Autumn 1		Year 10		Year 11			
Autumn 1	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)	
Week 1 (w/b Wed 7 th Sept)	Lesson 1: X Lesson 2: HSW Lesson 3: Graph skills	Lesson 1: HSW Lesson 2: Graph skills	X4 Lesson 1: HSW Lesson 2: Graph skills	Lesson 1: X Lesson 2: X Lesson 3: HSW/Graph skills	Lesson 1: X Lesson 2: HSW Lesson 3: Graph skills	Lesson 1: X Lesson 2: HSW Lesson 3: Graph skills	
			X5 Lesson 1 (JAD): HSW Lesson 2 (CLP): Graph skills			X5 Lesson 1 (LS): Graph skills Lesson 2 (CRE): HSW Lesson 3 (CRE): HSW	
Key Words Level 2 Level 3	Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability	Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability	Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability	Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability	Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability	Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability	
Common	Variables the wrong way around,	Variables the wrong way around,	Variables the wrong way around,	Variables the wrong way around,	Variables the wrong way around,	Variables the wrong way around,	
Misconceptions	inappropriate scales on graphs, axis	inappropriate scales on graphs, axis	inappropriate scales on graphs, axis	inappropriate scales on graphs, axis	inappropriate scales on graphs, axis	inappropriate scales on graphs, axis	
Homework	the wrong way around Kerboodle task suitable to ability of	the wrong way around Kerboodle task suitable to ability of	the wrong way around Kerboodle task suitable to ability of	the wrong way around Kerboodle task suitable to ability of	the wrong way around Kerboodle task suitable to ability of	the wrong way around Kerboodle task suitable to ability of	
Homework	group	group.	group.	group.	group.	group.	
Assessment this half-term	Unit test wb 17 th Oct	In class 6 mark questions	In class 6 mark questions	In class 6 mark questions	Unit test wb 17 th Oct	Unit test wb 17 th Oct	
Career opportunities Employment Links	LIFE SKILLS: Understanding how to analyse and interpret data EMPLOYMENT: Analytical scientist, researcher	LIFE SKILLS: Understanding how to analyse and interpret data EMPLOYMENT: Analytical scientist, researcher	LIFE SKILLS: Understanding how to analyse and interpret data EMPLOYMENT: Analytical scientist, researcher	LIFE SKILLS: Understanding how to analyse and interpret data EMPLOYMENT: Analytical scientist, researcher	LIFE SKILLS: Understanding how to analyse and interpret data EMPLOYMENT: Analytical scientist, researcher	LIFE SKILLS: Understanding how to analyse and interpret data EMPLOYMENT: Analytical scientist, researcher	
Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Literacy Numeracy Independence Listening Presenting Problem solving Literacy Numeracy Independence Communication Teamwork	Aiming high Creativity Leadership Literacy Numeracy Leadership Listening Presenting Problem solving Literacy Numeracy Independence Communication Teamwork Problem solving	Aiming high Creativity Leadership Literacy Numeracy Leadership Literacy Numeracy Independence Communication Presenting Teamwork Problem solving	Aiming high Creativity Leadership Literacy Numeracy Leadership Listening Communication Presenting Problem solving Literacy Numeracy Independence Communication Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Literacy Numeracy Independence Communication Teamwork Problem solving	
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	
Week 2 (w/b 12 th Sept)	X1 (Triple) Lesson 1: 4.1.1.1 Eukaryotes and prokaryotes Lesson 2: 4.1.1.2 Animal and plant cells Lesson 3: 4.1.1.3 Cell specialisation	X2/X3 (Combined Higher) Lesson 1: 4.1.1.1 Eukaryotes and prokaryotes Lesson 2: 4.1.1.2 Animal and plant cells	X4/5 (Combined Foundation) X4 Lesson 1: 4.1.1.1 Eukaryotes and prokaryotes Lesson 2: 4.1.1.2 Animal and plant cells X5 Lesson 1 (JAD): 4.1.1.1 Eukaryotes and prokaryotes Lesson 2 (CLP): 4.1.2.1 Chromosomes	X1 (Triple) Lesson 1: 4.7.1.1 Communities Lesson 2: 4.7.1.2 Abiotic factors Lesson 3: 4.7.1.3 Biotic factors	X2 (Combined Higher) Lesson 1: 4.7.1.1 Communities Lesson 2: 4.7.1.2 Abiotic factors Lesson 3: 4.7.1.3 Biotic factors	X3/X4/X5 (Combined Foundation) Lesson 1: 4.7.1.1 Communities Lesson 2: 4.7.1.2 Abiotic factors Lesson 3: 4.7.1.3 Biotic factors X5 Lesson 1 (LS): 4.7.3.1 Biodiversity Lesson 2 (CRE): 4.7.1.1 Communities Lesson 3 (CRE): 4.7.1.2 Abiotic factors	
Key Words Level 2 Level 3	Identify, describe, explain, observe Eukaryotic, prokaryotic, cytoplasm, nucleus, mitochondria, ribosome, palisade, specialised, differentiated, flagella, chloroplast, chlorophyll, vacuole, membrane	Identify, describe, explain, observe Eukaryotic, prokaryotic, cytoplasm, nucleus, mitochondria, ribosome, palisade, specialised, differentiated, flagella, chloroplast, chlorophyll, vacuole, membrane	Identify, describe, explain, observe Eukaryotic, prokaryotic, cytoplasm, nucleus, mitochondria, ribosome, palisade, specialised, differentiated, flagella, chloroplast, chlorophyll, vacuole, membrane, chromosome	Identify, describe, explain Community, habitat, ecosystem, biodiversity, biotic, abiotic, niche, species	Identify, describe, explain Community, habitat, ecosystem, biodiversity, biotic, abiotic, niche, species	Identify, describe, explain Community, habitat, ecosystem, biodiversity, biotic, abiotic, niche, species	

Common	That the nucleus is the 'brain' of	That the nucleus is the 'brain' of	That the nucleus is the 'brain' of	Students just name 'weather' as an	Students just name 'weather' as an	Students just name 'weather' as an
Misconceptions	the cell	the cell	the cell	abiotic factor instead of being	abiotic factor instead of being	abiotic factor instead of being
iviisconceptions	the cen	the cen	the cen	specific	specific	specific
Homework	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of
	group	group.	group.	group.	group.	group.
Assessment this	Unit test wb 17 th Oct	In class 6 mark questions	In class 6 mark questions	In class 6 mark questions	Unit test wb 17 th Oct	Unit test wb 17 th Oct
half-term		an older o mank questions	an stass o mark questions	an stass o mark questions		0
Career opportunities	LIFE SKILLS: Understanding the	LIFE SKILLS: Understanding the	LIFE SKILLS: Understanding the	LIFE SKILLS: Understanding how	LIFE SKILLS: Understanding how	LIFE SKILLS: Understanding how
Employment Links	roles of different cells in the body	roles of different cells in the body	roles of different cells in the body	different factors affect biodiversity	different factors affect biodiversity	different factors affect biodiversity
F - 7	EMPLOYMENT: Cellular biologist	EMPLOYMENT: Cellular biologist	EMPLOYMENT: Cellular biologist	EMPLOYMENT: Ecologist,	EMPLOYMENT: Ecologist,	EMPLOYMENT: Ecologist,
	S	S		environment agency, DEFRA,	environment agency, DEFRA,	environment agency, DEFRA,
				farming	farming	farming
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy
	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy
	Leadership I <mark>ndependence</mark>	Leadership I <mark>ndependence</mark>	Leadership I <mark>ndependence</mark>	Leadership Independence	Leadership Independence	Leadership Independence
	Listening Communication	Listening Communication	Listening Communication	Listening Communication	Listening Communication	Listening Communication
	Presenting Teamwork Problem solving	Presenting Teamwork Problem solving	Presenting Teamwork Problem solving	Presenting Teamwork Problem solving	Presenting Teamwork Problem solving	Presenting Teamwork Problem solving
	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework
	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)
Week 3	Lesson 1: 4.1.1.4 Cell	Lesson 1: 4.1.1.3 Cell specialisation	X4	Lesson 1: 4.7.1.4 Adaptations	Lesson 1: 4.7.1.4 Adaptations	Lesson 1: 4.7.1.4 Adaptations
(w/b 19 th Sept)	differentiation	Lesson 2: 4.1.1.4 Cell	Lesson 1: 4.1.1.3 Cell specialisation	(animals)	(animals)	(animals)
	Lesson 2: 4.1.1.5 Microscopy (pre-	differentiation	Lesson 2: 4.1.1.4 Cell	Lesson 2: 4.7.1.4 Adaptations	Lesson 2: 4.7.1.4 Adaptations	Lesson 2: 4.7.1.4 Adaptations
	prepared cells)		differentiation	(plants)	(plants)	(plants)
	Lesson 3: 4.1.1.5 Microscopy			Lesson 3: Ecology practical	Lesson 3: Ecology practical	Lesson 3: Ecology practical
	(onion cell slides		X5			
			Lesson 1 (JAD): 4.1.1.2 Animal and			X5
			plant cells			Lesson 1 (LS): 4.7.3.2 Waste
			Lesson 2 (CLP): 4.1.2.2 Mitosis and			management
			the cell cycle			Lesson 2 (CRE): 4.7.1.3 Biotic
						factors
						Lesson 3 (CRE): 4.7.1.4 Adaptations
						(animals)
Key Words	Identify, describe, explain, observe,	Identify, describe, explain, observe	Identify, describe, explain, observe	Identify, describe, explain, variable,	Identify, describe, explain, variable,	Identify, describe, explain, variable,
Level 2	calculate	Eukaryotic, prokaryotic, cytoplasm,	Eukaryotic, prokaryotic, cytoplasm,	independent, dependent, control,	independent, dependent, control,	independent, dependent, control,
Level 3	Differentiation, objective lens,	nucleus, mitochondria, ribosome,	nucleus, mitochondria, ribosome,	bias, valid	bias, valid	bias, valid
	focus, magnification, micrometre,	palisade, specialised,	palisade, specialised, differentiated, flagella, chloroplast,	Structural, behavioural, functional,	Structural, behavioural, functional,	Structural, behavioural, functional,
	resolution	differentiated, flagella, chloroplast, chlorophyll, vacuole, membrane	chlorophyll, vacuole, membrane,	adaptation, quadrat, transect	adaptation, quadrat, transect	adaptation, quadrat, transect, biotic, abiotic, behavioural,
		chlorophyn, vacuole, membrane	mitosis, prophase, metaphase,			structural, functional, adaptation
			anaphase, telophase, equator			Structural, functional, adaptation
Common	Students often mix up cell wall and	Students often mix up cell wall and	Students often mix up cell wall and	The only plant with adaptations is a	The only plant with adaptations is a	The only plant with adaptations is a
Misconceptions	cell membrane	cell membrane	cell membrane	cactus	cactus	cactus
	Students often forget how to				0.000	3.55.5
	convert between mm and µm					
Homework	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of
-	group	group.	group.	group.	group.	group.
Assessment this	Unit test wb 17 th Oct	In class 6 mark questions	In class 6 mark questions	In class 6 mark questions	Unit test wb 17 th Oct	Unit test wb 17 th Oct
half-term						
Career opportunities	LIFE SKILLS: Understanding the	LIFE SKILLS: Understanding the	LIFE SKILLS: Understanding the	LIFE SKILLS: Understanding how	LIFE SKILLS: Understanding how	LIFE SKILLS: Understanding how
Employment Links	roles of different cells in the body	roles of different cells in the body	roles of different cells in the body	different factors affect biodiversity	different factors affect biodiversity	different factors affect biodiversity
	EMPLOYMENT: Biomedical	EMPLOYMENT: Biomedical	EMPLOYMENT: Biomedical	EMPLOYMENT: Ecologist,	EMPLOYMENT: Ecologist,	EMPLOYMENT: Ecologist,
	scientist, clinical researcher	scientist, clinical researcher	scientist, clinical researcher	environment agency, DEFRA,	environment agency, DEFRA,	environment agency, DEFRA,
				farming	farming	farming

Employability Skills IT Skills	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Lindependence Communication Teamwork Problem solving Staying positive IT2: Kerboodle homework	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listerious Listening Lommunication Teamwork Problem solving Staying positive IT2: Kerboodle homework	Aiming high Creativity Leadership Literacy Leadership Lindependence Listening Presenting Teamwork Problem solving Staying positive IT2: Kerboodle homework	Aiming high Creativity Leadership Literacy Leadership Lindependence Listening Presenting Teamwork Problem solving Staying positive IT1 & IT2: Using google for research and cameras to photograph practical work for final reports	Aiming high Creativity Leadership Literacy Leadership Lidependence Listening Presenting Teamwork Problem solving Staying positive IT1 & IT2: Using google for research and cameras to photograph practical work for final reports	Aiming high Creativity Numeracy Leadership Listening Presenting Staying positive IT1 & IT2: Using google for research and cameras to photograph practical work for final reports
Week 4 (w/b 26 th Sept)	X1 (Triple) Lesson 1: 4.1.2.1 Chromosomes Lesson 2: 4.1.2.2 Mitosis and the cell cycle	X2/X3 (Combined Higher) Lesson 1: 4.1.1.5 Microscopy (preprepared cells) Lesson 2: 4.1.1.5 Microscopy	X4/5 (Combined Foundation) X4 Lesson 1: 4.1.1.5 Microscopy (preprepared cells)	X1 (Triple) Lesson 1: Ecology practical Lesson 2: 4.7.2.1 Levels of organisation	X2 (Combined Higher) Lesson 1: Ecology practical Lesson 2: 4.7.2.1 Levels of organisation	X3/X4/X5 (Combined Foundation) Lesson 1: Ecology practical Lesson 2: 4.7.2.1 Levels of organisation
	Lesson 3: 4.1.2.3 Stem cells	(onion cell slides	Lesson 2: 4.1.1.5 Microscopy (onion cell slides X5 Lesson 1 (JAD): 4.1.1.3 Cell specialisation Lesson 2 (CLP): 4.1.2.3 Stem cells	Lesson 3: 4.7.2.2 How materials are cycled	Lesson 3: 4.7.2.2 How materials are cycled	Lesson 3: 4.7.2.2 How materials are cycled X5 Lesson 1 (LS): 4.7.3.3 Land use Lesson 2 (CRE): 4.7.1.4 Adaptations (plants) Lesson 3 (CRE): Ecology practical
Key Words Level 2 Level 3	Identify, describe, explain, observe, moral, ethical Differentiation, chromosome, mitosis, prophase, metaphase, anaphase, telophase, equator, chromosome, embryonic	Identify, describe, explain, observe, calculate Objective lens, focus, magnification, micrometre, resolution	Identify, describe, explain, observe, calculate, moral, ethical Objective lens, focus, magnification, micrometre, resolution, differentiation, embryonic	Identify, describe, explain, variable, independent, dependent, control, bias, valid Structural, behavioural, functional, adaptation, quadrat, transect, nutrient, detritivore, recycle	Identify, describe, explain, variable, independent, dependent, control, bias, valid Structural, behavioural, functional, adaptation, quadrat, transect, nutrient, detritivore, recycle	Identify, describe, explain, variable, independent, dependent, control, bias, valid Structural, behavioural, functional, adaptation, quadrat, transect, nutrient, detritivore, recycle
Common Misconceptions	That every species has the same number of chromosomes Students will often have varied views on 'when life begins'	That changing the objective lens will make the image clearer Students often forget how to convert between mm and µm	That changing the objective lens will make the image clearer Students often forget how to convert between mm and µm	That the sun is a producer	That the sun is a producer	That the sun is a producer
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit test wb 17 th Oct	In class 6 mark questions	In class 6 mark questions	In class 6 mark questions	Unit test wb 17 th Oct	Unit test wb 17 th Oct
Career opportunities Employment Links	LIFE SKILLS: Understanding moral and ethical implications EMPLOYMENT: Biomedical scientist, clinical researcher, stem cell therapist	LIFE SKILLS: Understanding the roles of different cells in the body EMPLOYMENT: Biomedical scientist, clinical researcher	LIFE SKILLS: Understanding the roles of different cells in the body Understanding moral and ethical implications EMPLOYMENT: Biomedical scientist, clinical researcher, stem cell therapist	LIFE SKILLS: Understanding how different factors affect biodiversity EMPLOYMENT: Ecologist, environment agency, DEFRA, farming	LIFE SKILLS: Understanding how different factors affect biodiversity EMPLOYMENT: Ecologist, environment agency, DEFRA, farming	LIFE SKILLS: Understanding how different factors affect biodiversity EMPLOYMENT: Ecologist, environment agency, DEFRA, farming
Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Literacy Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Literacy Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Literacy Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Independence Communication Teamwork Presenting Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT1 & IT2: Using google for research and cameras to photograph practical work for final reports	IT1 & IT2: Using google for research and cameras to photograph practical work for final reports	IT1 & IT2: Using google for research and cameras to photograph practical work for final reports

