

SUBJECT: SCIENCE	TEACHERS: Miss L. Assari, Mrs K. Chaytor, Ms S. Murray, Mrs E. Dias, Ms T. Nicholas, Mrs K. Patel, Mr M. Whelehan	HOD: Mrs A. Phillips
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UNIT TITLES	LEARNING OBJECTIVES	ASSESSMENT ASSIGNMENTS
Reactivity	<ul style="list-style-type: none"> • Metals • Reaction of metals • Salts • Reactivity Series • Displacement reaction • Making new compounds 	Reactivity series data analysis and graphing assessment
Forces & Movement	<ul style="list-style-type: none"> • Pressure • Movement • Speeding up • Slowing down 	Practical assessment on speed
Health & Inheritance	<ul style="list-style-type: none"> • Genetics and variation • Inheritance • Selective breeding • Keeping healthy • Fitness 	Extended writing assignment on food and diet Extended writing task on Sarah and Jack and choices about genetics
Energy & Electricity	<ul style="list-style-type: none"> • Energy transfer • Production of electricity • Paying for electricity • Gravity • Solar system 	Assessment on wiring a house
Plants & Photosynthesis	<ul style="list-style-type: none"> • Parts of a plant • Photosynthesis • Plant growth • Controlling growth 	Optional assessment on soil testing
Environmental Chemistry	<ul style="list-style-type: none"> • Distillation • Separating techniques • Neutralisation • Acid rain • Global warming • Chemical reactions • Fertilizers 	Optional APP on data on global climate change
Space, Gravity and the Solar System	<ul style="list-style-type: none"> • Gravity • Weight and Mass • The Solar System • Space exploration • Light and sound in Space 	Assessment on Sparkling Water
Autumn and Spring terms:	Three mock exams	End of KS3 and Year 9 Exam
Summer Term: Unit 1, Biology 1: Keeping Healthy	To develop understanding of: <ul style="list-style-type: none"> • Diet and exercise • Diet and health • Infectious diseases • Antibiotics and painkillers • Immunity and immunisation 	Mock exam questions