

Curriculum Map		Subject	Science Strand B	Year	Year 7	
Unit	Summary	Skills	Assessment	British Values and SMSC	Career links	Cross-curricular links
Space	Introduction to space, gravity, planets, space and time	Calculations/ratios/bar and line graphs	Do now tasks and end of unit retrieval quizzes. Included on Autumn 2 summative assessment	Scientific community. Use of imagination and creativity in there learning.	Astronomy/Engineering / Physicists	
Cells	Introduction to plant and animal cells/using and understanding microscopes	Understanding the difference between plant and animal cells/Simple calculations using Microscope magnification.	Do now tasks and end of unit retrieval quizzes Included on Autumn 2 summative assessment	Scientific community Sense of enjoyment learning about themselves and others	Gardening/Botany/Science technology	Links to year 10 plants and animal cells.
Diet & Nutrition	Introduction to a healthy diet and vitamins required.	Health and safety skills. Being able to decide on what is a healthy food group.	Do now tasks and end of unit retrieval quizzes Included on Spring 2 summative assessment	Scientific community Sense of enjoyment learning about themselves and others	Nutrition/Sports	Physical Education
Gas exchange	Introduction to the lungs and gaseous exchange. Mechanics of breathing.	To link to diffusion and exercise. Drawing skills	Do now tasks and end of unit retrieval quizzes Included on Spring 2 summative assessment	Scientific community Sense of enjoyment learning about themselves and others	Nurse/Doctor/Exercise Physiologist	Year 10-Organisation of animals and plants GCSE PE
Health & Drugs	Effect of drugs on the body. Focus on smoking and alcohol	Experiments on stimulants/ comparing drugs Graphs and data collection	Do now tasks and end of unit retrieval quizzes Included on Spring 2 summative assessment	Discussion of sensitive topic areas. Offering reasoned views about moral and ethical issues.	Pharmaceuticals	Physical education/Sports
Reproduction	Introduction to reproduction, life cycle, puberty, menstruation, contraception and pregnancy.	Understanding of key concepts Comparing and analysing	Do now tasks and end of unit retrieval quizzes Included on Spring 2 summative assessment	Discussion of sensitive topic areas. Offering reasoned views about moral and ethical issues	Nurse/Doctor	PSHE
Human eye	Structure of the human eye.	Understanding key concepts Labelling and identifying	Do now tasks and end of unit retrieval quizzes Included on Summer 2 summative assessment	Sense of enjoyment learning about themselves and others.	Optician/Doctor	Year 10 triple Biology.
Geology	Introduction to different types of rock	Understanding key concepts and comparing rocks	Do now tasks and end of unit retrieval quizzes Included on Summer 2 summative assessment	Scientific community Understanding the world around them	Geologist	Link to water cycle and weathering. Geography
Plants	Introduction to the function and structure of plants. To examine plant reproduction and pollination. Examine photosynthesis	Experiment and using microscopes	Do now tasks and end of unit retrieval quizzes Included on Summer 2 summative assessment	Scientific community.	Botanist/Farming	Link to Geography and year 10 plant reproduction.

Ecosystems	Introduction to food chains, food webs and biodiversity	Experiments using quadrats and working with others	Do now tasks and end of unit retrieval quizzes Included on Summer 2 summative assessment	Scientific community Offering reasoned views about moral and ethical issues	National trust/Park keeper/Environmental scientist	Link to year 11 Biodiversity topic
------------	---	--	---	--	--	------------------------------------

