



Science – Middle B E S

**1 - INTENT**

In (lower School) students will follow a two-year programme – This year they are following Year 1

Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
1	AQA Entry level Science 5960 – Physics - Energy and forces			AQA Entry level Science 5960 – Biology - The Human Body		
Assessment	Pupil individual progress assessment document. Assessed practical skills A,B,C	Pupil individual progress assessment document. Assessed practical skills D,E	Pupil individual progress assessment document	Pupil individual progress assessment document	Pupil individual progress assessment document. Assessed practical skills A,B,C,D,E	Pupil individual progress assessment document
2	AQA Entry level Science 5960 – Chemistry – Elements, mixtures and compounds			Portfolio work and final examinations		
Assessment	Pupil individual progress assessment document	Pupil individual progress assessment document. Assessed practical skills A,B,C,D,E	Pupil individual progress assessment document	Production of personal portfolio, terminal examinations. External assessment.		

**2 - IMPLEMENTATION** - can be seen in subject Mid-Term plans



**3 - IMPACT**

	Autumn			Spring		Summer
Year 1	Pupils will be able to demonstrate a knowledge and have practical skills to demonstrate understanding of energy forms, transfers and efficiency, how to reduce energy usage and heat loss. Pupils will have started the assessed practical work.	Pupils will be able to demonstrate a knowledge and have practical skills to demonstrate understanding of the earth's natural energy resources, renewable v non-renewable sources. Pupils will complete the assessed practical work.	Pupils will be able to demonstrate a knowledge and have practical skills to demonstrate understanding of forces, stopping distances and reaction times, the structure of the atom and radiation.	Pupils will be able to demonstrate a knowledge and have practical skills to demonstrate knowledge of cell structure, tissues and organs, the circulatory system, the digestive system.	Pupils will be able to demonstrate a knowledge and have practical skills to demonstrate understanding of energy in the body, how lifestyle choices affect health. Pupils will complete the assessed practical work.	Pupils will be able to demonstrate a knowledge and have practical skills to demonstrate knowledge of how the body fights disease, how antibiotic and vaccinations help us, how the body is co-ordinated, the effects of hormones on the body.
Year 2	Pupils will be able to demonstrate a knowledge and have practical skills to demonstrate knowledge of atoms and elements, the periodic table, reactions with oxygen, word equations	Pupils will be able to demonstrate a knowledge and have practical skills to demonstrate knowledge of states of matter, separation techniques. Pupils will complete the assessed practical work.	Pupils will be able to demonstrate a knowledge and have practical skills to demonstrate knowledge of metals and ores, distribution of ores and extraction techniques, alloys, polymers – production, form and environmental concerns.	Pupils will complete their personal portfolios and sit exams for submission to the AQA exam board for external assessment.		

**SUPPORT – You can support your child's learning**

e.g.  
'Equipment  
Homework/Extension Tasks