	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)
Week 5	Lesson 1: 4.1.3.1 Diffusion	Lesson 1: 4.1.2.1 Chromosomes	X4	Lesson 1: 4.7.2.3 Decomposition	Lesson 1: 4.7.3.1 Biodiversity	Lesson 1: 4.7.3.1 Biodiversity
(w/b 3 rd Oct)	Lesson 2: 4.1.3.2 Osmosis	Lesson 2: 4.1.2.2 Mitosis and the	Lesson 1: 4.1.2.1 Chromosomes	Lesson 2: 4.7.2.4 Impact of	Lesson 2: 4.7.3.2 Waste	Lesson 2: 4.7.3.2 Waste
	Lesson 3: 4.1.3.2 Osmosis prac	cell cycle	Lesson 2: 4.1.2.2 Mitosis and the	environmental change	management	management
			cell cycle	Lesson 3: 4.7.3.1 Biodiversity	Lesson 3: 4.7.3.3 Land use	Lesson 3: 4.7.3.3 Land use
			X5			X5
			Lesson 1 (JAD): 4.1.1.4 Cell			Lesson 1 (LS): 4.7.3.4 Deforestation
			differentiation			Lesson 2 (CRE): Ecology practical
			Lesson 2 (CLP): 4.1.3.1 Diffusion			Lesson 3 (CRE): 4.7.2.1 Levels of
						organisation
Key Words	Identify, describe, explain, observe,	Identify, describe, explain, observe	Identify, describe, explain, observe	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain, variable,
Level 2	calculate Diffusion concentration gradient	Differentiation, chromosome,	Differentiation, chromosome,	biodiversity, species, decomposer,	biodiversity, species	independent, dependent, control,
Level 3	Diffusion, concentration gradient, partially permeable membrane,	mitosis, prophase, metaphase, anaphase, telophase, equator,	mitosis, prophase, metaphase, anaphase, telophase, equator,	detritivore		bias, valid quadrat, transect, nutrient,
	osmosis	chromosome	chromosome			detritivore, recycle, deforestation,
	USITIOSIS	Ciriomosome	Chromosome			trophic, biodiversity, species
Common	Students often forget to relate	That every species has the same	That every species has the same	That decomposers only break	The % of waste that can be	The % of waste that can be
Misconceptions	sugar or salt concentration to the	number of chromosomes	number of chromosomes	down faeces	recycled	recycled
	water content					
Homework	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of
	group	group.	group.	group.	group.	group.
Assessment this	Unit test wb 17 th Oct	In class 6 mark questions	In class 6 mark questions	In class 6 mark questions	Unit test wb 17 th Oct	Unit test wb 17 th Oct
half-term						
Career opportunities	LIFE SKILLS: Understanding	LIFE SKILLS: Understanding how	LIFE SKILLS: Understanding how	LIFE SKILLS: Understanding how to	LIFE SKILLS: Learning the different	LIFE SKILLS: Learning the different
Employment Links	particles can spread	cells replicate	cells replicate	make compost and the impact of	land uses	land uses
	EMPLOYMENT: Cellular biologist,	EMPLOYMENT: Geneticist	EMPLOYMENT: Geneticist	climate change	EMPLOYMENT: Environment	EMPLOYMENT: Environment
	chef			EMPLOYMENT: Environment	agency, DEFRA	agency, DEFRA
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	agency, DEFRA Aiming high Literacy	Aiming high Literacy	Aiming high Literacy
Limployability Skills	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy
	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence
	Listening Communication	Listening Communication	Listening Communication	Listening Communication	Listening Communication	Listening Communication
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork
	Problem solving	Problem solving Staying positive	Problem solving	Problem solving Staying positive	Problem solving	Problem solving
IT Skills	Staying positive IT2: Kerboodle homework	IT2: Kerboodle homework	Staying positive IT2: Kerboodle homework	IT2: Kerboodle homework	Staying positive IT2: Kerboodle homework	Staying positive IT2: Kerboodle homework
11 SKIIIS	112. Ref boodie Homework	112. Kerboodie Homework	112. Kerboodie Homework	112. Kerboodie Homework	112. Refboodie floriework	112. Kerboodie Homework
	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)
Week 6	Lesson 1: 4.1.3.3 Active transport	Lesson 1: 4.1.2.3 Stem cells	X4	Lesson 1: 4.7.3.2 Waste	Lesson 1: 4.7.3.4 Deforestation	Lesson 1: 4.7.3.4 Deforestation
(w/b 10 th Oct)	Lesson 2: Unit review	Lesson 2: 4.1.3.1 Diffusion	Lesson 1: 4.1.2.3 Stem cells	management	Lesson 2: 4.7.3.5 Global warming	Lesson 2: 4.7.3.5 Global warming
	Lesson 3: Unit review		Lesson 2: 4.1.3.1 Diffusion	Lesson 2: 4.7.3.3 Land use	Lesson 3: 4.7.3.6 Maintaining	Lesson 3: 4.7.3.6 Maintaining
				Lesson 3: 4.7.3.4 Deforestation	biodiversity	biodiversity
			X5			
			Lesson 1 (JAD): 4.1.1.5 Microscopy			X5
			(pre-prepared cells)			Lesson 1 (LS): 4.7.3.5 Global
			Lesson 2 (CLP): 4.1.3.2 Osmosis			warming
						Lesson 2 (CRE): 4.7.2.2 How
						materials are cycled
Key Words	Identify, describe, explain	Identify, describe, explain, observe,	Identify, describe, explain, observe,	Identify, describe, explain,	Identify, describe, explain,	Lesson 3 (CRE): Unit review Identify, describe, explain,
Level 2	ATP, concentration gradient,	moral, ethical	calculate, moral, ethical	deforestation	deforestation, global warming,	deforestation, global warming,
Level 3	nutrient	Embryonic, diffusion,	Embryonic, diffusion,	ac.orestation	ozone, biodiversity	ozone, biodiversity
		concentration gradient, partially	concentration gradient, partially			
		permeable membrane	permeable membrane, objective			
			lens, focus, magnification,			

			micrometre, resolution, differentiation, osmosis			
Common Misconceptions	Students forget that active transport also occurs in plants	Students will often have varied views on 'when life begins'	Students will often have varied views on 'when life begins' Students often forget to relate sugar or salt concentration to the water content That changing the objective lens will make the image clearer Students often forget how to convert between mm and µm	All trees that are cut down get replaced	Global warming is a one off phenomenon	Global warming is a one off phenomenon
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit test wb 17 th Oct	In class 6 mark questions	In class 6 mark questions	In class 6 mark questions	Unit test wb 17 th Oct	Unit test wb 17 th Oct
Career opportunities Employment Links	LIFE SKILLS: Understanding how plants absorb nutrients EMPLOYMENT: Horticulturist, agriculture	LIFE SKILLS: Understanding moral and ethical viewpoints EMPLOYMENT: Geneticist	LIFE SKILLS: Understanding moral and ethical viewpoints EMPLOYMENT: Geneticist	LIFE SKILLS: Understanding the importance of forestry management EMPLOYMENT: National trust, forestry commission, Iggesund	LIFE SKILLS: Understanding the importance of forestry management EMPLOYMENT: National trust, forestry commission, Iggesund	LIFE SKILLS: Understanding the importance of forestry management EMPLOYMENT: National trust, forestry commission, Iggesund
Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive	Aiming high Creativity Leadership Literacy Leadership Literacy Numeracy Independence Communication Presenting Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Independence Communication Teamwork Teamwork
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework
Week 7 (w/b 17 th Oct)	X1 (Triple) Lesson 1: Unit test Lesson 2: Exemplars Lesson 3: Feedback	X2/X3 (Combined Higher) Lesson 1: 4.1.3.2 Osmosis Lesson 2: 4.1.3.2 Osmosis prac	X4/5 (Combined Foundation) X4 Lesson 1: 4.1.3.2 Osmosis Lesson 2: 4.1.3.2 Osmosis prac X5 Lesson 1 (JAD): 4.1.1.5 Microscopy (onion cells) Lesson 2 (CLP): 4.1.3.2 Osmosis prac	X1 (Triple) Lesson 1: 4.7.3.5 Global warming Lesson 2: 4.7.3.6 Maintaining biodiversity Lesson 3: 4.7.4.1/4.7.4.2 Trophic levels and pyramids of biomass	X2 (Combined Higher) Lesson 1: Unit review Lesson 2: Unit test Lesson 3: Exemplars	X3/X4/X5 (Combined Foundation) Lesson 1: Unit review Lesson 2: Unit test Lesson 3: Exemplars X5 Lesson 1 (LS): 4.7.3.6 Maintaining biodiversity Lesson 2 (CRE): Unit test Lesson 3 (CRE): Exemplars
Key Words Level 2 Level 3	Identify, describe, explain, evaluate, calculate	Identify, describe, explain, observe, calculate Concentration gradient, partially permeable membrane, osmosis	Identify, describe, explain, observe, calculate Concentration gradient, partially permeable membrane, objective lens, focus, magnification, micrometre, resolution, differentiation, osmosis	Identify, describe, explain, global warming, ozone, biodiversity, trophic level, consumer, producer, herbivore, carnivore, biomass	Identify, describe, explain, evaluate, calculate	Identify, describe, explain, evaluate, calculate
Common Misconceptions	Identified from assessment	Students often forget to relate sugar or salt concentration to the water content	Students often forget to relate sugar or salt concentration to the water content That changing the objective lens will make the image clearer Students often forget how to convert between mm and µm	Global warming is a one off phenomenon	Identified from assessment	Identified from assessment
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.

Assessment this			In class 6 mark	questions	In class 6 mark	questions	In class 6 mark	questions				
half-term												
Career opportunities	LIFE SKILLS: Resi	llience	LIFE SKILLS: Und	derstanding	LIFE SKILLS: Un	derstanding	LIFE SKILLS: Un	derstanding the	LIFE SKILLS: Res	silience	LIFE SKILLS: Res	ilience
Employment Links	EMPLOYMENT:	Biomedical scientist	particles can sp	read	particles can sp	oread	causes and imp	act of global	EMPLOYMENT:	Environment	EMPLOYMENT:	Environment
			EMPLOYMENT:	Cellular biologist,	EMPLOYMENT	: Cellular biologist,	warming		agency, DEFRA		agency, DEFRA	
			chef		chef		EMPLOYMENT:	Environment				
							agency, DEFRA					
Employability Skills	Aiming high	<mark>Literacy</mark>	Aiming high	<mark>Literacy</mark>	Aiming high	<mark>Literacy</mark>	Aiming high	Literacy	Aiming high	<mark>Literacy</mark>	Aiming high	Literacy
	Creativity	Numeracy	Creativity	Numeracy	Creativity	Numeracy	Creativity	Numeracy	Creativity	Numeracy	Creativity	Numeracy
	Leadership	Independence	Leadership	Independence	Leadership	Independence	Leadership	Independence	Leadership	Independence	Leadership	Independence
	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication
	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork
	Problem solving		Problem solving		Problem solving		Problem solving		Problem solving		Problem solving	
	Staying positive	e	Staying positive		Staying positive		Staying positive		Staying positive		Staying positive	
IT Skills	IT2: Kerboodle h	nomework	IT2: Kerboodle	homework	IT2: Kerboodle	homework	IT2: Kerboodle	homework	IT2: Kerboodle	homework	IT2: Kerboodle	homework

Autumn 2		Year 10		Year 11			
Autuiiii Z	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)	
Week 8 (w/b 31 st Oct)	Lesson 1: 4.2.1.1 Principles of organisation Lesson 2: 4.2.2.1 The human digestive system – structure and function Lesson 3: 4.2.2.1 The human digestive system – enzymes	Lesson 1: 4.1.3.3 Active transport Lesson 2: Unit review	X4 Lesson 1: 4.1.3.3 Active transport Lesson 2: Unit review X5 Lesson 1 (JAD): Unit review Lesson 2 (CLP): 4.1.3.3 Active transport	Mock exams	Mock exams	Mock exams	
Key Words Level 2 Level 3	Identify, describe, explain Enzyme, amylase, protease, lipase, oesophagus, stomach, pancreas, liver, intestine, rectum, denature, optimum	Identify, describe, explain Concentration gradient	Identify, describe, explain Concentration gradient	Identify, evaluate, compare, explain, suggest Subject specific drawn out from mock exam	Identify, evaluate, compare, explain, suggest Subject specific drawn out from mock exam	Identify, evaluate, compare, explain, suggest Subject specific drawn out from mock exam	
Common Misconceptions	That all food is digested at the same rate The hotter it is the faster the enzymes work	That active transport only occurs in the gut	That active transport only occurs in the gut	Identified from exam	Identified from exam	Identified from exam	
Homework	Kerboodle/Everlearner task suitable to ability of group	Kerboodle/Everlearner task suitable to ability of group.	Kerboodle/Everlearner task suitable to ability of group.	Kerboodle/Everlearner task suitable to ability of group.	Kerboodle/Everlearner task suitable to ability of group.	Kerboodle/Everlearner task suitable to ability of group.	
Assessment this half-term	w/b 5 th Dec	Unit test w/b 7 th Nov	Unit test w/b 7 th Nov	Mock exam fortnight	Mock exam fortnight	Mock exam fortnight	
Career opportunities Employment Links	LIFE SKILLS: Understanding how different food groups are digested EMPLOYMENT: Dietician, personal trainer, nutritionist	LIFE SKILLS: Understanding how nutrients are absorbed in the gut EMPLOYMENT: Dietician	LIFE SKILLS: Understanding how nutrients are absorbed in the gut EMPLOYMENT: Dietician	LIFE SKILLS: Resilience EMPLOYMENT: Biomedical scientist, teacher, doctor, nurse, vet	LIFE SKILLS: Resilience EMPLOYMENT: Biomedical scientist, teacher, doctor, nurse, vet	LIFE SKILLS: Resilience EMPLOYMENT: Biomedical scientist, teacher, doctor, nurse, vet	
Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Literacy Leadership Lindependence Listening Communication Presenting Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Pramwork Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Problem solving Staying positive	
IT Skills	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	

	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)
Week 9 (w/b 7 th Nov)	Lesson 1: 4.2.2.1 The human digestive system – food tests Lesson 2: 4.2.2.2 – The heart – dissection demo Lesson 3: 4.2.2.2 – Blood vessels	Lesson 1: Unit review Lesson 2: Unit test	X4 Lesson 1: Unit review Lesson 2: Unit test X5 Lesson 1 (JAD): Unit review Lesson 2 (CLP): Unit review	Mock exams	Mock exams	Mock exams
Key Words	Identify, describe, explain	Identify, evaluate, compare,	Identify, evaluate, compare,	Identify, evaluate, compare,	Identify, evaluate, compare,	Identify, evaluate, compare,
Level 3	Benedicts, biuret, ethanol, ventricle, atrium, artery, vein, capillary, pulmonary, vena cava, aorta, valve	explain, suggest	explain, suggest	explain, suggest Subject specific drawn out from mock exam	explain, suggest Subject specific drawn out from mock exam	explain, suggest Subject specific drawn out from mock exam
Common Misconceptions	All hearts have the same structure	Identified from assessment	Identified from assessment	Identified from exam	Identified from exam	Identified from exam
Homework	Kerboodle/Everlearner task suitable to ability of group	Kerboodle/Everlearner task suitable to ability of group.	Kerboodle/Everlearner task suitable to ability of group.	Kerboodle/Everlearner task suitable to ability of group.	Kerboodle/Everlearner task suitable to ability of group.	Kerboodle/Everlearner task suitable to ability of group.
Assessment this half-term	w/b 5 th Dec	Unit test w/b 7 th Nov	Unit test w/b 7 th Nov	Mock exam fortnight	Mock exam fortnight	Mock exam fortnight
Career opportunities	LIFE SKILLS: Understanding how the	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience
Employment Links	heart pumps blood around the body EMPLOYMENT: Dietician, personal trainer, nutritionist, cardiac specialist	EMPLOYMENT: Biomedical scientist, teacher, doctor, nurse, vet	EMPLOYMENT: Biomedical scientist, teacher, doctor, nurse, vet	EMPLOYMENT: Biomedical scientist, teacher, doctor, nurse, vet	EMPLOYMENT: Biomedical scientist, teacher, doctor, nurse, vet	EMPLOYMENT: Biomedical scientist, teacher, doctor, nurse, vet
Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Communication Presenting Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listenacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Pramwork
IT Skills	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework
	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)
Week 10 (w/b 14 th Nov)	Lesson 1: 4.2.2.3 – The blood Lesson 2: 4.2.2.4 – Coronary heart disease Lesson 3: 4.2.2.5 – Health issues	Lesson 2: Feedback	X4 Lesson 1: Exemplars Lesson 2: Feedback X5 Lesson 1 (JAD): Unit test	Lesson 1: 4.7.4.3 – Transfer of biomass Lesson 2: 4.7.5.1 – Factors affecting food security Lesson 3: 4.7.5.2 – Farming techniques	Lesson 1: 4.6.1.1 – Sexual and asexual reproduction Lesson 2: 4.6.1.2 - Meiosis Lesson 3: 4.6.1.3 – DNA and the genome	Lesson 1: 4.6.1.1 – Sexual and asexual reproduction Lesson 2: 4.6.1.2 - Meiosis Lesson 3: 4.6.1.3 – DNA and the genome
			Lesson 2 (CLP): 4.2.1.1 – Principles of organisation			X5 Lesson 1 (LS): 4.6.1.1 – Sexual and asexual reproduction Lesson 2 (CRE): 4.6.2.1 - Variation Lesson 3 (CRE): 4.6.2.2 - Evolution
Key Words Level 2 Level 3	Identify, describe, explain Plasma, platelet, haemoglobin, phagocyte, lymphocyte	Identify, evaluate, compare, explain, suggest	Identify, evaluate, compare, explain, suggest	Identify, describe, explain Biomass, energy	Identify, describe, explain Sexual, variation, inheritance, asexual, anther, pollen, sperm, chromosome, meiosis	Identify, describe, explain Sexual, variation, inheritance, asexual, anther, pollen, sperm, chromosome, meiosis
Common Misconceptions	Only diet and smoking can cause CHD	Identified from assessment	Identified from assessment	Understanding that biomass is dry mass	That masturbation is asexual reproduction	That masturbation is asexual reproduction

