Curriculum Area: Triple Award Science Year: 11

2015/2016

Topics	Year Curriculum	How you can support learning at home, eg. Books, websites, family learning through visits.
Module 1	This is an Additional Science Unit. The outcomes	Purchase the revision guides and question booklets that
B4 It's a Green World	in this unit are aimed at furthering the Scientific	are advertised and sold by the school (These cover all Core
a Ecology in the local environment	knowledge of pupils and should enable an A level	Y10 and Additional Units).
b Photosynthesis	Standard to be accessed. It is assessed by 2	110 and Additional Offics).
c Leaves and photosynthesis	Biology exams in the summer and a piece of	Monitor and support the completion of your child's
d Diffusion and osmosis	Biology Controlled assessment that has to be	homework.
e Transport in plants	completed in School. The topics changes yearly	nomework.
f Plants need minerals	and always coincide with one of the topics	Use:-
g Decay	displayed in the first column. Exam 1 is worth	http://www.bbc.co.uk/schools/gcsebitesize/science/triple
h Farming	35% exam 2 is worth 40% and the Controlled	_ocr_gateway/
	Assessment is worth 25% of the total.	<u> ou gaterrayr</u>
		Support you child after the completion of the end of Unit
		tracking.
Module 2	This is an Additional Science Unit. The outcomes	Purchase the revision guides and question booklets that
C4 The Periodic Table	in this unit are aimed at furthering the Scientific	are advertised and sold by the school (These cover all Core
a Atomic structure	knowledge of pupils and should enable an A level	Y10 and Additional Units).
b Ionic bonding	Standard to be accessed. It is assessed by 2	
c The Periodic Table and covalent bonding	Chemistry exams in the summer and a piece of	Monitor and support the completion of your child's
d The Group 1 elements	Chemistry Controlled assessment that has to be	homework.
e The Group 7 elements	completed in School. The topics changes yearly	
f Transition elements	and always coincide with one of the topics	Use:-
g Metal structure and properties	displayed in the first column. Exam 1 is worth	http://www.bbc.co.uk/schools/gcsebitesize/science/triple
h Purifying and testing water	35% exam 2 is worth 40% and the Controlled	ocr_gateway/
	Assessment is worth 25% of the total.	
		Support you child after the completion of the end of Unit
		tracking.
Module 3	This is an Additional Science Unit. The outcomes	Purchase the revision guides and question booklets that
P4 Radiation for Life	in this unit are aimed at furthering the Scientific	are advertised and sold by the school (These cover all Core
a Sparks	knowledge of pupils and should enable an A level	Y10 and Additional Units).



b Uses of electrostatics	Standard to be accessed. It is assessed by 2	
c Safe Electricals	Physics exams in the summer and a piece of	Monitor and support the completion of your child's
d Ultrasound	Physics Controlled assessment that has to be	homework.
e What is radioactivity?	completed in School. The topics changes yearly	
f Uses of radioisotopes	and always coincide with one of the topics	Use:-
g Treatment	displayed in the first column. Exam 1 is worth	http://www.bbc.co.uk/schools/gcsebitesize/science/triple
h Fission and fusion	35% exam 2 is worth 40% and the Controlled	ocr gateway/
	Assessment is worth 25% of the total.	
		Support you child after the completion of the end of Unit
		tracking.
Module 4	This Unit is only completed by Triple Science	Purchase the revision guides and question booklets that
B5 The Living Body	candidates and is aimed at stretching and	are advertised and sold by the school (These cover all Core
a Skeletons	furthering the Scientific knowledge of all higher	Y10 and Additional Units).
b Circulatory systems and the cardiac cycle	ability pupils. It is assessed by 2 Biology exams in	
c Running repairs	the summer and a piece of Biology Controlled	Monitor and support the completion of your child's
d Respiratory systems	assessment that has to be completed in School.	homework.
e Digestion	The topics changes yearly and always coincide	
f Waste disposal	with one of the topics displayed in the first	Use:-
g Life goes on	column. Exam 1 is worth 35% exam 2 is worth	http://www.bbc.co.uk/schools/gcsebitesize/science/triple
h Growth and repair	40% and the Controlled Assessment is worth 25%	ocr gateway/
	of the total.	
		Support you child after the completion of the end of Unit
		tracking.
Module 5	This Unit is only completed by Triple Science	Purchase the revision guides and question booklets that
C5 How Much (Quantitative Analysis)	candidates and is aimed at stretching and	are advertised and sold by the school (These cover all Core
a Moles and molar mass	furthering the Scientific knowledge of all higher	Y10 and Additional Units).
b Percentage composition and empirical formula	ability pupils. It is assessed by 2 Chemistry exams	
c Quantitative analysis	in the summer and a piece of Chemistry	Monitor and support the completion of your child's
d Titrations	Controlled assessment that has to be completed	homework.
e Gas volumes	in School. The topics changes yearly and always	
f Equilibria	coincide with one of the topics displayed in the	Use:-
g Strong and weak acids	first column. Exam 1 is worth 35% exam 2 is	http://www.bbc.co.uk/schools/gcsebitesize/science/triple
h Ionic equations and precipitation	worth 40% and the Controlled Assessment is	_ocr_gateway/
	worth 25% of the total.	



