

Year 1	Topic/Learning Pathway	Key Words	Links to previous learning	Links to wider curriculum
<b>AUTUMN 1</b>	Health and Safety	Hazard, risk, hazardous substance, biohazard, extinguisher, limitation		KS4 - Construction, Autumn 1 – health and safety KS4 - Home cooking, Autumn 1 – weights and measuring,
<b>AUTUMN 2</b>	Health and Safety	Hazard, risk, hazardous substance, biohazard, extinguisher, limitation		KS4 - Construction, Autumn 1 – health and safety KS4 - Home cooking, Autumn 1 – weights and measuring,
<b>SPRING 1</b>	Science and the human body	Risk factor, circulatory, respiratory, nervous, skeletal, muscular, digestive, excretory, endocrine, immune, integumentary, reproductive	KS1 Naming body parts, linking organs to senses, All living things have babies, Requirements for humans- health (water, exercise, types of food, hygiene) KS2 Breaking down food for energy, use of different teeth, function of heart/blood vessels, nutrient transport systems, Nutrition, changes through age in humans, impact of diet/drugs on health, Muscles, skeleton, nerves, nutrient transport	KS3 – PSHE, Autumn 2 – healthy eating KS4 - Maths, Summer 1 – graphs and charts PE, Spring 1 – exercise and the body
<b>SPRING 2</b>	Land maintenance			

<b>SUMMER 1</b>	Plant world	Germination, photosynthesis, gravitropism, hydrotropism, phototropism, NPK, chlorophyll, chloroplast, nucleus, stamen, carpel, pollination, organism, hazard, fertiliser, magnesium, nutrient, shrub	KS2 Parts of plants, needs of plants and their life cycle, living things and their habitats	KS4 - Maths, Summer 1 – area, perimeter and volume KS4 - Construction, Autumn 1 – health and safety
<b>SUMMER 2</b>	Introduction to Animal Care	Nutrition, hydration, gene, disease, pathogen, symptom, selective breeding, desired trait	KS2 Breaking down food for energy, use of different teeth, function of heart/blood vessels, nutrient transport systems, Nutrition, changes through age in humans, impact of diet/drugs on health, Muscles, skeleton, nerves, nutrient transport	

Year 2	Topic/Learning Pathway	Key Words	Links to previous learning	Links to wider curriculum
<b>AUTUMN 1</b>	Science and our Universe	Sun, planet, comet, asteroid, moon, galaxy, electromagnetic spectrum, telescope, space probe, atmosphere, volcano, tectonic plate	KS2 Movement of planets around sun, movement of the Moon, describing earth, moon and sun, day and night, path of sun in sky, seasons, weather associated with the seasons and how day length varies.	KS4 - Maths, Spring 1 – fractions, decimals and percentages. KS3/4 – Maths, Autumn 1 – standard form KS3 – Nurture, Autumn 1/2 – The Martian (planets) KS3- Nurture, Summer 1/2 – The Lord of the Rings (volcanoes)
<b>AUTUMN 2</b>	Making Useful Compounds	Acid, alkali, base, neutralisation, hazard, poisonous, corrosive, toxic, compound	KS2 Changes form new compound, non-reversible changes, dissolving, mixing, states of matter,	KS4 - Maths, Summer 1 – area, perimeter and volume KS4 - Construction, Autumn 1 – health and safety

<b>SPRING 1</b>	<b>Food and Health</b>	Nutrition, diet, carbohydrates, lipids, proteins, coeliac, diabetic	<p>KS1 Requirements for humans- health (water, exercise, types of food, hygiene)</p> <p>KS2 Nutrition, changes through age in humans, impact of diet/drugs on health</p>	<p>KS3 – PSHE, Autumn 2 – healthy eating</p> <p>KS4 - Maths, Spring 1 – fractions, decimals and percentages.</p> <p>KS4 - Home cooking, Autumn 1 – weights and measuring, hygiene</p> <p>KS4 - Home cooking, Autumn 2 – nutrition and recipes</p> <p>KS4 - Home cooking, Spring 1 – meal planning and special diets, practical aspect</p>
<b>SPRING 2</b>	<b>Food and Health</b>	Nutrition, diet, carbohydrates, lipids, proteins, coeliac, diabetic	<p>KS1 Requirements for humans- health (water, exercise, types of food, hygiene)</p> <p>KS2 Nutrition, changes through age in humans, impact of diet/drugs on health</p>	<p>KS3 – PSHE, Autumn 2 – healthy eating</p> <p>KS4 - Maths, Spring 1 – fractions, decimals and percentages.</p> <p>KS4 - Home cooking, Autumn 1 – weights and measuring, hygiene</p> <p>KS4 - Home cooking, Autumn 2 – nutrition and recipes</p> <p>KS4 - Home cooking, Spring 1 – meal planning and special diets, practical aspect</p>
<b>SUMMER 1</b>	Finishing modules/ purple pen Paperwork Submission			
<b>SUMMER 2</b>				