Homovioule	Karbaadla/Evarlaarnar task	Karbaadla/Eyarlaarnar task	Karbaadla/Evarlaarnar task	Karbaadla/Evarlaarnar task	Kerboodle/Everlearner task	Karbaadla/Eugriaarnar task
Homework	Kerboodle/Everlearner task	Kerboodle/Everlearner task suitable to ability of group.	Kerboodle/Everlearner task	Kerboodle/Everlearner task	1	Kerboodle/Everlearner task
Accessore this	suitable to ability of group	, , ,	suitable to ability of group.	suitable to ability of group.	suitable to ability of group.	suitable to ability of group.
Assessment this half-term	w/b 5 th Dec	6-mark question in class	6-mark question in class	Unit test w/b 28 th Nov	Unit test w/b 19 th Dec	Unit test w/b 19 th Dec
Career opportunities	LIFE SKILLS: Understanding how the	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIEE CVIII C. Understanding where	LIFE SKILLS: Understanding how	LIFE SKILLS: Understanding how
• •	heart pumps blood around the	EMPLOYMENT: Biomedical	EMPLOYMENT: Biomedical	LIFE SKILLS: Understanding where our food comes from	characteristics are inherited	characteristics are inherited
Employment Links				EMPLOYMENT: Factory worker,	EMPLOYMENT: Geneticist, fertility	EMPLOYMENT: Geneticist, fertility
	body	scientist, teacher, doctor, nurse,	scientist, teacher, doctor, nurse,	•	1	-
	EMPLOYMENT: Dietician, personal	vet	vet	fruit picker, fisherman, farmer	doctor	doctor
	trainer, nutritionist, cardiac					
5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	specialist, phlebotomist	Aireign bink	Attaches Intelligence	Ainsin a biah	Alasia a biah	Aireire bieb
Employability Skills	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy
	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence
	Listening Communication	Listening	Listening Communication	Listening Communication	Listening Communication	Listening Communication
	Presenting Teamwork	Communication	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork
	Problem solving	Presenting Teamwork	Problem solving	Problem solving	Problem solving	Problem solving
	Staying positive	Problem solving	Staying positive	Staying positive	Staying positive	Staying positive
	,	Staying positive				, .
IT Skills	IT2: Kerboodle/Everlearner	IT2: Kerboodle/Everlearner	IT2: Kerboodle/Everlearner	IT2: Kerboodle/Everlearner	IT2: Kerboodle/Everlearner	IT2: Kerboodle/Everlearner
	homework	homework	homework	homework	homework	homework
	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)
Week 11	Lesson 1: 4.2.2.6 – The effect of	Lesson 1: 4.2.1.1 – Principles of	X4	Lesson 1: 4.7.5.3 – Sustainable	Lesson 1: 4.6.1.4 – Genetic	Lesson 1: 4.6.1.4 – Genetic
(w/b 21 st Nov)	lifestyle on non-communicable	organisation	Lesson 1: 4.2.1.1 – Principles of	fisheries	inheritance	inheritance
,	disease	Lesson 2: 4.2.2.1 – The human	organisation	Lesson 2: 4.7.5.4 – Role of	Lesson 2: 4.6.1.5 – Inherited	Lesson 2: 4.6.1.5 – Inherited
	Lesson 2: 4.2.2.7 – Cancer	digestive system – structure and	Lesson 2: 4.2.2.1 – The human	biotechnology	disorders	disorders
	Lesson 3: 4.2.3.1 – Plant tissues	function	digestive system – structure and	Lesson 3: Unit review	Lesson 3: 4.6.1.6 – Sex	Lesson 3: 4.6.1.6 – Sex
			function		determination	determination
			X5			X5
			Lesson 1 (JAD): Feedback			Lesson 1 (LS): 4.6.1.2 - Meiosis
			Lesson 2 (CLP): 4.2.2.1 – The			Lesson 2 (CRE): 4.6.2.3 – Selective
			human digestive system – structure			breeding
			and function			Lesson 3 (CRE): 4.6.2.4 – Genetic
						engineering
Key Words	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain
Level 2	Malignant, benign, metastasise,	Enzyme, amylase, protease,	Enzyme, amylase, protease, lipase,	Quota, sustainable, biotechnology,	Sexual, variation, inheritance,	Sexual, variation, inheritance,
Level 3	phloem, xylem, sieve tube	lipase, oesophagus, stomach,	oesophagus, stomach, pancreas,	anaerobic	asexual, anther, pollen, sperm,	asexual, anther, pollen, sperm,
		pancreas, liver, intestine,	liver, intestine, rectum, denature,		chromosome, meiosis, genome,	chromosome, meiosis, genome,
		rectum, denature, optimum	optimum		chromosome, inheritance, gamete,	chromosome, inheritance, gamete,
					homozygous, heterozygous	homozygous, heterozygous
Common	All lumps are cancer	All food is digested at the same	All food is digested at the same	All countries have the same laws	That all babies have the same	That all babies have the same
Misconceptions	'	rate	rate	and legislations	genetic code if they have the same	genetic code if they have the same
					parents	parents
Homework	Kerboodle/Everlearner task	Kerboodle/Everlearner task	Kerboodle/Everlearner task	Kerboodle/Everlearner task	Kerboodle/Everlearner task	Kerboodle/Everlearner task
	suitable to ability of group	suitable to ability of group.	suitable to ability of group.	suitable to ability of group.	suitable to ability of group.	suitable to ability of group.
Assessment this	w/b 5 th Dec	6 mark question in class	6 mark question in class	Unit test w/b 28 th Nov	Unit test w/b 19 th Dec	Unit test w/b 19 th Dec
half-term	11,23 200	o mank question in class	o mark question in slass		5 test 11, 2 13 Bee	ome test w/s 15 Bee
Career opportunities	LIFE SKILLS: Understanding how	LIFE SKILLS: Understanding how	LIFE SKILLS: Understanding how	LIFE SKILLS: Understanding where	LIFE SKILLS: Understanding how	LIFE SKILLS: Understanding how
Employment Links	cancer can develop and be treated	different food groups are	different food groups are digested	our food comes from	different species reproduce	different species reproduce
p.oyciic Liilko	EMPLOYMENT: Cancer nurse,	digested	EMPLOYMENT: Dietician, personal	EMPLOYMENT: Factory worker,	EMPLOYMENT: Fertility doctor	EMPLOYMENT: Fertility doctor
	palliative care, hospice worker,	EMPLOYMENT: Dietician,	trainer, nutritionist	fruit picker, fisherman, farmer	Z Zorivizivi i crainty doctor	Z 20 THE PATE OF CHILLY GOODS
	researcher	personal trainer, nutritionist	admer, national	are process, noncerman, farmer		
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy
Linking aniity Skills	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy
	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence
	Listening Communication	Listening	Listening Communication	Listening Communication	Listening Communication	Listening Communication
				- 0	0	- 0

IT Skills	Presenting Teamwork Problem solving Staying positive IT2: Kerboodle/Everlearner homework	Communication Presenting Teamwork Problem solving Staying positive IT2: Kerboodle/Everlearner homework	Presenting Teamwork Problem solving Staying positive IT2: Kerboodle/Everlearner homework	Presenting Teamwork Problem solving Staying positive IT2: Kerboodle/Everlearner homework	Presenting Teamwork Problem solving Staying positive IT2: Kerboodle/Everlearner homework	Presenting Teamwork Problem solving Staying positive IT2: Kerboodle/Everlearner homework
	Homework	Homework	Homework	Homework	Homework	Homework
Week 12 (w/b 28 th Nov)	X1 (Triple) Lesson 1: 4.2.3.2 – Plant organ systems Lesson 2: Unit review Lesson 3: Unit review	X2/X3 (Combined Higher) Lesson 1: 4.2.2.1 – The human digestive system – enzymes Lesson 2: 4.2.2.1 – The human digestive system – food tests	X4/5 (Combined Foundation) X4 Lesson 1: 4.2.2.1 – The human digestive system – enzymes Lesson 2: 4.2.2.1 – The human digestive system – food tests X5 Lesson 1 (JAD): 4.2.2.2 – The heart – dissection demo Lesson 2 (CLP): 4.2.2.1 – The human digestive system – enzymes	X1 (Triple) Lesson 1: Unit test Lesson 2: Exemplars Lesson 3: Feedback	X2 (Combined Higher) Lesson 1: 4.6.2.1 - Variation Lesson 2: 4.6.2.2 - Evolution Lesson 3: 4.6.2.3 - Selective breeding	X3/X4/X5 (Combined Foundation) Lesson 1: 4.6.2.1 - Variation Lesson 2: 4.6.2.2 - Evolution Lesson 3: 4.6.2.3 - Selective breeding X5 Lesson 1 (LS): 4.6.1.3 - DNA and the genome Lesson 2 (CRE): 4.6.3.1 - Evidence for evolution Lesson 3 (CRE): 4.6.3.2 - Fossils
Key Words Level 2 Level 3	Identify, describe, explain phloem, xylem, sieve tube	Identify, describe, explain Enzyme, amylase, protease, lipase, oesophagus, stomach, pancreas, liver, intestine, rectum, denature, optimum Benedicts, biuret, ethanol	Identify, describe, explain Enzyme, amylase, protease, lipase, oesophagus, stomach, pancreas, liver, intestine, rectum, denature, optimum Benedicts, biuret, ethanol	Identify, evaluate, compare, explain, suggest	Identify, describe, explain Darwin, Lamarck, survival, favourable, inherited, fertile,	Identify, describe, explain Darwin, Lamarck, survival, favourable, inherited, fertile,
Common Misconceptions	Plants don't have organs (pupils sometimes believe organs are hearts and lungs)	The hotter it is, the faster the reaction Cold temperatures denature enzymes	The hotter it is, the faster the reaction Cold temperatures denature enzymes	Identified from assessment	Selective breeding and IVF are the same thing Evolution doesn't exist	Selective breeding and IVF are the same thing Evolution doesn't exist
Homework	Kerboodle/Everlearner task suitable to ability of group	Kerboodle/Everlearner task suitable to ability of group.	Kerboodle/Everlearner task suitable to ability of group.	Kerboodle/Everlearner task suitable to ability of group.	Kerboodle/Everlearner task suitable to ability of group.	Kerboodle/Everlearner task suitable to ability of group.
Assessment this half-term	w/b 5 th Dec	6 mark question in class	6 mark question in class	6 mark question in class	Unit test w/b 19 th Dec	Unit test w/b 19 th Dec
Career opportunities Employment Links	LIFE SKILLS: Understanding how plants get their nutrients EMPLOYMENT: Horticulturist, farmer	LIFE SKILLS: Understanding how different food groups are digested EMPLOYMENT: Dietician, personal trainer, nutritionist	LIFE SKILLS: Understanding how different food groups are digested EMPLOYMENT: Dietician, personal trainer, nutritionist	LIFE SKILLS: Resilience EMPLOYMENT: Biomedical scientist, teacher, doctor, nurse, vet	LIFE SKILLS: Understanding how characteristics are inherited EMPLOYMENT: Geneticist	LIFE SKILLS: Understanding how characteristics are inherited EMPLOYMENT: Geneticist
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Communication Presenting Problem solving Staying positive	Aiming high Creativity Leadership Literacy Numeracy Leadership Independence Communication Presenting Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Pramwork Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork
IT Skills	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework
Week 13 (w/b 5 th Dec)	X1 (Triple) Lesson 1: Unit test Lesson 2: Exemplars Lesson 3: Feedback	X2/X3 (Combined Higher) Lesson 1: 4.2.2.2 – The heart – dissection demo Lesson 2: 4.2.2.2 – Blood vessels	X4/5 (Combined Foundation) X4 Lesson 1: 4.2.2.2 – The heart – dissection demo Lesson 2: 4.2.2.2 – Blood vessels X5	X1 (Triple) Lesson 1: 4.6.1.1 – Sexual and asexual reproduction Lesson 2: 4.6.1.2 – Meiosis Lesson 3: 4.6.1.3 – Advantages and disadvantages of asexual reproduction	X2 (Combined Higher) Lesson 1: 4.6.2.4 – Genetic engineering Lesson 2: 4.6.3.1 – Evidence for evolution Lesson 3: 4.6.3.2 - Fossils	X3/X4/X5 (Combined Foundation) Lesson 1: 4.6.2.4 – Genetic engineering Lesson 2: 4.6.3.1 – Evidence for evolution Lesson 3: 4.6.3.2 - Fossils X5

Key Words Level 2 Level 3	Identify, evaluate, compare, explain, suggest	Identify, describe, explain ventricle, atrium, artery, vein, capillary, pulmonary, vena cava, aorta, valve	Lesson 1 (JAD): 4.2.2.2 – Blood vessels Lesson 2 (CLP): 4.2.2.1 – The human digestive system – food tests Identify, describe, explain Benedicts, biuret, ethanol, ventricle, atrium, artery, vein, capillary, pulmonary, vena cava, aorta, valve	Identify, describe, explain Sexual, asexual, meiosis, chromosome, prophase, metaphase, anaphase, telophase	Identify, describe, explain Fossil, sedimentary, extinction, natural selection, favourable, reproduce, plasmid	Lesson 1 (LS): 4.6.1.4 – Genetic inheritance Lesson 2 (CRE): 4.6.3.3 - Extinction Lesson 3 (CRE): 4.6.3.4 – Resistant bacteria Identify, describe, explain Fossil, sedimentary, extinction, natural selection, favourable, reproduce, plasmid
Common	Identified from assessment	All hearts have the same	All hearts have the same structure	That masturbation is asexual	Evolution doesn't exist	Evolution doesn't exist
Misconceptions		structure		reproduction		
Homework	Kerboodle/Everlearner task	Kerboodle/Everlearner task	Kerboodle/Everlearner task	Kerboodle/Everlearner task	Kerboodle/Everlearner task	Kerboodle/Everlearner task
Assessment this	suitable to ability of group Unit test w/b 5 th Dec	suitable to ability of group.	suitable to ability of group. 6-mark question in class	suitable to ability of group.	suitable to ability of group. Unit test w/b 19 th Dec	suitable to ability of group. Unit test w/b 19 th Dec
half-term	·	6-mark question in class	·	6-mark question in class	·	•
Career opportunities Employment Links	LIFE SKILLS: Resilience EMPLOYMENT: Biomedical scientist, teacher, doctor, nurse, vet	the heart pumps blood around the body EMPLOYMENT: Dietician, personal trainer, nutritionist, cardiac specialist	LIFE SKILLS: Understanding how the heart pumps blood around the body EMPLOYMENT: Dietician, personal trainer, nutritionist, cardiac specialist	LIFE SKILLS: Understanding how our cells replicate EMPLOYMENT: Geneticist	LIFE SKILLS: Understanding how fossils are formed EMPLOYMENT: Evolutionary biologist	LIFE SKILLS: Understanding how fossils are formed EMPLOYMENT: Evolutionary biologist
Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	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 Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Communication Presenting Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Pramwork Staying positive
IT Skills	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework
	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)
Week 14 (w/b 12 th Dec)	Lesson 1: 4.3.1.1 – Communicable disease Lesson 2: 4.3.1.2 – Viral disease Lesson 3: 4.3.1.3 – Bacterial disease	Lesson 1: 4.2.2.3 – The blood Lesson 2: 4.2.2.4 – Coronary heart disease	X4 Lesson 1: 4.2.2.3 – The blood Lesson 2: 4.2.2.4 – Coronary heart disease X5 Lesson 1 (JAD): 4.2.2.3 – The blood Lesson 2 (CLP): 4.2.3.1 – Plant tissues	Lesson 1: 4.6.1.4 – DNA and the genome Lesson 2: 4.6.1.5 – DNA structure Lesson 3: 4.6.1.6 – Genetic inheritance	Lesson 1: 4.6.3.3 - Extinction Lesson 2: 4.6.3.4 - Resistant bacteria Lesson 3: 4.6.4 - Classification of organisms	Lesson 1: 4.6.3.3 - Extinction Lesson 2: 4.6.3.4 - Resistant bacteria Lesson 3: 4.6.4 - Classification of organisms X5 Lesson 1 (LS): 4.6.1.5 Inherited disorders & sex determination Lesson 2 (CRE): 4.6.4 - Classification Lesson 3 (CRE): Unit review
Key Words Level 2 Level 3	Identify, describe, explain Infectious, contagious, bacteriophage	Identify, describe, explain Plasma, platelet, haemoglobin, phagocyte, lymphocyte	Identify, describe, explain Plasma, platelet, haemoglobin, phagocyte, lymphocyte, phloem, xylem, sieve tube	Identify, describe, explain Genome, nucleotide, inheritance, heterozygous, homozygous, dominant, recessive	Identify, describe, explain Extinction, evolution, kingdom, phylum, class, order, family, genus, species	Identify, describe, explain Extinction, evolution, kingdom, phylum, class, order, family, genus, species, inheritance, heterozygous, homozygous, dominant, recessive
Common	That all bacteria are harmful	That only diet and smoking can	That only diet and smoking can	Every species has the same number	That any species can breed	That any species can breed
Misconceptions	W 1 11 /6	cause CHD	cause CHD	of chromosomes	together	together
Homework	Kerboodle/Everlearner task	Kerboodle/Everlearner task	Kerboodle/Everlearner task	Kerboodle/Everlearner task	Kerboodle/Everlearner task	Kerboodle/Everlearner task
Assessment this half-term	suitable to ability of group 6 mark question in class	suitable to ability of group. 6 mark question in class	suitable to ability of group. 6 mark question in class	suitable to ability of group. 6 mark question in class	suitable to ability of group. Unit test w/b 19 th Dec	suitable to ability of group. Unit test w/b 19 th Dec