		T
		Support you child after the completion of the end of Unit tracking.
Module 6 P5 Space for Reflection a Satellites, gravity and circular motion b Vectors and equations of motion c Projectile motion d Action and reaction e Satellite communication f Nature of waves g Refraction of waves h Optics	This Unit is only completed by Triple Science candidates and is aimed at stretching and furthering the Scientific knowledge of all higher ability pupils. It is assessed by 2 Physics exams in the summer and a piece of Physics Controlled assessment that has to be completed in School. The topics changes yearly and always coincide with one of the topics displayed in the first column. Exam 1 is worth 35% exam 2 is worth 40% and the Controlled Assessment is worth 25% of the total.	Purchase the revision guides and question booklets that are advertised and sold by the school (These cover all Core Y10 and Additional Units). Monitor and support the completion of your child's homework. Use:- http://www.bbc.co.uk/schools/gcsebitesize/science/triple ocr_gateway/
		Support you child after the completion of the end of Unit tracking.
Module 7 B6 Beyond the Microscope a Understanding microbes b Harmful microorganisms c Useful microorganisms d Biofuels e Life in soil f Microscopic life in water g Enzymes in action h Gene technology	This Unit is only completed by Triple Science candidates and is aimed at stretching and furthering the Scientific knowledge of all higher ability pupils. It is assessed by 2 Biology exams in the summer and a piece of Biology Controlled assessment that has to be completed in School. The topics changes yearly and always coincide with one of the topics displayed in the first column. Exam 1 is worth 35% exam 2 is worth 40% and the Controlled Assessment is worth 25% of the total.	Purchase the revision guides and question booklets that are advertised and sold by the school (These cover all Core Y10 and Additional Units). Monitor and support the completion of your child's homework. Use:- http://www.bbc.co.uk/schools/gcsebitesize/science/triple_ocr_gateway/
		Support you child after the completion of the end of Unit tracking.
Module 8 <u>C6 Chemistry Out There</u> a Electrolysis	This Unit is only completed by Triple Science candidates and is aimed at stretching and furthering the Scientific knowledge of all higher	Purchase the revision guides and question booklets that are advertised and sold by the school (These cover all Core Y10 and Additional Units).



b Energy transfers – fuel cells c Redox reactions d Alcohols e Depletion of the ozone layer f Hardness of water g Natural fats and oils h Detergents	ability pupils. It is assessed by 2 Chemistry exams in the summer and a piece of Chemistry Controlled assessment that has to be completed in School. The topics changes yearly and always coincide with one of the topics displayed in the first column. Exam 1 is worth 35% exam 2 is worth 40% and the Controlled Assessment is worth 25% of the total.	Monitor and support the completion of your child's homework. Use:- http://www.bbc.co.uk/schools/gcsebitesize/science/triple ocr_gateway/
		Support you child after the completion of the end of Unit tracking.
Module 9	This Unit is only completed by Triple Science	Purchase the revision guides and question booklets that
P6 Electricity for Gadgets	candidates and is aimed at stretching and	are advertised and sold by the school (These cover all Core
a Resisting	furthering the Scientific knowledge of all higher	Y10 and Additional Units).
b Sharing	ability pupils. It is assessed by 2 Physics exams in	
c It's logical	the summer and a piece of Physics Controlled	Monitor and support the completion of your child's
d Even more logical	assessment that has to be completed in School.	homework.
e Motoring	The topics changes yearly and always coincide	
f Generating	with one of the topics displayed in the first	Use:-
g Transforming	column. Exam 1 is worth 35% exam 2 is worth	http://www.bbc.co.uk/schools/gcsebitesize/science/triple
h Charging	40% and the Controlled Assessment is worth 25%	ocr gateway/
	of the total.	
		Support you child after the completion of the end of Unit tracking.

