



ST. CATHERINE'S COLLEGE

A CHURCH OF ENGLAND ACADEMY

Learning overview for: Science			Year group: 8	
Term	Key topics / scheme of work	What most pupils will learn (Prior assessment may alter starting point & content)	Key skills used	How will this learning be assessed?
Terms 1 & 2	Scientific Skills Organisms Forces Matter	Investigation skills, planning, identifying variables and Fair Testing Breathing, diet and digestion Hooke's Law, Fluids and Pressure Periodic Table, Polymers, Ceramics and Composites	Models, Investigative Skills, Using Equations. Graph Drawing	Educake Homework tasks, Extended Writing Tasks and Core Assessments
Terms 3 & 4	Genes Electromag Reactions	Evolution, Biodiversity, Inheritance, Extinction Fields, Forces and Electromagnets Energy Changes, Catalyst and Combustion	Models, Investigative Skills, Using Equations. Graph Drawing	Educake Homework tasks, Extended Writing Tasks and Core Assessments





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Terms 5 & 6	Ecosystems Earth Waves Energy	Respiration, Photosynthesis and Mineral Nutrition Global Warming, Atmosphere and the Carbon Cycle Sound and Light Work, Heating and Insulation	Models, Investigative Skills, Using Equations. Graph Drawing	Educake Homework tasks, Extended Writing Tasks and Core Assessments
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