Career opportunities Employment Links	LIFE SKILLS: Understanding how diseases can spread EMPLOYMENT: Doctor, nurse, health care worker, pharmacist	LIFE SKILLS: Understanding how the heart pumps blood around the body EMPLOYMENT: Dietician, personal trainer, nutritionist, cardiac specialist	LIFE SKILLS: Understanding how the heart pumps blood around the body EMPLOYMENT: Dietician, personal trainer, nutritionist, cardiac specialist, phlebotomist	LIFE SKILLS: Understanding how characteristics are inherited EMPLOYMENT: Fertility doctor	LIFE SKILLS: Understanding why animals go extinct and what can be done to prevent it EMPLOYMENT: Zoologist, conservationist	LIFE SKILLS: Understanding why animals go extinct and what can be done to prevent it EMPLOYMENT: Zoologist, conservationist
Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive	Aiming high Creativity Leadership Listening Communication Presenting Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork
IT Skills	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework
Week 15 (w/b 19 th Dec)	X1 (Triple) Lesson 1: 4.3.1.4 – Fungal disease Lesson 2: 4.3.1.5 – Protist disease Lesson 3: 4.3.1.6 – Human defence systems	X2/X3 (Combined Higher) Lesson 1: 4.2.2.5 – Health issues Lesson 2: 4.2.2.6 – The effect of lifestyle on non-communicable disease	X4/5 (Combined Foundation) X4 Lesson 1: 4.2.2.5 – Health issues Lesson 2: 4.2.2.6 – The effect of lifestyle on non-communicable disease X5 Lesson 1 (JAD): 4.2.2.4 – Coronary heart disease Lesson 2 (CLP): 4.2.3.2 – Plant organ systems	X1 (Triple) Lesson 1: 4.6.1.7 – Inherited disorders Lesson 2: 4.6.1.8 – Sex determination Lesson 3: Section review	X2 (Combined Higher) Lesson 1: Unit test Lesson 2: Exemplars Lesson 3: Feedback	X3/X4/X5 (Combined Foundation) Lesson 1: Unit test Lesson 2: Exemplars Lesson 3: Feedback X5 Lesson 1 (LS): Unit test Lesson 2 (CRE): Exemplars Lesson 3 (CRE): Feedback
Key Words Level 2 Level 3	Identify, describe, explain phagocyte, lymphocyte, antibody, antigen, engulf	Identify, describe, explain obesity	Identify, describe, explain Obesity, phloem, xylem	Identify, describe, explain Gamete, inheritance, heterozygous, homozygous, dominant, recessive, carrier	Identify, evaluate, compare, explain, suggest	Identify, evaluate, compare, explain, suggest
Common	That fungal disease means	That only diet and smoking can	That only diet and smoking can	Sperm codes for boys and eggs	Identified from assessment	Identified from assessment
Misconceptions	'mushrooms'	cause CHD	cause CHD	code for girls		
Homework	Kerboodle/Everlearner task	Kerboodle/Everlearner task	Kerboodle/Everlearner task	Kerboodle/Everlearner task	Kerboodle/Everlearner task	Kerboodle/Everlearner task
Assessment this half-term	suitable to ability of group 6 mark question in class	suitable to ability of group. 6 mark question in class	suitable to ability of group. 6 mark question in class	suitable to ability of group. 6 mark question in class	suitable to ability of group. Unit test w/b 19 th Dec	suitable to ability of group. Unit test w/b 19 th Dec
Career opportunities Employment Links	LIFE SKILLS: Understanding how diseases can spread EMPLOYMENT: Doctor, nurse, health care worker, pharmacist	LIFE SKILLS: Understanding the effects of unhealthy lifestyle EMPLOYMENT: GP, paramedic, pharmacist, nutritionist	LIFE SKILLS: Understanding the effects of unhealthy lifestyle EMPLOYMENT: GP, paramedic, pharmacist, nutritionist	LIFE SKILLS: Understanding how diseases can be inherited EMPLOYMENT: Geneticist	LIFE SKILLS: Resilience EMPLOYMENT: Biomedical scientist, teacher, doctor, nurse, vet	LIFE SKILLS: Resilience EMPLOYMENT: Biomedical scientist, teacher, doctor, nurse, vet
Employability Skills	Aiming high Creativity Leadership Literacy Leadership Lindependence Listening Presenting 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 Staying positive Listeracy Numeracy Independence Communication Teamwork Pramwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork
IT Skills	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework	IT2: Kerboodle/Everlearner homework

Spring 1		Year 10		Year 11			
Spring 1	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)	
Week 16 (w/b Wed 4 th Jan)	Lesson 1: Autumn term review Lesson 2: Autumn term review Lesson 3: Autumn term review	Lesson 1: Autumn term review Lesson 2: Autumn term review	X4 Lesson 1: Autumn term review Lesson 2: Autumn term review X5 Lesson 1 (JAD): Autumn term review	Lesson 1: Autumn term review Lesson 2: Autumn term review Lesson 3: Autumn term review	Lesson 1: Autumn term review Lesson 2: Autumn term review Lesson 3: Autumn term review	Lesson 1: Autumn term review Lesson 2: Autumn term review Lesson 3: Autumn term review	
			Lesson 2 (CLP): Autumn term review				
Key Words Level 2 Level 3	Identify, describe, explain, compare, evaluate	Identify, describe, explain, compare, evaluate	Identify, describe, explain, compare, evaluate	Identify, describe, explain, compare, evaluate	Identify, describe, explain, compare, evaluate	Identify, describe, explain, compare, evaluate	
Common	Identified through active	Identified through active	Identified through active	Identified through active	Identified through active	Identified through active	
Misconceptions	questioning	questioning	questioning	questioning	questioning	questioning	
Homework	Kerboodle and Everlearner task suitable to ability of group	Kerboodle and Everlearner task suitable to ability of group.	Kerboodle and Everlearner task suitable to ability of group.	Kerboodle and Everlearner task suitable to ability of group.	Kerboodle and Everlearner task suitable to ability of group.	Kerboodle and Everlearner task suitable to ability of group.	
Assessment this half-term	Unit test w/b 6 th Feb	Unit test w/b 23 rd Jan	Unit test w/b 23 rd Jan	Mock exams w/b 9 th Jan and 16 th Jan Unit test w/b 6 th Feb	Mock exams w/b 9 th Jan and 16 th Jan Unit test w/b 6 th Feb	Mock exams w/b 9 th Jan and 16 th Jan Unit test w/b 30 th Jan	
Career opportunities Employment Links	LIFE SKILLS: Resilience and organisation EMPLOYMENT: Research scientist	LIFE SKILLS: Resilience and organisation EMPLOYMENT: Research scientist	LIFE SKILLS: Resilience and organisation EMPLOYMENT: Research scientist	LIFE SKILLS: Resilience and organisation EMPLOYMENT: Research scientist	LIFE SKILLS: Resilience and organisation EMPLOYMENT: Research scientist	LIFE SKILLS: Resilience and organisation EMPLOYMENT: Research scientist	
Employability Skills	Aiming high Creativity Numeracy Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Pramwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Pramwork	
IT Skills	IT2: Kerboodle and Everlearner	IT2: Kerboodle and Everlearner	IT2: Kerboodle and Everlearner	IT2: Kerboodle and Everlearner	IT2: Kerboodle and Everlearner	IT2: Kerboodle and Everlearner	
Notes	homework tasks	homework tasks Unev	homework tasks ven start to term so all classes to comi	homework tasks blete review of key areas from Autum	homework tasks	homework tasks	
				,			
					100 (a) 100 (b) 100 (b)		
Week 17 (w/b 9 th Jan)	X1 (Triple) Lesson 1: 4.3.1.7 – Vaccination Lesson 2: 4.3.1.7 – Vaccination Lesson 3: 4.3.1.8 – Antibiotics and painkillers	X2/X3 (Combined Higher) Lesson 1: 4.2.2.7 - Cancer Lesson 2: 4.2.3.1 - Plant tissues	X4/5 (Combined Foundation) X4 Lesson 1: 4.2.2.7 - Cancer Lesson 2: 4.2.3.1 - Plant tissues X5 Lesson 1 (JAD): 4.2.2.5 - Health issues Lesson 2 (CLP): 4.2.2.7 - Cancer	X1 (Triple) Lesson 1: 4.6.2.1 – Variation Lesson 2: 4.6.3.1 – The theory of Evolution Lesson 3: 4.6.3.4 – Evidence for evolution	X2 (Combined Higher) Lesson 1: 4.5.1.1 - Homeostasis Lesson 2: 4.5.2 – The human nervous system Lesson 3: 4.5.2 – The human nervous system	X3/X4/X5 (Combined Foundation) Lesson 1: 4.5.1.1 - Homeostasis Lesson 2: 4.5.2 - The human nervous system Lesson 3: 4.5.2 - The human nervous system	
Key Words Level 2 Level 3	Identify, describe, explain Pathogen, antigen, antibody, immunity, specific, lymphocyte, antibiotic	Identify, describe, explain Malignant, benign, tumour, metastasise, phloem, xylem	Identify, describe, explain Malignant, benign, tumour, metastasise, phloem, xylem	Identify, describe, explain	Identify, describe, explain Homeostasis, thermoregulation, synapse, neurone, diffuse, receptor, effector, gland, muscle	Identify, describe, explain Homeostasis, thermoregulation, synapse, neurone, diffuse, receptor, effector, gland, muscle	
Common Misconceptions	Anti vaxxers	All tumours are cancer	All tumours are cancer	That evolution is a quick process	That internal temperature changes in the same way as external temperatures	That internal temperature changes in the same way as external temperatures	
Homework	Kerboodle and Everlearner task suitable to ability of group	Kerboodle and Everlearner task suitable to ability of group.	Kerboodle and Everlearner task suitable to ability of group.	Kerboodle and Everlearner task suitable to ability of group.	Kerboodle and Everlearner task suitable to ability of group.	Kerboodle and Everlearner task suitable to ability of group.	

Assessment this half-term	Unit test w/b 6 th Feb	Unit test w/b 23 rd Jan	Unit test w/b 23 rd Jan	Mock exams w/b 9 th Jan and 16 th Jan	Mock exams w/b 9 th Jan and 16 th Jan	Mock exams w/b 9 th Jan and 16 th Jan
Career opportunities Employment Links	LIFE SKILLS: Understanding how vaccinations work EMPLOYMENT: Virologist, microbiologist	LIFE SKILLS: Understanding different cancers and their treatments EMPLOYMENT: McMillan nurse, phlebotomist, researcher, lab assistant, pharmacist	LIFE SKILLS: Understanding different cancers and their treatments EMPLOYMENT: McMillan nurse, phlebotomist, researcher, lab assistant, pharmacist	Unit test w/b 6 th Feb LIFE SKILLS: Understanding how people are genetically different EMPLOYMENT: Geneticist, anthropologist	Unit test w/b 6 th Feb LIFE SKILLS: Understanding how the body responds to change EMPLOYMENT: Surgeon	Unit test w/b 30 th Jan LIFE SKILLS: Understanding how the body responds to change EMPLOYMENT: Surgeon
Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Independence Communication Teamwork Pramwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork
IT Skills	IT2: Kerboodle and Everlearner	IT2: Kerboodle and Everlearner	IT2: Kerboodle and Everlearner	IT2: Kerboodle and Everlearner	IT2: Kerboodle and Everlearner	IT2: Kerboodle and Everlearner
	homework tasks	homework tasks	homework tasks	homework tasks	homework tasks	homework tasks
	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)
Week 18 (w/b 16 th Jan)	Lesson 1: 4.3.1.9 – Discovery and development of drugs Lesson 2: 4.3.1.9 – Discovery and development of drugs Lesson 3: Section review	Lesson 1: 4.2.3.2 – Plant organ systems Lesson 2: Unit review	X4 Lesson 1: 4.2.3.2 – Plant organ systems Lesson 2: Unit review X5 Lesson 1 (JAD): 4.2.2.6 – the effect of lifestyle on non-communicable disease	Lesson 1: 4.6.2.3 – Selective breeding Lesson 2: 4.6.2.4 – Genetic engineering Lesson 3: 4.6.2.5 - Cloning	Lesson 1: 4.5.3.1 – The endocrine system Lesson 2: 4.5.3.2 – Controlling blood glucose levels Lesson 3: 4.5.3.3 – Hormones in human reproduction	Lesson 1: 4.5.3.1 – The endocrine system Lesson 2: 4.5.3.2 – Controlling blood glucose levels Lesson 3: 4.5.3.3 – Hormones in human reproduction
Key Words	Identify, describe, explain Placebo, double blind trial, efficacy	Identify, describe, explain Phloem, xylem	Identify, describe, explain Phloem, xylem	Identify, describe, explain Plasmid, bacteria, advantageous	Identify, describe, explain Hormone, glucose, glycogen,	Identify, describe, explain Hormone, glucose, glycogen,
Level 3 Common	Drug development doesn't take	Plants don't have organs (students	Plants don't have organs (students	characteristic, vector GM crops	glucagon, insulin, respiration, fertility Females don't have testosterone	glucagon, insulin, respiration, fertility Females don't have testosterone
Misconceptions	long	think only things like heart and lungs are organs)	think only things like heart and lungs are organs)	divi crops	Temales don't mave testosterone	Terriales don't have testosterone
Homework	Kerboodle and Everlearner task suitable to ability of group	Kerboodle and Everlearner task suitable to ability of group.	Kerboodle and Everlearner task suitable to ability of group.	Kerboodle and Everlearner task suitable to ability of group.	Kerboodle and Everlearner task suitable to ability of group.	Kerboodle and Everlearner task suitable to ability of group.
Assessment this half-term	w/b 6 th Feb unit test	w/b 23 rd Jan unit test	w/b 23 rd Jan unit test	Mock exams w/b 9 th Jan and 16 th Jan Unit test w/b 6 th Feb	Mock exams w/b 9 th Jan and 16 th Jan Unit test w/b 6 th Feb	Mock exams w/b 9 th Jan and 16 th Jan Unit test w/b 30 th Jan
Career opportunities Employment Links	LIFE SKILLS: Understanding how new medicines come to production EMPLOYMENT: Clinician, pharmacist, doctor, nurse	LIFE SKILLS: Understanding how plants transport nutrients and water EMPLOYMENT: Horticulture, agriculture, farming	LIFE SKILLS: Understanding how plants transport nutrients and water EMPLOYMENT: Horticulture, agriculture, farming	LIFE SKILLS: Understanding how 'designer' breeds are produced EMPLOYMENT: Framing, dog breeder, cat breeder, geneticist	LIFE SKILLS: Understanding how blood sugar concentration change during the day EMPLOYMENT: Diabetes nurse	LIFE SKILLS: Understanding how blood sugar concentration change during the day EMPLOYMENT: Diabetes nurse
Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Independence Communication Teamwork Teamwork	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive
IT Skills	IT2: Kerboodle and Everlearner homework tasks	IT2: Kerboodle and Everlearner homework tasks	IT2: Kerboodle and Everlearner homework tasks	IT2: Kerboodle and Everlearner homework tasks	IT2: Kerboodle and Everlearner homework tasks	IT2: Kerboodle and Everlearner homework tasks

