

Year 10A timetable 2016/17 Week beginning			
4 Lessons /3 lessons			
05/09/2016	Complete B4 -Organising- plant organ systems	All pupils started this in yr9	TRIPLE BIOLOGY
12/09/2016	Complete B4 -Organising	Req pract 3 food tests	8.2.1 Required practical activity 1
19/09/2016	Complete B4 -Organising	Req pract 4 amylase	Use a light microscope to observe, draw and label a selection of plant and animal cells.
26/09/2016	P1+3 conservation and dissipation/Energy resources		
03/10/2016	P1+3 conservation and dissipation/Energy resources		8.2.2 Required practical activity 2 (biology only)
10/10/2016	P1+3 conservation and dissipation/Energy resources		Investigate the effect of antiseptics or antibiotics on bacterial growth using agar plates and measuring zones of inhibition. cultures.
17/10/2016	P1+3 conservation and dissipation/Energy resources	Req pract 14 spec heat capacity.	8.2.3 Required practical activity 3
24/10/2016	half term		Investigate the effect of a range of concentrations of salt or sugar solutions on the mass of plant tissue. investigations.
31/10/2016	C3 structure and bonding		8.2.4 Required practical activity 4
07/11/2016	C3 structure and bonding		Use qualitative reagents to test for a range of carbohydrates, lipids and proteins.
14/11/2016	B5/6 communicable diseases/ preventing disease	Bio Req practical 2 antibiotics	To include: Benedict's test for sugars; iodine test for starch; and Biuret reagent for protein.
21/11/2016	B5/6 communicable diseases/ preventing disease		8.2.5 Required practical activity 5
28/11/2016	B5/6 communicable diseases/ preventing disease		Investigate the effect of pH on the rate of reaction of amylase enzyme.
05/12/2016	P12+14 Waves	Req pract 20 Ripple tank	8.2.6 Required practical activity 6
12/12/2016	P12+14 Waves		Investigate the effect of light intensity on the rate of photosynthesis using an aquatic organism such as pondweed.
19/12/2016	xmas hol		8.2.7 Required practical activity 7
26/12/2016	xmas hol		Plan and carry out an investigation into the effect of a factor on human reaction time.
02/01/2017	P13 Electromagnetic waves	Req pract 21 IR radiation	to a chosen factor.
09/01/2017	C5 chemical changes	Req pract 8 prepare a salt	8.2.8 Required practical activity 8 (biology only)
16/01/2017	C5 chemical changes		Investigate the effect of light or gravity on the growth of newly germinated seedlings.
23/01/2017	C6 Electrolysis	Req pract 9 electrolysis	Record results both as length measurements and as accurate, labelled biological drawings to show the effects.
30/01/2017	P6 Molecules and matter	Req pract 17 densities	8.2.9 Required practical activity 9
06/02/2017	P6 Molecules and matter		Measure the population size of a common species in a habitat.
13/02/2017	B7 Non-communicable diseases		Use sampling techniques to investigate the effect of a factor on the distribution of this species.
20/02/2017	P2 energy transfer	Phy req practical 2 thermal insulators	8.2.10 Required practical activity 10 (biology only)
27/02/2017	half term		Investigate the effect of temperature on the rate of decay of fresh milk by measuring pH change.
06/03/2017	C4/C7 chemical calculations/energy changes	chem Req practical 2 titrations	Triple chem
13/03/2017	C4/C7 chemical calculations/energy changes	Req pract 10 temperature changes	8.2.1 Required practical activity 1
20/03/2017	P10 forces	Req pract 18 forces and extension spring	Preparation of a pure, dry sample of a soluble salt from an insoluble oxide or carbonate, using a Bunsen burner to heat dilute acid and a water bath or electric heater to evaporate the solution.
27/03/2017	P10 forces	Req pract 19 forces and acceleration	8.2.2 Required practical activity 2
03/04/2017	P10 forces		(Chemistry only) determination of the reacting volumes of solutions of a strong acid and a strong alkali by titration.
10/04/2017	half term		(HT only) determination of the concentration of one of the solutions in mol/dm ³ and g/dm ³ from the reacting volumes and the known concentration of the other solution.
17/04/2017	C13/14 the earths atmosphere/using resources	Req pract 13 purify water	8.2.3 Required practical activity 3
24/04/2017	C13/14 the earths atmosphere/using resources	Req practical 7 identifying ions	
01/05/2017	P4/P5 electrical circuits		Investigate what happens when aqueous solutions are electrolysed using inert electrodes. This should be an investigation involving developing a hypothesis.
08/05/2017	P4/P5 electrical circuits	Req pract 15 resistance	8.2.4 Required practical activity 4
15/05/2017	P4/P5 electrical circuits	Req pract 16 IV electrical components	Investigate the variables that affect temperature changes in reacting solutions such as, eg acid plus metals, acid plus carbonates, neutralisations, displacement of metals.
22/05/2017	B16/ 17/18 ecology/ecosystem/biodiversity		8.2.5 Required practical activity 5
29/05/2017	B16/ 17/18 ecology/ecosystem/biodiversity	Req pract 7 population size- ecology trip	Investigate how changes in concentration affect the rates of reactions by a method involving measuring the volume of a gas produced and a method involving a change in colour or turbidity. This should be an investigation involving developing a hypothesis.
05/06/2017	half term	bio Req practical 10- decaying milk	8.2.6 Required practical activity 6
12/06/2017	B16/ 17/18 ecology/ecosystem/biodiversity		Investigate how paper chromatography can be used to separate and tell the difference between coloured substances. Students should calculate Rf values
19/06/2017	Rev		8.2.7 Required practical activity 7 (chemistry only)
26/06/2017	Rev	exams EOY /Drop down days?	Use of chemical tests to identify the ions in unknown single ionic compounds covering the ions from sections Flame tests through to Sulfates
03/07/2017	Catch up		8.2.8 Required practical activity 8
10/07/2017	Catch up		Analysis and purification of water samples from different sources, including pH, dissolved solids and distillation.
17/07/2017	WORK EXP	WORK EXP	Triple physics
24/07/2017	summer hol		8.2.1 Required practical activity 1