literacy</u>	Creativity	Numeracy Numeracy	Aiming high	<mark>Literacy</mark>	Creativity	Numeracy	Aiming high	<mark>Literacy</mark>	Creativity	Numeracy Numeracy
	•	Independence	Listening	<b>Communication</b>	Leadership	Independence	Listening	<b>Communication</b>	Leadership	Independence	Listening	<b>Communication</b>
		Teamwork			Presenting	Teamwork				Teamwork		
	Problem solving	Staying positive			Problem solving	Staying positive			Problem solving	Staying positive		
IT Skills				IT1 & IT	2: Research skills a	nd use of appropria	ate websites for ho	mework and c/w write	up			