	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)
Week 19 (w/b 23 rd Jan)	Lesson 1: Section review Lesson 2: 4.3.2.1 Producing monoclonal antibodies Lesson 3: 4.3.2.1 – Uses of monoclonal antibodies	Lesson 1: Unit test Lesson 2: Exemplars	X4 Lesson 1: Unit test Lesson 2: Exemplars X5 Lesson 1 (JAD): Unit test Lesson 2 (CLP): Exemplars	Lesson 1: 4.6.3.2 - Speciation Lesson 2: 4.6.3.3 – The understanding of genetics Lesson 3: 4.6.3.5 - Fossils	Lesson 1: 4.5.3.4 – Contraception Lesson 2: 4.5.3.5 – Using hormones to treat infertility Lesson 3: 4.5.3.5 – Using hormones to treat infertility	Lesson 1: 4.5.3.4 – Contraception Lesson 2: Unit review Lesson 3: Unit review
Key Words Level 2 Level 3	Identify, describe, explain Monoclonal antibody, hybridoma	Identify, describe, explain, compare, evaluate	Identify, describe, explain, compare, evaluate	Identify, describe, explain, compare, evaluate Species, speciation, sedimentary, fossil	Identify, describe, explain Oestrogen, progesterone, testosterone, condom, IUD, hormone, barrier	Identify, describe, explain, compare, evaluate Condom, IUD, hormone, barrier
Common Misconceptions	That monoclonal antibodies are found naturally in the body	Identified from unit test	Identified from unit test	Fossils are skin and remains found in any rock	All contraception is 100% effective	All contraception is 100% effective
Homework	Kerboodle and Everlearner task suitable to ability of group	Kerboodle and Everlearner task suitable to ability of group.	Kerboodle and Everlearner task suitable to ability of group.	Kerboodle and Everlearner task suitable to ability of group.	Kerboodle and Everlearner task suitable to ability of group.	Kerboodle and Everlearner task suitable to ability of group.
Assessment this half-term	Unit test w/b 6 th Feb	Unit test w/b 23 rd Jan	Unit test w/b 23 rd Jan	Unit test w/b 6 th Feb	Unit test w/b 6 th Feb	Unit test w/b 30 th Jan
Career opportunities Employment Links	LIFE SKILLS: Understanding how pregnancy tests work EMPLOYMENT: Virologist, pharmacist	LIFE SKILLS: Resilience and organisation EMPLOYMENT: Research scientist	LIFE SKILLS: Resilience and organisation EMPLOYMENT: Research scientist	LIFE SKILLS: Understanding how fossils help support theories EMPLOYMENT: Archaeologist	LIFE SKILLS: Understanding the role of contraception EMPLOYMENT: Sexual health nurse	LIFE SKILLS: Understanding the role of contraception EMPLOYMENT: Sexual health nurse
Employability Skills	Aiming high Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Literacy Numeracy Independence Communication Presenting Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork
IT Skills	IT2: Kerboodle and Everlearner homework tasks	IT2: Kerboodle and Everlearner homework tasks	IT2: Kerboodle and Everlearner homework tasks	IT2: Kerboodle and Everlearner homework tasks	IT2: Kerboodle and Everlearner homework tasks	IT2: Kerboodle and Everlearner homework tasks
	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)
Week 20 (w/b 30 th Jan)	Lesson 1: 4.3.3.1 – Detection and identification of plant diseases Lesson 2: 4.3.3.1 – Detection and identification of plant diseases Lesson 3: 4.3.3.2 – Plant defence responses	Lesson 1: Feedback Lesson 2: Feedback	X4 Lesson 1: Feedback Lesson 2: Feedback X5 Lesson 1 (JAD): Feedback Lesson 2 (CLP): Feedback	Lesson 1: 4.6.3.6 - Extinction Lesson 2: 4.6.3.7 - Resistant bacteria Lesson 3: 4.6.4 - Classification of organisms	Lesson 1: 4.5.3.6 – Negative feedback Lesson 2: Unit review Lesson 3: Unit review	Lesson 1: Unit assessment Lesson 2: Exemplars Lesson 3: Feedback
Key Words Level 2 Level 3	Identify, describe, explain Tobacco mosaic virus, rose black spot, chlorophyll, chloroplast	Identify, describe, explain, compare, evaluate	Identify, describe, explain, compare, evaluate	Identify, describe, explain Kingdom, phylum, class, order, family, genus, species, extinction	Identify, describe, explain, compare, evaluate	Identify, describe, explain, compare, evaluate
Common Misconceptions	That plant diseases are all fungal	Identified from unit test	Identified from unit test	Extinction is only caused by extreme events e.g. meteors	Negative feedback has a negative impact	Identified from unit test
Homework	Kerboodle and Everlearner task suitable to ability of group Kerboodle and Everlearner task suitable to ability of group.		Kerboodle and Everlearner task suitable to ability of group.	Kerboodle and Everlearner task suitable to ability of group.	Kerboodle and Everlearner task suitable to ability of group.	Kerboodle and Everlearner task suitable to ability of group.
Assessment this half-term	Unit test w/b 6 th Feb	6 mark in class question	6 mark in class question	Unit test w/b 6 th Feb	Unit test w/b 6 th Feb	Unit test w/b 30 th Jan
Career opportunities Employment Links	LIFE SKILLS: Recognising when plants are unhealthy	LIFE SKILLS: Resilience and organisation	LIFE SKILLS: Resilience and organisation	LIFE SKILLS: That resistant bacteria are only found in hospitals (MRSA)	LIFE SKILLS: Resilience and organisation	LIFE SKILLS: Resilience and organisation

	EMPLOYMENT: Horticulturist, virologist	EMPLOYMENT: Research scientist	EMPLOYMENT: Research scientist	EMPLOYMENT: Virologist, nurse, health care worker	EMPLOYMENT: Research scientist	EMPLOYMENT: Research scientist
Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Problem solving Staying positive
IT Skills	IT2: Kerboodle and Everlearner homework tasks	IT2: Kerboodle and Everlearner homework tasks	IT2: Kerboodle and Everlearner homework tasks	IT2: Kerboodle and Everlearner homework tasks	IT2: Kerboodle and Everlearner homework tasks	IT2: Kerboodle and Everlearner homework tasks
	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)
Week 21 (w/b 6 th Feb)	Lesson 1: Practical – growing microbes & aseptic techniques Lesson 2: Practical – growing microbes & aseptic techniques Lesson 3: Practical – growing microbes & aseptic techniques	Lesson 1: 4.3.1.1 – Communicable disease Lesson 2: 4.3.1.2 – Viral disease	Lesson 1: 4.3.1.1 – Communicable disease Lesson 2: 4.3.1.2 – Viral disease X5 Lesson 1 (JAD): 4.3.1.1 – Communicable disease Lesson 2 (CLP): 4.3.1.6 – Human defence systems (primary)	Lesson 1: Unit review Lesson 2: Unit assessment Lesson 3: Exemplars	Lesson 1: Unit assessment Lesson 2: Exemplars Lesson 3: Feedback	Lesson 1: Mock exam exemplars Lesson 2: Mock exam exemplars Lesson 3: Mock exam feedback
Key Words Level 2 Level 3	Identify, describe, explain, compare, evaluate	Identify, describe, explain Communicable, transmit, direct contact, indirect contact, susceptible	Identify, describe, explain Communicable, transmit, direct contact, indirect contact, susceptible	Identify, describe, explain, compare, evaluate	Identify, describe, explain, compare, evaluate	Identify, describe, explain, compare, evaluate
Common Misconceptions	Identified from unit test	Bacteria and virus affect the body in the same way	Bacteria and virus affect the body in the same way	Identified from unit test	Identified from unit test	Identified from mock exam
Homework	Kerboodle and Everlearner task suitable to ability of group	Kerboodle and Everlearner task suitable to ability of group.	Kerboodle and Everlearner task suitable to ability of group.	Kerboodle and Everlearner task suitable to ability of group.	Kerboodle and Everlearner task suitable to ability of group.	Kerboodle and Everlearner task suitable to ability of group.
Assessment this half-term	Unit test w/b 6 th Feb	6 mark in class question	6 mark in class question	Unit test w/b 6 th Feb	Unit test w/b 6 th Feb	6 mark in class question
Career opportunities Employment Links	LIFE SKILLS: Resilience and organisation EMPLOYMENT: Research scientist	LIFE SKILLS: Understanding how disease can spread EMPLOYMENT: Virologist, phlebotomist, nurse	LIFE SKILLS: Understanding how disease can spread EMPLOYMENT: Virologist, phlebotomist, nurse	LIFE SKILLS: Resilience and organisation EMPLOYMENT: Research scientist	LIFE SKILLS: Resilience and organisation EMPLOYMENT: Research scientist	LIFE SKILLS: Resilience and organisation EMPLOYMENT: Research scientist
Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Independence Communication Teamwork Pramwork
IT Skills	IT2: Kerboodle and Everlearner homework tasks	IT2: Kerboodle and Everlearner homework tasks	IT2: Kerboodle and Everlearner homework tasks	IT2: Kerboodle and Everlearner homework tasks	IT2: Kerboodle and Everlearner homework tasks	IT2: Kerboodle and Everlearner homework tasks
	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)
Week 22 (w/b 13 th Feb)	Lesson 1: Unit review Lesson 2: Unit review Lesson 3: Unit test	Lesson 1: 4.3.1.3 – Bacterial diseases Lesson 2: 4.3.1.4 – Fungal diseases	Lesson 1: 4.3.1.3 – Bacterial diseases Lesson 2: 4.3.1.4 – Fungal diseases X5 Lesson 1 (JAD): 4.3.1.2 – Viral disease Lesson 2 (CLP): 4.3.1.6 – Human defence systems (secondary)	Lesson 1: Feedback Lesson 2: Mock exam exemplars Lesson 3: Mock exam feedback	Lesson 1: Mock exam exemplars Lesson 2: Mock exam exemplars Lesson 3: Mock exam feedback	Lesson 1: 4.4.1.1 – Photosynthesis reaction Lesson 2: 4.4.1.2 – Rate of photosynthesis Lesson 3: 4.4.1.3 – Uses of glucose from photosynthesis

Key Words Level 2 Level 3	Identify, describ compare, evalua			oe, explain Bacteria, yphae, replication		i <mark>be, explain</mark> Bacteria, hyphae, replication	Identify, descril compare, evalu		Identify, descr compare, eval		Identify, descr compare, eval Photosynthesis chlorophyll, lim intensity, chloro	luate , chloroplast, iting factor, light
Common	Identified in uni	t assessment	Fungal diseases	means	Fungal disease	s means	Identified in mo	ock exam	Identified in m	ock exam	Plants only us	e glucose for growth
Misconceptions			mushrooms gro	W	mushrooms gr	OW						
Homework	Kerboodle and E	Everlearner task	Kerboodle and	Everlearner task	Kerboodle and	l Everlearner task	Kerboodle and	Everlearner task	Kerboodle and	l Everlearner task	Kerboodle and	d Everlearner task
	suitable to abilit	y of group	suitable to abili	ty of group.	suitable to abi	lity of group.	suitable to abili	ty of group.	suitable to abi	lity of group.	suitable to ab	ility of group.
Assessment this	6 mark in class of	question	6 mark in class	question	6 mark in class	question	6 mark in class	question	6 mark in class	question	6 mark in class	s question
half-term												
Career opportunities	LIFE SKILLS: Resi	lience and	LIFE SKILLS: Und	derstanding how	LIFE SKILLS: Ur	nderstanding how	LIFE SKILLS: Res	silience and	LIFE SKILLS: Re	silience and	LIFE SKILLS: U	nderstanding how
Employment Links	organisation		disease can spr	ead	disease can sp	read	organisation		organisation		plants grow	
	EMPLOYMENT:	Research scientist	EMPLOYMENT:	Virologist,	EMPLOYMENT	: Virologist,	EMPLOYMENT:	Research scientist	EMPLOYMENT	: Research scientist	EMPLOYMEN ⁻	Γ: Horticulture,
			phlebotomist, r	iurse	phlebotomist,	nurse					agriculture, fa	rming
Employability Skills	Aiming high	<mark>Literacy</mark>	Aiming high	<mark>Literacy</mark>	Aiming high	<mark>Literacy</mark>	Aiming high	<mark>Literacy</mark>	Aiming high	<mark>Literacy</mark>	Aiming high	<u>Literacy</u>
	Creativity	Numeracy	Creativity	Numeracy	Creativity	Numeracy	Creativity	Numeracy	Creativity	Numeracy	Creativity	Numeracy
	Leadership	Independence	Leadership	Independence	Leadership	Independence	Leadership	Independence	Leadership	Independence	Leadership	Independence
	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication
	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork
	Problem solving		Problem solving		Problem solving		Problem solving		Problem solving		Problem solving	
	Staying positive		Staying positive		Staying positive		Staying positive		Staying positive		Staying positive	
IT Skills	IT2: Kerboodle a	and Everlearner	IT2: Kerboodle	and Everlearner	IT2: Kerboodle	and Everlearner	IT2: Kerboodle	and Everlearner	IT2: Kerboodle	and Everlearner	IT2: Kerboodle	e and Everlearner
	homework tasks	S	homework task	S	homework tas	ks	homework task	S .	homework tas	ks	homework tas	sks

Spring 2		Year 10		Year 11			
Spring 2	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)	
Week 23 (w/b 27 th Feb)	Lesson 1: Exemplars Lesson 2: Feedback Lesson 3: Feedback	Lesson 1: 4.3.1.5 – Protist diseases Lesson 2: 4.3.1.6 – Human defence systems (primary)	X4 Lesson 1: 4.3.1.5 – Protist diseases Lesson 2: 4.3.1.6 – Human defence systems (primary) X5 Lesson 1 (JAD): 4.3.1.3 – Bacterial diseases Lesson 2 (CLP): 4.3.1.7 - Vaccination	Lesson 1: 4.5.1.1 - Homeostasis Lesson 2: 4.5.2.1 – Structure and function of the nervous system Lesson 3: 4.5.2.2 – The brain	Lesson 1: 4.4.1.1 – Photosynthetic reaction Lesson 2: 4.4.1.2 – Rate of photosynthesis Lesson 3: 4.4.1.2 – Rate of photosynthesis	Lesson 1: 4.4.2.1 – Aerobic and anaerobic respiration Lesson 2: 4.4.2.2 – Response to exercise Lesson 3: 4.4.2.2 – Response to exercise (practical)	
Key Words Level 2 Level 3	Identify, describe, explain, compare, evaluate	Identify, describe, explain, compare, evaluate Protist, skin, goblet cell, epithelial cell, mucous, white blood cell, lymphocyte, phagocyte, antibody, antigen, pathogen	Identify, describe, explain, compare, evaluate Protist, skin, goblet cell, epithelial cell, mucous, white blood cell, lymphocyte, phagocyte, antibody, antigen, pathogen	Identify, describe, explain, compare, evaluate Homeostasis, sensory, relay, motor, neurone, synapse, receptor, effector, response	Identify, describe, explain, compare, evaluate Photosynthesis, chloroplast, chlorophyll, limiting factor, independent variable, control variable, reproducibility, validity	Identify, describe, explain, compare, evaluate Aerobic, anaerobic, lactic acid, ethanol, respiration, heart rate, breathing rate	
Common Misconceptions	Identified from assessment	Only the skin is a primary defence	Only the skin is a primary defence	All responses are unconscious	Only light affects the rate of photosynthesis	People only 'do' aerobic respiration	
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	
Assessment this half-term	6 mark in class question & photosynthesis practical write up	Unit test w/b 27 th Mar	Unit test w/b 27 th Mar	Unit test w/b 27 th Mar	6 mark in class question & photosynthesis practical write up	Unit test w/b 6 th Mar	
Career opportunities Employment Links	LIFE SKILLS: Resilience and organisation EMPLOYMENT: Research scientist	LIFE SKILLS: Understanding how diseases spread and how to prevent them	LIFE SKILLS: Understanding how diseases spread and how to prevent them	LIFE SKILLS: Understanding how the nervous system works EMPLOYMENT: Physiotherapist	LIFE SKILLS: Understanding the conditions needed for plant growth	LIFE SKILLS: Understanding why you get cramp during exercise EMPLOYMENT: Physiotherapist, personal trainer	

Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving Literacy Numeracy Independence Communication Teamwork Problem solving	EMPLOYMENT: Virologist, pharmacist, doctor, GP, nurse, healthcare worker Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving	EMPLOYMENT: Virologist, pharmacist, doctor, GP, nurse, healthcare worker Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving	Aiming high Creativity Leadership Listening Presenting Problem solving Literacy Numeracy Independence Communication Teamwork	EMPLOYMENT: Horticulture, agriculture, botanist Aiming high Creativity Leadership Literacy Numeracy Leadership Literacy Communication Presenting Problem solving	Aiming high Creativity Leadership Listening Presenting Problem solving Literacy Numeracy Independence Communication Teamwork
IT Skills	Staying positive IT2: Kerboodle and Everlearner	Staying positive IT2: Kerboodle and Everlearner	Staying positive IT2: Kerboodle and Everlearner	Staying positive IT2: Kerboodle and Everlearner	Staying positive IT2: Kerboodle and Everlearner	Staying positive IT2: Kerboodle and Everlearner
	homeworks	homeworks	homeworks	homeworks	homeworks	homeworks
	No. (7-1-1-)	No. (10. 14. 14.14.14.14.14.14.14.14.14.14.14.14.14.1	NA (5 (0 1) 15 15 11 1	No. (7-1-1-)	NO (0 11 11 11 1	\(\text{\tint{\text{\tint{\text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}\text{\tin}\\ \ti}\\\ \tinttitex{\text{\text{\text{\text{\text{\text{\texi}\tint{\text{\texi}\tint{\text{\texi}\tint{\text{\texi}\tint{\tex{\ti}\tint{\text{\text{\text{\texi}\text{\texit{\text{\tex{
Week 24 (w/b 6 th Mar)	X1 (Triple) Lesson 1: 4.4.1.1 – Photosynthetic reaction Lesson 2: 4.4.1.2 – Rate of photosynthesis Lesson 3: 4.4.1.2 – Rate of photosynthesis - practical	X2/X3 (Combined Higher) Lesson 1: 4.3.1.6 – Human defence systems (secondary) Lesson 2: 4.3.1.7 - Vaccination	X4/5 (Combined Foundation) X4 Lesson 1: 4.3.1.6 – Human defence systems (secondary) Lesson 2: 4.3.1.7 - Vaccination X5 Lesson 1 (JAD): 4.3.1.4 – Fungal diseases Lesson 2 (CLP): 4.3.1.7 Vaccination	X1 (Triple) Lesson 1: 4.5.2.3 – The eye Lesson 2: 4.5.2.3 – The eye Lesson 3: 4.5.2.4 – Control of body temperature	X2 (Combined Higher) Lesson 1: 4.4.1.3 – Use of glucose from photosynthesis Lesson 2: 4.4.2.1 – Aerobic and anaerobic respiration Lesson 3: 4.4.2.2 – Response to exercise	X3/X4/X5 (Combined Foundation) Lesson 1: 4.4.2.3 - Metabolism Lesson 2: Unit review Lesson 3: Unit assessment
Key Words Level 2 Level 3	Identify, describe, explain, compare, evaluate Photosynthesis, chloroplast, chlorophyll, limiting factor, independent variable, dependent variable, control variable, reproducibility, validity	Identify, describe, explain, compare, evaluate White blood cell, lymphocyte, phagocyte, antibody, antigen, pathogen, vaccination, immunity	Identify, describe, explain, compare, evaluate White blood cell, lymphocyte, phagocyte, antibody, antigen, pathogen, vaccination, immunity	Identify, describe, explain, compare, evaluate Myopia, hyperopia, concave, convex, sclera, pupil, suspensory ligaments, retina, optic nerve, impulse	Identify, describe, explain, compare, evaluate Aerobic, anaerobic, lactic acid, ethanol, respiration, heart rate, breathing rate	Identify, describe, explain, compare, evaluate Metabolism, metabolite
Common	Only light affects the rate of	Anti vaxxers	Anti vaxxers	That the pupil is a black dot	People only 'do' aerobic	Identified from assessment
Misconceptions	photosynthesis				respiration	
Homework	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this	6 mark in class question &	Unit test w/b 27 th Mar	Unit test w/b 27 th Mar	Unit test w/b 27 th Mar	6 mark in class question &	Unit test w/b 6 th Mar
half-term	photosynthesis practical write up	,	,	,	photosynthesis practical write up	,
Career opportunities Employment Links	LIFE SKILLS: Understanding the conditions needed for plant growth EMPLOYMENT: Horticulture, agriculture, botanist	LIFE SKILLS: Understanding the role of vaccinations EMPLOYMENT: Virologist, GP, immunologist	LIFE SKILLS: Understanding the role of vaccinations EMPLOYMENT: Virologist, GP, immunologist	LIFE SKILLS: Understanding how poor vision is corrected EMPLOYMENT: Optometrist	LIFE SKILLS: Understanding why you get cramp during exercise EMPLOYMENT: Physiotherapist, personal trainer	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist
Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Numeracy Leadership Independence Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Numeracy Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Problem solving Staying positive
IT Skills	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks
	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)
Week 25 (w/b 13 th Mar)	Lesson 1: 4.4.1.2 – Rate of photosynthesis - practical Lesson 2: 4.4.1.2 – Rate of photosynthesis - practical	Lesson 1: 4.3.1.7 - Vaccination Lesson 2: 4.3.1.8 – Antibiotics and painkillers	X4 Lesson 1: 4.3.1.7 - Vaccination Lesson 2: 4.3.1.8 – Antibiotics and painkillers	Lesson 1: 4.5.3.1 – Human endocrine system Lesson 2: 4.5.3.2 – Controlling blood glucose	Lesson 1: 4.4.2.2 – Response to exercise (practical) Lesson 2: 4.4.2.3 - Metabolism Lesson 3: Unit review	Lesson 1: Exemplars Lesson 2: Feedback Lesson 3: Feedback

	Lesson 3: 4.4.1.2 – Rate of		X5	Lesson 3: 4.5.3.3 – Maintaining		
	photosynthesis - practical		Lesson 1 (JAD): 4.3.1.5 – Protist	water and nitrogen balance in the		
			diseases	body		
			Lesson 2 (CLP): 4.3.1.8 –			
Vo. Mordo	I doubify a double a symbolic	Identify describe evaluin	Antibiotics and painkillers	Identify, describe, evelopin	Idontify describe evaluin	Identify describe combine
Key Words Level 2	Identify, describe, explain,	Identify, describe, explain,	Identify, describe, explain,	Identify, describe, explain,	Identify, describe, explain,	Identify, describe, explain,
Level 3	compare, evaluate Photosynthesis, chloroplast,	compare, evaluate White blood cell, lymphocyte,	compare, evaluate White blood cell, lymphocyte,	compare, evaluate Hormone, insulin, glucagon,	compare, evaluate Aerobic, anaerobic, lactic acid,	compare, evaluate
<u>LCVCI O</u>	chlorophyll, limiting factor,	phagocyte, antibody, antigen,	phagocyte, antibody, antigen,	glycogen, pancreas,	ethanol, respiration, heart rate,	
	independent variable, dependent	pathogen, vaccination, immunity,	pathogen, vaccination, immunity,	osmoregulation, dialysis	breathing rate, metabolism,	
	variable, control variable, reproducibility, validity	antibiotic, penicillin	antibiotic, penicillin		metabolite	
Common	Only light affects the rate of	Anti vaxxers	Anti vaxxers	That all overweight people will	Everyones metabolism is the same	Identified from assessment
Misconceptions	photosynthesis	Korboodlo took oritable to ebility	Karbaadla taali suitabla ta abilitu	have Type 2 diabetes	Kaybaadla taali ayitabla ta ability	Karba adla task suitabla ta abilitu
Homework	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this	6 mark in class question &	Unit test w/b 27 th Mar	Unit test w/b 27 th Mar	Unit test w/b 27 th Mar	6 mark in class question &	6 mark in class question
half-term	photosynthesis practical write up				photosynthesis practical write up	
Career opportunities	LIFE SKILLS: Understanding the	LIFE SKILLS: Understanding the	LIFE SKILLS: Understanding the	LIFE SKILLS: Understanding how	LIFE SKILLS: Understanding how	LIFE SKILLS: Resilience
Employment Links	conditions needed for plant	role of vaccinations	role of vaccinations	water levels are controlled in the	the body responds to exercise	EMPLOYMENT: Research scientist
	growth EMPLOYMENT: Horticulture,	EMPLOYMENT: Virologist, GP, immunologist	EMPLOYMENT: Virologist, GP, immunologist	body EMPLOYMENT: Urologist, dialysis	EMPLOYMENT: Personal trainer, dietician	
	agriculture, botanist	Illinanologist	Illinanologist	nurse	dietician	
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy
	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy
	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence
	Listening Communication Presenting Teamwork	Listening Communication Presenting Teamwork	Listening Communication Presenting Teamwork	Listening Communication Presenting Teamwork	Listening Communication Presenting Teamwork	Listening Communication Presenting Teamwork
	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving
	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive
IT Skills	IT2: Kerboodle and Everlearner	IT2: Kerboodle and Everlearner	IT2: Kerboodle and Everlearner	IT2: Kerboodle and Everlearner	IT2: Kerboodle and Everlearner	IT2: Kerboodle and Everlearner
	homeworks	homeworks	homeworks	homeworks	homeworks	homeworks
	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)
Week 26	Lesson 1: 4.4.1.2 – Rate of	Lesson 1: 4.3.1.9 – Discovery and	X4	Lesson 1: 4.5.3.4 – Hormones in	Lesson 1: Unit assessment	Lesson 1: 4.1.1 – cell structure
(w/b 20 th Mar)	photosynthesis - practical Lesson 2: 4.4.1.3 – Uses of glucose	development of drugs Lesson 2: Unit review	Lesson 1: 4.3.1.9 – Discovery and development of drugs	human reproduction Lesson 2: 4.5.3.5 - Contraception	Lesson 2: Exemplars Lesson 3: Feedback	recap Lesson 2: 4.1.2 – cell division recap
	from photosynthesis	Lesson 2. Offit review	Lesson 2: Unit review	Lesson 3: 4.5.3.6 – Using	Lesson 5. Feedback	Lesson 3: 4.1.3 – transport in cells
	Lesson 3: Photosynthesis review		X5	hormones to treat infertility		recap
	,		Lesson 1 (JAD): 4.3.1.9 – Discovery	,,		
			and development of drugs			
			Lesson 2 (CLP): Unit review			
Key Words	Identify, describe, explain,	Identify, describe, explain,	Identify, describe, explain,	Identify, describe, explain,	Identify, describe, explain,	Identify, describe, explain,
Level 2	compare, evaluate	compare, evaluate	compare, evaluate	compare, evaluate	compare, evaluate	compare, evaluate
Level 3	Photosynthesis, chloroplast,	Blind trial, efficacy, toxicity,	Blind trial, efficacy, toxicity,	Infertility, oestrogen,		
	chlorophyll, limiting factor,	immunity, antibiotic, penicillin	immunity, antibiotic, penicillin	progesterone, testosterone, FSH,		
	independent variable, dependent variable, control variable,			LH, menstrual cycle, condom, IUD, hormone, secrete		
	reproducibility, validity			normone, secrete		
Common	Only light affects the rate of	Drugs are quick to develop	Drugs are quick to develop	All contraceptive is effective	Identified in assessment	Identified in active questioning
Misconceptions	photosynthesis	·				
Homework	Kerboodle task suitable to ability	Kerboodle task suitable to ability	Kerboodle task suitable to ability	Kerboodle task suitable to ability	Kerboodle task suitable to ability	Kerboodle task suitable to ability
	of group.	of group.	of group.	of group.	of group.	of group.
Assessment this	6 mark in class question &	Unit test w/b 27 th Mar	Unit test w/b 27 th Mar	Unit test w/b 27 th Mar	6 mark in class question &	6 mark in class question
half-term	photosynthesis practical write up				photosynthesis practical write up	

Career opportunities Employment Links	LIFE SKILLS: Understanding the conditions needed for plant growth EMPLOYMENT: Horticulture, agriculture, botanist	LIFE SKILLS: Understanding how drugs trials work EMPLOYMENT: Doctor, research scientist, biomedical scientist, nurse	LIFE SKILLS: Understanding how drugs trials work EMPLOYMENT: Doctor, research scientist, biomedical scientist, nurse	LIFE SKILLS: Understanding how contraceptives work EMPLOYMENT: Sexual health nurse	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Organisation and resilience EMPLOYMENT: Technician
Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Independence Communication Teamwork Problem solving Staying positive
IT Skills	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks
Week 27 (w/b 27 th Mar)	X1 (Triple) Lesson 1: 4.4.2.1 – Aerobic and anaerobic respiration Lesson 2: 4.4.2.1 – Aerobic and anaerobic respiration Lesson 3: 4.4.2.1 – Aerobic and anaerobic respiration – uses in industry	X2/X3 (Combined Higher) Lesson 1: Unit test Lesson 2: Exemplars	X4/5 (Combined Foundation) X4 Lesson 1: Unit test Lesson 2: Exemplars X5 Lesson 1 (JAD): Unit test Lesson 2 (CLP): Exemplars	X1 (Triple) Lesson 1: 4.5.4.1/2 – Control and coordination of using plant hormones Lesson 2: Unit review Lesson 3: Unit assessment	X2 (Combined Higher) Lesson 1: 4.1.1 – cell structure recap Lesson 2: 4.1.2 – cell division recap Lesson 3: 4.1.3 – transport in cells recap	X3/X4/X5 (Combined Foundation) Lesson 1: 4.2.1 – Principles of organisation recap Lesson 2: 4.2.2 – Animal tissue, organs and organ systems recap Lesson 3: 4.2.2 – Animal tissue, organs and organ systems recap
Key Words Level 2 Level 3	Identify, describe, explain, compare, evaluate Aerobic, anaerobic, lactic acid, ethanol, respiration	Identify, describe, explain, compare, evaluate	Identify, describe, explain, compare, evaluate	Identify, describe, explain, compare, evaluate Auxin, ethene, gibberellin, phototropism	Identify, describe, explain, compare, evaluate	Identify, describe, explain, compare, evaluate
Common Misconceptions	All products of anaerobic respiration are the same	Identified in assessment	Identified in assessment	Identified in assessment	Identified in active questioning	Identified in active questioning
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term Career opportunities	6 mark in class question & photosynthesis practical write up LIFE SKILLS: Understanding how	Unit test w/b 27 th Mar LIFE SKILLS: Resilience	Unit test w/b 27 th Mar LIFE SKILLS: Resilience	Unit test w/b 27 th Mar LIFE SKILLS: Resilience	6 mark in class question & photosynthesis practical write up LIFE SKILLS: Organisation and	6 mark in class question LIFE SKILLS: Organisation and
Employment Links	yoghurt and bread is made EMPLOYMENT: Brewer, baker	EMPLOYMENT: Research scientist	EMPLOYMENT: Research scientist	EMPLOYMENT: Research scientist	resilience EMPLOYMENT: Technician	resilience EMPLOYMENT: Technician
Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Problem solving	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Numeracy Leadership Listening Presenting Problem solving Staying positive
IT Skills	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks

Summer 1		Year 10		Year 11			
Julilliei 1	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)	
Week 28 (w/b 17 th Apr)	Lesson 1: 4.4.2.2 – Response to exercise Lesson 2: 4.4.2.2 – Response to exercise – practical Lesson 3: 4.4.2.3 - Metabolism	Lesson 1: 4.4.1.1 – Photosynthetic reaction Lesson 2: 4.4.2.2 – Rate of photosynthesis	X4 Lesson 1: 4.4.1.1 – Photosynthetic reaction Lesson 2: 4.4.2.2 – Rate of photosynthesis X5 Lesson 1 (JAD): 4.4.1.1 – Photosynthetic reaction Lesson 2 (CLP): 4.4.2.1 – Aerobic and anaerobic respiration	Lesson 1: 4.1.1 – cell structure recap Lesson 2: 4.1.2 – cell division recap Lesson 3: 4.1.3 – transport in cells recap	Lesson 1: 4.2.1 – Principles of organisation recap Lesson 2: 4.2.2 – Animal tissue, organs and organ systems recap Lesson 3: 4.2.2 – Animal tissue, organs and organ systems recap	Lesson 1: 4.3.1 – Communicable diseases recap Lesson 2: 4.3.1 – Communicable diseases recap (defences) Lesson 3: 4.3.1 – Communicable diseases recap (development of drugs)	
Key Words Level 2 Level 3	Identify, describe, explain, compare, evaluate Heart rate, breathing, haemoglobin, diffusion, alveoli, capillary, pulmonary artery, pulmonary vein, aorta, vena cava	Identify, describe, explain, compare, evaluate Photosynthesis, chloroplast, chlorophyll, limiting factor, independent variable, dependent variable, control variable, reproducibility, validity	Identify, describe, explain, compare, evaluate Photosynthesis, chloroplast, chlorophyll, limiting factor, independent variable, dependent variable, control variable, reproducibility, validity	Identify, describe, explain, compare, evaluate Linked directly to specific unit section	Identify, describe, explain, compare, evaluate Linked directly to specific unit section	Identify, describe, explain, compare, evaluate Linked directly to specific unit section	
Common	Everyones metabolism is the same	Only light affects the rate of	Only light affects the rate of	Identified during active	Identified during active	Identified during active	
Misconceptions Homework	Kerboodle task suitable to ability of group	photosynthesis Kerboodle task suitable to ability of group.	photosynthesis Kerboodle task suitable to ability of group.	questioning and modelling Kerboodle task suitable to ability of group.	questioning and modelling Kerboodle task suitable to ability of group.	questioning and modelling Kerboodle task suitable to ability of group.	
Assessment this	Unit test w/b 24 th Apr	6 mark in class question &	6 mark in class question &	Paper 1 external exam – date TBC	Paper 1 external exam – date TBC	Paper 1 external exam – date TBC	
half-term		photosynthesis practical write up	photosynthesis practical write up				
Career opportunities Employment Links	LIFE SKILLS: Understanding how exercise affects the body EMPLOYMENT: Physiotherapist, personal trainer, sports coach, PE teacher	LIFE SKILLS: Understanding the conditions needed for plant growth EMPLOYMENT: Horticulture, agriculture, botanist	LIFE SKILLS: Understanding the conditions needed for plant growth EMPLOYMENT: Horticulture, agriculture, botanist	LIFE SKILLS: Resilience and organisation EMPLOYMENT: Research scientist	LIFE SKILLS: Resilience and organisation EMPLOYMENT: Research scientist	LIFE SKILLS: Resilience and organisation EMPLOYMENT: Research scientist	
Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive	
IT Skills	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	
	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)	
Week 29 (w/b 24 th Apr)	Lesson 1: Unit test Lesson 2: Exemplars Lesson 3: Feedback	Lesson 1: 4.4.2.2 – Rate of photosynthesis investigation Lesson 2: 4.4.2.2 – Rate of photosynthesis investigation	X4/5 (Combined Foundation) X4 Lesson 1: 4.4.2.2 – Rate of photosynthesis investigation Lesson 2: 4.4.2.2 – Rate of photosynthesis investigation X5 Lesson 1 (JAD): 4.4.2.2 – Rate of photosynthesis Lesson 2 (CLP): .4.2.1 – Aerobic and anaerobic respiration	Lesson 1: 4.2.1 – Principles of organisation recap Lesson 2: 4.2.2 – Animal tissue, organs and organ systems recap Lesson 3: 4.2.2 – Animal tissue, organs and organ systems recap	Lesson 1: 4.3.1 – Communicable diseases recap Lesson 2: 4.3.1 – Communicable diseases recap (defences) Lesson 3: 4.3.1 – Communicable diseases recap (development of drugs)	Lesson 1: 4.4.1 – Photosynthesis recap Lesson 2: 4.4.2 – Respiration recap Lesson 3: 4.4.1/2 – Practicals for photosynthesis and respiration recap	
Key Words Level 2 Level 3		Identify, describe, explain, compare, evaluate	Identify, describe, explain, compare, evaluate	Identify, describe, explain, compare, evaluate	Identify, describe, explain, compare, evaluate	Identify, describe, explain, compare, evaluate	

