

# St. Aidan's Catholic Academy

## Y9 Combined Science: Trilogy (AQA)

Half Term	Curriculum Content	Suggest Reading or Extension Activities
Autumn HT1	<p><b>Students will follow the AQA Combined Science: Trilogy Course (8684)</b></p> <p>C1- Atomic Structure and the Periodic Table C2- Bonding Structure and properties</p>	<p>Higher Revision Guide C1-96-112 C2- 113-122 Foundation Revision Guide C1-96-112 C2-113-122</p>
Autumn HT2	<p>C3- Quantitative Chemistry, Calculations, relative formula mass, reacting masses C4- Chemical Changes: Reactivity Series, Extraction, Displacement, Reactions of metals &amp; acids, making salts, pH Scale, acids and alkalis, Electrolysis C5- Energy Changes: Endo &amp; Exothermic reactions, reaction profiles and bond energy</p>	<p>Higher Revision Guide C3- 123-127 C4-129-137 C5-138-141 Foundation Revision Guide C3-123-127 C4- 128-133 C5-134-136</p>
Spring HT3	<p>B1- Cells, magnification, STEM cells, diffusion, osmosis and active transport</p>	<p>Higher Revision Guide B1-11-23 Foundation Revision Guide B1-11-23</p>
Spring HT4	<p>B2- Organ systems, Plant transport and health and disease B3- Infection and response, vaccination</p>	<p>Higher Revision Guide B2- 24-41 B3- 42-49 Foundation Revision Guide B2- 24-41 B3- 42-49</p>
Summer HT5	<p>B4- Bioenergetics, photosynthesis, transpiration and respiration P1- Energy Stores, transfers, resources, efficiency and power</p>	<p>Higher Revision Guide B4- 50-56 P1- 167-179 Foundation Revision Guide B4-50-56 P1- 167-179</p>
Summer HT6	<p>P1- Energy Stores, transfers, resources, efficiency and power P2- Electricity, circuits, Types of electricity and safety P3- States of matter, internal energy, density and pressure in gases</p>	<p>Higher Revision Guide P1- 167-179 P2- 180-192 P3- 193-196 Foundation Revision Guide P1- 167-179 P2- 180-192 P3- 193-196</p>

Half Term	Assessment Tasks
Autumn HT 1	C1- Knowledge Counts (10mins) C1- Written assessment (exam style questions) (20mins) C1- End of Topic Test(~30mins) C2- Knowledge Counts (10mins) C2- End of Topic Test(~30mins)
Autumn HT 2	C3- Knowledge Counts (10mins) C3- Written assessment (exam style questions) (20mins) C4- Knowledge Counts (10mins) C4- Written assessment (exam style questions) (20mins) C4- End of Topic Test(~30mins) C5- Knowledge Counts (10mins) Chemistry- Mock Paper 1 (1hr 15min)
Spring HT	B1- Knowledge Counts (10mins) B1- Written assessment (exam style questions) (20mins) B1- End of Topic Test(~30mins) B2- Knowledge Counts (10mins)
Spring HT 4	B2- Written assessment (exam style questions) (20mins) B2- End of Topic Test(~30mins) B3- Knowledge Counts (10mins) B3- Written assessment (exam style questions) (20mins) B3- End of Topic Test(~30mins)
Summer HT 5	B4- Knowledge Counts (10mins) B4- Written assessment (exam style questions) (20mins) B4- End of Topic Test(~30mins) Biology- Mock Paper 1 (1hr 15min) P1- Knowledge Counts (10mins) P1- Written assessment (exam style questions) (20mins)
Summer HT6	P1- End of Topic Test(~30mins) P2- Knowledge Counts (10mins) P2- Written assessment (exam style questions) (20mins) P2- End of Topic Test(~30mins) P3- Knowledge Counts (10mins) P3- End of Topic Test(~30mins)

Parents /Carers can help their child by:	Encourage/ help their sons to learn the Knowledge Counts material Encourage/ help their sons to learn the Knowledge Counts material Purchasing a revision guide from the school £5:50 or from a bookstore/ online (~£10) Helping their sons learn how to revise so they know how to prepare themselves prior to assessment; making sure that students are not distracted by their phones/ computers or other devices and that they try various approaches to revision. Checking their sons are completing homework set either via parent ebackpack or planners.
Useful websites	<a href="http://www.educake.co.uk">www.educake.co.uk</a> Science homework is set through this site. <a href="http://www.bbc.co.uk/education/subjects/zrkw2hv">http://www.bbc.co.uk/education/subjects/zrkw2hv</a> <a href="https://revisionscience.com/gcse-revision">https://revisionscience.com/gcse-revision</a> <a href="https://www.youtube.com/user/myGCSEscience">https://www.youtube.com/user/myGCSEscience</a> <a href="http://www.qcsescience.com/">http://www.qcsescience.com/</a>

	<a href="http://www.gojimo.com/gcse-science-revision/">http://www.gojimo.com/gcse-science-revision/</a> (need to set up an account and download app onto phones- a good free app for short multichoice questions)
Revision Sources	Revision guide available from school £5:50 Any book that refers to the AQA Combined Science: Trilogy Course Websites (as above)
Extra Curricula Activities	Work Discovery days STEM Activity days

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