		Photosynthesis, chloroplast, chlorophyll, limiting factor, independent variable, dependent variable, control variable, reproducibility, validity	Photosynthesis, chloroplast, chlorophyll, limiting factor, independent variable, dependent variable, control variable, reproducibility, validity	Linked directly to specific unit section	Linked directly to specific unit section	Linked directly to specific unit section
Common	Identified from assessment	Only light affects the rate of	Only light affects the rate of	Identified during active	Identified during active	Identified during active
Misconceptions Homework	Kerboodle task suitable to ability	photosynthesis Kerboodle task suitable to ability	photosynthesis Kerboodle task suitable to ability	questioning and modelling Kerboodle task suitable to ability	questioning and modelling Kerboodle task suitable to ability	questioning and modelling Kerboodle task suitable to ability
nomework	of group	of group.	of group.	of group.	of group.	of group.
Assessment this	Unit test w/b 24 th Apr	6 mark in class question &	6 mark in class question &	Paper 1 external exam – date TBC	Paper 1 external exam – date TBC	Paper 1 external exam – date TBC
half-term	One test w/b 24 Apr	photosynthesis practical write up	photosynthesis practical write up	Taper I external exam date ribe	Taper I external exam date The	Taper I external exam date ribe
Career opportunities	LIFE SKILLS: Resilience and	LIFE SKILLS: Understanding the	LIFE SKILLS: Understanding the	LIFE SKILLS: Resilience and	LIFE SKILLS: Resilience and	LIFE SKILLS: Resilience and
Employment Links	organisation	conditions needed for plant	conditions needed for plant	organisation	organisation	organisation
	EMPLOYMENT: Research scientist	growth	growth	EMPLOYMENT: Research scientist	EMPLOYMENT: Research scientist	EMPLOYMENT: Research scientist
		EMPLOYMENT: Horticulture,	EMPLOYMENT: Horticulture,			
		agriculture, botanist	agriculture, botanist			
Employability Skills	Aiming high Creativity Leadership Independence	Aiming high Creativity Leadership Numeracy Leadership Independence	Aiming high Creativity Leadership Independence	Aiming high Creativity Leadership Literacy Numeracy Leadership Independence	Aiming high Creativity Leadership Aiming high Numeracy Independence	Aiming high Creativity Leadership Literacy Numeracy Independence
	Listening Communication Presenting Teamwork Problem solving Staying positive	Listening Communication Presenting Teamwork Problem solving Staying positive	Listening Communication Presenting Teamwork Problem solving Staying positive	Listening Communication Presenting Teamwork Problem solving Staying positive	Listening Communication Presenting Teamwork Problem solving Staying positive	Listening Communication Presenting Teamwork Problem solving Staying positive
IT Skills	IT2: Kerboodle and Everlearner	IT2: Kerboodle and Everlearner	IT2: Kerboodle and Everlearner	IT2: Kerboodle and Everlearner	IT2: Kerboodle and Everlearner	IT2: Kerboodle and Everlearner
	homeworks	homeworks	homeworks	homeworks	homeworks	homeworks
	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)
Week 30	Lesson 1: 4.5.1.1 – Homeostasis	Lesson 1: 4.4.2.2 – Rate of	X4	Lesson 1: 4.3.1 – Communicable	Lesson 1: 4.4.1 – Photosynthesis	Lesson 1: 4.5.1 – Homeostasis
(w/b Tues 2 nd May)	Lesson 2: 4.5.2.1 – Structure and	photosynthesis investigation	Lesson 1: 4.4.2.2 – Rate of	diseases recap	recap	(incl. thermoregulation) recap
	function of the nervous system	Lesson 2: 4.4.2.2 – Rate of	photosynthesis investigation	Lesson 2: 4.3.2 – Monoclonal	Lesson 2: 4.4.2 – Respiration recap	Lesson 2: 4.5.2 – Nervous system
	Lesson 3: 4.5.2.1 – Structure and	photosynthesis investigation	Lesson 2: 4.4.2.2 – Rate of	antibodies recap	Lesson 3: 4.4.1/2 – Practicals for	recap
	function of the nervous system: Ruler drop test practical		photosynthesis investigation	Lesson 3: 4.3.3 Plant disease recap	photosynthesis and respiration recap	Lesson 3: 4.5.3 – Hormonal communication recap
			X5 Lesson 1 (JAD): 4.4.2.2 – Rate of photosynthesis investigation Lesson 2 (CLP): 4.4.2.1 – Aerobic and anaerobic respiration – uses in industry			
Key Words	Identify, describe, explain,	Identify, describe, explain,	Identify, describe, explain,	Identify, describe, explain,	Identify, describe, explain,	Identify, describe, explain,
Level 2 Level 3	compare, evaluate Homeostasis, synapse, sensory, motor, relay, neurone, impulse,	compare, evaluate Photosynthesis, chloroplast, chlorophyll, limiting factor,	compare, evaluate Photosynthesis, chloroplast, chlorophyll, limiting factor,	compare, evaluate Linked directly to specific unit section	compare, evaluate Linked directly to specific unit section	compare, evaluate Linked directly to specific unit section
	diffusion, receptor, effector, reflex, unconscious	independent variable, dependent variable, control variable, reproducibility, validity	independent variable, dependent variable, control variable, reproducibility, validity			
Common	That brain injury automatically	Only light affects the rate of	Only light affects the rate of	Identified during active	Identified during active	Identified during active
Misconceptions	means death	photosynthesis	photosynthesis	questioning and modelling	questioning and modelling	questioning and modelling
Homework	Kerboodle task suitable to ability	Kerboodle task suitable to ability	Kerboodle task suitable to ability	Kerboodle task suitable to ability	Kerboodle task suitable to ability	Kerboodle task suitable to ability
Annana	of group	of group.	of group.	of group.	of group.	of group.
Assessment this half-term	6 mark in class question	6 mark in class question & photosynthesis practical write up	6 mark in class question & photosynthesis practical write up	Paper 1 external exam – date TBC	Paper 1 external exam – date TBC	Paper 1 external exam – date TBC
Career opportunities	LIFE SKILLS: Understanding reflex	LIFE SKILLS: Understanding the	LIFE SKILLS: Understanding the	LIFE SKILLS: Resilience and	LIFE SKILLS: Resilience and	LIFE SKILLS: Resilience and
Employment Links	actions EMPLOYMENT: Physiotherapist, neuro surgeon	conditions needed for plant growth EMPLOYMENT: Horticulture,	conditions needed for plant growth EMPLOYMENT: Horticulture,	organisation EMPLOYMENT: Research scientist	organisation EMPLOYMENT: Research scientist	organisation EMPLOYMENT: Research scientist
	Ĭ	agriculture, botanist	agriculture, botanist			

Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Preamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Pramwork
IT Skills	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks
	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)
Week 31 (w/b 8 th May)	Lesson 1: 4.5.2.2 – The brain Lesson 2: 4.5.2.3 – The eye (structure & accommodation) Lesson 3: 4.5.2.3 – The eye (myopia and hyperopia)	Lesson 1: 4.4.1.3 – Uses of glucose from photosynthesis Lesson 2: 4.4.2.1 – Aerobic and anaerobic respiration	X4 Lesson 1: 4.4.1.3 – Uses of glucose from photosynthesis Lesson 2: 4.4.2.1 – Aerobic and anaerobic respiration X5 Lesson 1 (JAD): 4.4.2.2 – Rate of photosynthesis investigation Lesson 2 (CLP): Lesson 1: 4.4.2.2 – Response to exercise	Lesson 1: 4.4.1 – Photosynthesis recap Lesson 2: 4.4.2 – Respiration recap Lesson 3: 4.4.1/2 – Practicals for photosynthesis and respiration recap	Lesson 1: 4.5.1 – Homeostasis (incl. thermoregulation) recap Lesson 2: 4.5.2 – Nervous system recap Lesson 3: 4.5.3 – Hormonal communication (incl. infertility treatments & negative feedback) recap	Lesson 1: 4.6.1 – Reproduction recap Lesson 2: 4.6.2 – Variation and evolution recap Lesson 3: 4.6.3 – Understanding genetics recap
Key Words Level 2 Level 3	Identify, describe, explain, compare, evaluate Synapse, sensory, motor, relay, neurone, impulse, diffusion, receptor, effector, cerebrum, cerebellum, medulla, hypothalamus, myopia, hyperopia, accommodation, sclera, retina, optic nerve, suspensory ligament	Identify, describe, explain, compare, evaluate Aerobic, anaerobic, lactic acid, ethanol, respiration	Identify, describe, explain, compare, evaluate Aerobic, anaerobic, lactic acid, ethanol, respiration	Identify, describe, explain, compare, evaluate Linked directly to specific unit section	Identify, describe, explain, compare, evaluate Linked directly to specific unit section	Identify, describe, explain, compare, evaluate Linked directly to specific unit section
Common	That the pupil is a black dot	All products of anaerobic	All products of anaerobic	Identified during active	Identified during active	Identified during active
Misconceptions	Mark and Land at Stability and 19	respiration are the same	respiration are the same	questioning and modelling	questioning and modelling	questioning and modelling
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	6 mark in class questions	6 mark in class question & photosynthesis practical write up	6 mark in class question & photosynthesis practical write up	Paper 1 external exam – date TBC	Paper 1 external exam – date TBC	Paper 1 external exam – date TBC
Career opportunities Employment Links	LIFE SKILLS: Understanding how poor vision is corrected EMPLOYMENT: Optometrist	LIFE SKILLS: Understanding how yoghurt and bread is made EMPLOYMENT: Brewer, baker	LIFE SKILLS: Understanding how yoghurt and bread is made EMPLOYMENT: Brewer, baker	LIFE SKILLS: Resilience and organisation EMPLOYMENT: Research scientist	LIFE SKILLS: Resilience and organisation EMPLOYMENT: Research scientist	LIFE SKILLS: Resilience and organisation EMPLOYMENT: Research scientist
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Problem solving	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Pramwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Pramwork
IT Skills	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks
Week 32 (w/b 15 th May)	X1 (Triple) Lesson 1: 4.5.2.4 – Control of body temperature Lesson 2: Section review Lesson 3: Section assessment	X2/X3 (Combined Higher) Lesson 1: 4.4.2.1 – Aerobic and anaerobic respiration Lesson 2: 4.4.2.1 – Aerobic and anaerobic respiration – uses in industry	X4/5 (Combined Foundation) X4 Lesson 1: 4.4.2.1 – Aerobic and anaerobic respiration Lesson 2: : 4.4.2.1 – Aerobic and anaerobic respiration – uses in industry	X1 (Triple) Lesson 1: 4.5.1 – Homeostasis recap Lesson 2: 4.5.2 – Nervous system recap Lesson 3: 4.5.3 – Hormonal communication recap	X2 (Combined Higher) Lesson 1: 4.6.1 – Reproduction recap Lesson 2: 4.6.2 – Variation and evolution recap Lesson 3: 4.6.3 – Understanding genetics recap	X3/X4/X5 (Combined Foundation) Lesson 1: 4.6.4 – Classification of organisms recap Lesson 2: 4.7.1 – Adaptations recap Lesson 3: 4.7.2 – Organisation of ecosystem recap

Key Words Level 2 Level 3	Identify, describe, explain, compare, evaluate Synapse, sensory, motor, relay, neurone, impulse, diffusion, receptor, effector, cerebrum, cerebellum, medulla, hypothalamus, myopia, hyperopia, accommodation, sclera, retina, optic nerve, suspensory ligament	Identify, describe, explain, compare, evaluate Aerobic, anaerobic, lactic acid, ethanol, respiration	Lesson 1 (JAD): 4.4.2.2 – Rate of photosynthesis investigation Lesson 2 (CLP): Lesson 1: 4.4.2.2 – Response to exercise Identify, describe, explain, compare, evaluate Aerobic, anaerobic, lactic acid, ethanol, respiration	Identify, describe, explain, compare, evaluate Linked directly to specific unit section	Identify, describe, explain, compare, evaluate Linked directly to specific unit section	Identify, describe, explain, compare, evaluate Linked directly to specific unit section
Common	Identified in assessment	All products of anaerobic	All products of anaerobic	Identified during active	Identified during active	Identified during active
Misconceptions		respiration are the same	respiration are the same	questioning and modelling	questioning and modelling	questioning and modelling
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	6 mark in class questions	6 mark in class question & photosynthesis practical write up	6 mark in class question & photosynthesis practical write up	Paper 1 external exam – date TBC	Paper 1 external exam – date TBC	Paper 1 external exam – date TBC
Career opportunities Employment Links	LIFE SKILLS: Resilience and organisation EMPLOYMENT: Research scientist	LIFE SKILLS: Understanding how yoghurt and bread is made EMPLOYMENT: Brewer, baker	LIFE SKILLS: Understanding how yoghurt and bread is made EMPLOYMENT: Brewer, baker	LIFE SKILLS: Resilience and organisation EMPLOYMENT: Research scientist	LIFE SKILLS: Resilience and organisation EMPLOYMENT: Research scientist	LIFE SKILLS: Resilience and organisation EMPLOYMENT: Research scientist
Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Numeracy Leadership Listening Presenting Problem solving Staying positive
IT Skills	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks	IT2: Kerboodle and Everlearner homeworks
	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)
Week 33 (w/b 22 nd May)	Lesson 1: Exemplars Lesson 2: Feedback Lesson 3: Feedback	Lesson 1: 4.4.2.2 – Response to exercise Lesson 2: 4.4.2.2 – Response to exercise – practical	Lesson 1: 4.4.2.2 – Response to exercise Lesson 2: 4.4.2.2 – Response to exercise – practical X5 Lesson 1 (JAD): 4.4.2.2 – Rate of photosynthesis investigation Lesson 2 (CLP): 4.4.2.3 – Metabolism	Lesson 1: 4.5.4 – Plant hormones recap Lesson 2: 4.6.1 – Reproduction recap Lesson 3: 4.6.2 – Variation and evolution recap	Lesson 1: 4.6.4 – Classification of organisms recap Lesson 2: 4.7.1 – Adaptations recap Lesson 3: 4.7.2 – Organisation of ecosystem recap	Lesson 1: 4.7.3 – Biodiversity and human interactions on ecosystem recap Lesson 2: Practise exam questions Lesson 3: Practise exam questions
Key Words Level 2 Level 3	Identify, describe, explain, compare, evaluate	Identify, describe, explain, compare, evaluate Heart rate, breathing, haemoglobin, diffusion, alveoli, capillary, pulmonary artery, pulmonary vein, aorta, vena cava	Identify, describe, explain, compare, evaluate Heart rate, breathing, haemoglobin, diffusion, alveoli, capillary, pulmonary artery, pulmonary vein, aorta, vena cava	Identify, describe, explain, compare, evaluate Linked directly to specific unit section	Identify, describe, explain, compare, evaluate Linked directly to specific unit section	Identify, describe, explain, compare, evaluate Linked directly to specific unit section
Common Misconceptions	Identified from assessment	Everyones heart rate changes the same in response to exercise	Everyones heart rate changes the same in response to exercise	Identified during active questioning and modelling	Identified during active questioning and modelling	Identified during active questioning and modelling
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	6 mark in class questions	6 mark in class questions	6 mark in class questions	Paper 1 external exam – date TBC	Paper 1 external exam – date TBC	Paper 1 external exam – date TBC

Career opportunities	LIFE SKILLS: Resi	lience and	LIFE SKILLS: Und	lerstanding how	LIFE SKILLS: Und	lerstanding how	LIFE SKILLS: Resi	ilience and	LIFE SKILLS: Res	ilience and	LIFE SKILLS: Res	ilience and
Employment Links	organisation		exercise affects	the body	exercise affects	the body	organisation		organisation		organisation	
	EMPLOYMENT:	Research scientist	EMPLOYMENT:	Physiotherapist,	EMPLOYMENT:	Physiotherapist,	EMPLOYMENT:	Research scientist	EMPLOYMENT:	Research scientist	EMPLOYMENT:	Research scientist
			personal trainer	, sports coach, PE	personal trainer	, sports coach, PE						
			teacher		teacher							
Employability Skills	Aiming high	<mark>Literacy</mark>	Aiming high	<mark>Literacy</mark>	Aiming high	<mark>Literacy</mark>	Aiming high	<mark>Literacy</mark>	Aiming high	<mark>Literacy</mark>	Aiming high	<mark>Literacy</mark>
	Creativity	Numeracy Page 1	Creativity	Numeracy	Creativity	Numeracy	Creativity	Numeracy Page 1981	Creativity	Numeracy	Creativity	Numeracy
	Leadership	<u>Independence</u>	Leadership	Independence	Leadership	Independence	Leadership	<mark>Independence</mark>	Leadership	Independence	Leadership	<mark>Ind</mark> ependence
	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication
	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork
	Problem solving		Problem solving		Problem solving		Problem solving		Problem solving		Problem solving	
	Staying positive		Staying positive		Staying positive		Staying positive		Staying positive		Staying positive	
IT Skills	IT2: Kerboodle a	and Everlearner	IT2: Kerboodle a	and Everlearner	IT2: Kerboodle a	and Everlearner	IT2: Kerboodle a	and Everlearner	IT2: Kerboodle	and Everlearner	IT2: Kerboodle a	and Everlearner
	homeworks		homeworks		homeworks		homeworks		homeworks		homeworks	

Summer 2		Year 10			Year 11	
Julilliei Z	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)
Week 34 (w/b 5 th Jun)	Lesson 1: Review unit 1 for mock exam Lesson 2: Review unit 2 for mock exam Lesson 3: Review unit 3 for mock exam	Lesson 1: 4.4.2.3 - Metabolism Lesson 2: Section review	X4 Lesson 1: 4.4.2.3 - Metabolism Lesson 2: Section review X5 Lesson 1 (JAD): 4.4.1.3 – Uses of glucose from photosynthesis Lesson 2 (CLP): Section review	Lesson 1: 4.6.3/4 – Development of genetics and evolution/classification recap Lesson 2: 4.7.1 – Adaptations recap Lesson 3: 4.7.2 Organisation recap	Lesson 1: Required practicals recap Lesson 2: Required practicals recap Lesson 3: Required practicals recap	Lesson 1: Required practicals recap Lesson 2: Required practicals recap Lesson 3: Required practicals recap
Key Words	Identify, describe, explain,	Identify, describe, explain,	Identify, describe, explain,	Identify, describe, explain,	Identify, describe, explain,	Identify, describe, explain, compare,
Level 2	compare, evaluate	compare, evaluate	compare, evaluate	compare, evaluate	compare, evaluate	<mark>evaluate</mark>
Level 3	Subject specific keywords directly linked to units 1-4	Subject specific keywords directly linked to units 1-4	Subject specific keywords directly linked to units 1-4	Subject specific keywords directly linked to units 5-8	Subject specific keywords directly linked to units 5-8	Subject specific keywords directly linked to units 5-8
Common	Identified from active questioning	Identified from active questioning	Identified from active questioning	Identified from active questioning	Identified from active	Identified from active questioning
Misconceptions					questioning	
Homework	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to	Kerboodle task suitable to ability of
	group	group.	group.	group.	ability of group.	group.
Assessment this	Paper 1 mock exam w/b 19 th & 26 th	Paper 1 mock exam w/b 19 th & 26 th	Paper 1 mock exam w/b 19 th & 26 th	Paper 2 external exam – date TBC	Paper 2 external exam –	Paper 2 external exam – date TBC
half-term	June	June	June	1155 01011 0 0	date TBC	1155 67411 6 7 11 0 1 11
Career opportunities	LIFE SKILLS: Resilience and	LIFE SKILLS: Resilience and	LIFE SKILLS: Resilience and	LIFE SKILLS: Resilience &	LIFE SKILLS: Resilience &	LIFE SKILLS: Resilience & organisation
Employment Links	organisation EMPLOYMENT: Research scientist,	organisation EMPLOYMENT: Research scientist,	organisation EMPLOYMENT: Research scientist,	organisation EMPLOYMENT:	organisation EMPLOYMENT:	EMPLOYMENT: www.rsb.org.uk/careers-and-
	science teacher	science teacher	science teacher	www.rsb.org.uk/careers-and-	www.rsb.org.uk/careers-	cpd/careers
	Science teacher	Science teacher	science teacher	cpd/careers	and-cpd/careers	<u>cpu/careers</u>
Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Pramwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Pramwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Pramwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Listeracy Numeracy Independence Communication Teamwork Teamwork	Aiming high Creativity Leadership Independence Communication Presenting Problem solving Staying positive	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive Literacy Numeracy Independence Communication Teamwork Teamwork
IT Skills	IT2: Kerboodle & Everlearner homework	IT2: Kerboodle & Everlearner homework	IT2: Kerboodle & Everlearner homework	IT2: Kerboodle & Everlearner homework	IT2: Kerboodle & Everlearner homework	IT2: Kerboodle & Everlearner homework
Notes	HOMEWORK	Homework	Homework	Peak exam season so lesson attenda	11	

	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)
Week 35	Lesson 1: Review unit 4 for mock	Lesson 1: Review unit 1 & 2 for	X4	Lesson 1: 4.7.3 – Biodiversity recap	Lesson 1: Required	Lesson 1: Required practicals recap
(w/b 12 th Jun)	exam	mock exam	Lesson 1: Review unit 1 & 2 for	Lesson 2: 4.7.4 – Trophic levels	practicals recap	Lesson 2: Required practicals recap
	Lesson 2: Review practicals for	Lesson 2: Review unit 3 & 4 for	mock exam	recap	Lesson 2: Required	Lesson 3: Required practicals recap
	mock exam	mock exam	Lesson 2: Review unit 3 & 4 for	Lesson 3: 4.7.5 – Food production	practicals recap	
	Lesson 3: Review practicals for		mock exam	recap	Lesson 3: Required	
	mock exam				practicals recap	
			X5			
			Lesson 1 (JAD): Review unit 1 & 2			
			for mock exam			
			Lesson 2 (CLP): Review unit 3 & 4			
14 - 144 I -	the street of the street		for mock exam		Library Construction and the	the effective the section of the section of
Key Words	Identify, describe, explain,	Identify, describe, explain,	Identify, describe, explain,	Identify, describe, explain,	Identify, describe, explain,	Identify, describe, explain, compare,
Level 2 Level 3	compare, evaluate Subject specific keywords directly	compare, evaluate Subject specific keywords directly	compare, evaluate Subject specific keywords directly	compare, evaluate Subject specific keywords directly	compare, evaluate Subject specific keywords	evaluate Subject specific keywords directly
Level 5	linked to units 1-4	linked to units 1-4	linked to units 1-4	linked to units 5-8	directly linked to units 5-8	linked to units 5-8
Common	Identified from active questioning	Identified from active questioning	Identified from active questioning	Identified from active questioning	Identified from active	Identified from active questioning
Misconceptions	lacitimea from active questioning	lacitatica from active questioning	identified from detive questioning	lacitation active questioning	questioning	racitimea from active questioning
Homework	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to	Kerboodle task suitable to ability of
- I I I I I I I I I I I I I I I I I I I	group	group.	group.	group.	ability of group.	group.
Assessment this	Paper 1 mock exam w/b 19 th & 26 th	Paper 1 mock exam w/b 19 th & 26 th	Paper 1 mock exam w/b 19 th & 26 th	Paper 2 external exam – date TBC	Paper 2 external exam –	Paper 2 external exam – date TBC
half-term	June	June	June	'	date TBC	'
Career opportunities	LIFE SKILLS: Resilience and	LIFE SKILLS: Resilience and	LIFE SKILLS: Resilience and	LIFE SKILLS: Resilience &	LIFE SKILLS: Resilience &	LIFE SKILLS: Resilience & organisation
Employment Links	organisation	organisation	organisation	organisation	organisation	EMPLOYMENT:
	EMPLOYMENT: Research scientist,	EMPLOYMENT: Research scientist,	EMPLOYMENT: Research scientist,	EMPLOYMENT:	EMPLOYMENT:	www.rsb.org.uk/careers-and-
	science teacher	science teacher	science teacher	www.rsb.org.uk/careers-and-	www.rsb.org.uk/careers-	cpd/careers
				cpd/careers	and-cpd/careers	
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy
	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy Leadership Independence	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy
	Leadership Independence Listening Communication	Leadership Independence Listening Communication	Leadership Independence Listening Communication	Leadership Independence Listening Communication	Leadership Independence Listening	Leadership Independence Listening Communication
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Communication	Presenting Teamwork
	Problem solving	Problem solving	Problem solving	Problem solving	Presenting Teamwork	Problem solving
	Staying positive	Staying positive	Staying positive	Staying positive	Problem solving	Staying positive
IT CI-III-	IT2. Kankaa dia 9 Evantaanaan	IT2. Kaula a alla Q Evanla avecan	IT2: Kaulaa alla Q Evanlaannan	IT2. Kanbar dia 9 Evanlarina	Staying positive	IT2. Karla a dia 0 Franta anno a
IT Skills	IT2: Kerboodle & Everlearner homework	IT2: Kerboodle & Everlearner homework	IT2: Kerboodle & Everlearner homework	IT2: Kerboodle & Everlearner homework	IT2: Kerboodle & Everlearner homework	IT2: Kerboodle & Everlearner homework
Notes	Homework	Homework	Homework	Peak exam season so lesson attendar		
Notes				reak exam season so lesson attenual	nice may be sporadic due to ste	duents in scheduled exams
	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)
Week 36	Lesson 1: Mock exams	Lesson 1: Mock exams	X4			
(w/b 19 th Jun)	Lesson 2: Mock exams	Lesson 2: Mock exams	Lesson 1: Mock exams			
	Lesson 3: Mock exams		Lesson 2: Mock exams			
			X5			
			Lesson 1 (JAD): Mock exams			
W. W. I	11-11-11-11-11-11-11-11-11-11-11-11-11-	11	Lesson 2 (CLP): Mock exams			
Key Words	Identify, describe, explain,	Identify, describe, explain,	Identify, describe, explain,			
Level 2	compare, evaluate	compare, evaluate	compare, evaluate			
Level 3	Subject specific keywords directly linked to units 1-4	Subject specific keywords directly linked to units 1-4	Subject specific keywords directly linked to units 1-4			
Common	Identified from active questioning	Identified from active questioning	Identified from active questioning			
Misconceptions	identified from active questioning	identified from active questioning	identified from active questioning			
Homework	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of			
	group	group.	group.			

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Assessment this	Paper 1 mock exam w/b 19 th & 26 th	Paper 1 mock exam w/b 19 th & 26 th	Paper 1 mock exam w/b 19 th & 26 th			
half-term	June	June	June			
Career opportunities	LIFE SKILLS: Resilience and	LIFE SKILLS: Resilience and	LIFE SKILLS: Resilience and			
Employment Links	organisation EMPLOYMENT: Research scientist,	organisation	organisation			
	science teacher	EMPLOYMENT: Research scientist, science teacher	EMPLOYMENT: Research scientist, science teacher			
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy			
Employability Skills	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy			
	Leadership Independence	Leadership Independence	Leadership Independence			
	Listening Communication	Listening Communication	Listening Communication			
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork			
	Problem solving	Problem solving	Problem solving			
cl :!!	Staying positive	Staying positive	Staying positive			
IT Skills	IT2: Kerboodle & Everlearner	IT2: Kerboodle & Everlearner	IT2: Kerboodle & Everlearner			
NI. I	homework	homework	homework			
Notes	Mock exam forthight so lesson atten	dance may be sporadic due to student	s in scheduled exams			
	V1 (Triple)	V2/V2 (Combined Higher)	VA/E/Combined Foundation	V1 (Triple)	V2 (Combined Higher)	V2/V1/VE (Combined Foundation)
Wook 27	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)
Week 37	Lesson 1: Mock exams	Lesson 1: Mock exams	X4 Lesson 1: Mock exams			
(w/b 26 th Jun)	Lesson 2: Mock exams Lesson 3: Mock exams	Lesson 2: Mock exams	Lesson 1: Mock exams Lesson 2: Mock exams			
	Lesson 5. Mock exams		Lesson 2. Mock exams			
			X5			
			Lesson 1 (JAD): Mock exams			
			Lesson 2 (CLP): Mock exams			
Key Words	Identify, describe, explain,	Identify, describe, explain,	Identify, describe, explain,			
Level 2	compare, evaluate	compare, evaluate	compare, evaluate			
Level 3	Subject specific keywords directly	Subject specific keywords directly	Subject specific keywords directly			
	linked to units 1-4	linked to units 1-4	linked to units 1-4			
Common	Identified from active questioning	Identified from active questioning	Identified from active questioning			
Misconceptions						
Homework	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of			
	group	group.	group.			
Assessment this	Paper 1 mock exam w/b 19 th & 26 th	Paper 1 mock exam w/b 19 th & 26 th	Paper 1 mock exam w/b 19 th & 26 th			
half-term	June	June	June			
Career opportunities	LIFE SKILLS: Resilience and	LIFE SKILLS: Resilience and	LIFE SKILLS: Resilience and			
Employment Links	organisation	organisation	organisation			
	EMPLOYMENT: Research scientist,	EMPLOYMENT: Research scientist,	EMPLOYMENT: Research scientist,			
	science teacher	science teacher	science teacher			
Employability Skills	Aiming high Literacy	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	Problem solving	Problem solving			
	Staying positive	Staying positive	Staying positive			
IT Skills	IT2: Kerboodle & Everlearner	IT2: Kerboodle & Everlearner	IT2: Kerboodle & Everlearner			
	homework	homework	homework			
Notes	Mock exam fortnight so lesson atten	dance may be sporadic due to student	s in scheduled exams			
	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)
Week 38	Work experience	Work experience	Work experience			
(w/b 3 rd July)						
		•	•			

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Key Words Level 2						
Level 3						
Common						
Misconceptions						
Homework						
Assessment this						
half-term						
Career opportunities						
Employment Links						
Employability Skills						
IT Skills						
	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)
Week 39	Lesson 1: Exemplars from mock	Lesson 1: Exemplars from mock	Х4			
(w/b 10 th July)	Lesson 2: Exemplars from mock	Lesson 2: Exemplars from mock	Lesson 1: Exemplars from mock			
	Lesson 3: Feedback		Lesson 2: Exemplars from mock			
			Ve			
			X5			
			Lesson 1 (JAD): Exemplars from mock			
			Lesson 2 (CLP): Exemplars from			
			mock			
Key Words	Identify, describe, explain,	Identify, describe, explain,	Identify, describe, explain,			
<mark>Level 2</mark>	compare, evaluate	compare, evaluate	compare, evaluate			
Level 3	Subject specific keywords directly	Subject specific keywords directly	Subject specific keywords directly			
_	linked to units 1-4	linked to units 1-4	linked to units 1-4			
Common Misconceptions	Identified from mock	Identified from mock	Identified from mock			
Homework	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of			
TIOTHEWOTK	group	group.	group.			
Assessment this	6 mark in class questions	6 mark in class questions	6 mark in class questions			
half-term	·	·	·			
Career opportunities	LIFE SKILLS: Resilience and	LIFE SKILLS: Resilience and	LIFE SKILLS: Resilience and			
Employment Links	organisation	organisation	organisation			
	EMPLOYMENT: Research scientist,	EMPLOYMENT: Research scientist,	EMPLOYMENT: Research scientist,			
Employability Chills	science teacher Aiming high Literacy	science teacher Aiming high Literacy	science teacher Aiming high Literacy			
Employability Skills	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy			
	Leadership Independence	Leadership Independence	Leadership Independence			
	Listening Communication	Listening Communication	Listening Communication			
	Presenting Teamwork Problem solving	Presenting Teamwork Problem solving	Presenting Teamwork Problem solving			
	Staying positive	Staying positive	Staying positive			
IT Skills	IT2: Kerboodle & Everlearner	IT2: Kerboodle & Everlearner	IT2: Kerboodle & Everlearner			
	homework	homework	homework			
	X1 (Triple)	X2/X3 (Combined Higher)	X4/5 (Combined Foundation)	X1 (Triple)	X2 (Combined Higher)	X3/X4/X5 (Combined Foundation)
Week 40	Lesson 1: Feedback	Lesson 1: Feedback	X4			
(w/b 17 th July)	Lesson 2: Feedback	Lesson 2: Feedback	Lesson 1: Feedback			
	Lesson 3: Feedback		Lesson 2: Feedback			
			X5			
			Lesson 1 (JAD): Feedback			
			Lesson 2 (CLP): Feedback			
	I .	1	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			

Key Words	Identify, describ	be, explain.	Identify, descr	ibe, explain.	Identify, descr	ibe, explain.
Level 2	compare, evalu		compare, eval		compare, eval	
Level 3		keywords directly		ic keywords directly		ic keywords directly
	linked to units 1		linked to units		linked to units	
Common	Identified from		Identified from		Identified fron	
Misconceptions						
Homework	Kerboodle task	suitable to ability of	Kerboodle tas	k suitable to ability of	Kerboodle tas	k suitable to ability of
	group	·	group.	·	group.	·
Assessment this	6 mark in class (questions	6 mark in class	s questions	6 mark in class	s questions
half-term						
Career opportunities	LIFE SKILLS: Res	silience and	LIFE SKILLS: Re	esilience and	LIFE SKILLS: Re	esilience and
Employment Links	organisation		organisation		organisation	
	EMPLOYMENT:	Research scientist,	EMPLOYMENT	: Research scientist,	EMPLOYMENT	Γ: Research scientist,
	science teacher	ſ	science teache	er	science teache	er
Employability Skills	Aiming high	<mark>Literacy</mark>	Aiming high	<mark>Literacy</mark>	Aiming high	<mark>Literacy</mark>
	Creativity	Numeracy	Creativity	Numeracy	Creativity	Numeracy
	Leadership	Independence	Leadership	Independence	Leadership	Independence
	Listening	Communication To a recognition	Listening	Communication	Listening	Communication
	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork
	Problem solving Staying positive		Problem solving Staying positive	1	Problem solving Staying positive	
IT Skills	IT2: Kerboodle	& Everlearner		e & Everlearner		e & Everlearner
	homework	a Evericaniei	homework	a Evericanie	homework	a Evericariiei