

Science Curriculum Content Overview 22-23

| <u>Year Group</u> | | <u>Aut 1</u> | <u>Aut 2</u> | <u>Spr 1</u> | <u>Spr 2</u> | <u>Sum 1</u> | <u>Sum 2</u> |
|--|--------------------------|---|--|---|--|---|---|
| <u>Elm Rosewood EQUALS KS3</u> | 3 year rolling programme | Green Plants | Keep Healthy | Living things and their environment | | Variation and classification | |
| | | Grouping and classifying materials and their properties | | Changing materials and their properties | | Separating materials and their properties | |
| | | The Earth and beyond | Light and sound | Forces and Motion | | Electricity and magnetism | |
| <u>KS3 rolling programme</u> | 3 year rolling programme | Cells, Organs and Systems Plants | Food and digestion | Respiration and circulation | Microbes and keeping healthy | Variation and Evolution | Rocks and Weathering |
| | | Acids, Alkalis and Indicators | Simple Chemical Reactions | Reactions of metals and non-metals | Using Chemistry | Environmental chemistry and Living Things | Particles and Solutions |
| | | Energy Earth and Beyond | Sound Light | Forces and | Motion Electricity | Magnets | Revision of previous first year topic AQA Unit Award |
| <u>Sycamore ore EQUALS KS1/2</u> | 2 year rolling programme | Animals including Humans Ourselves | Animals including Humans Health and | Animals including Humans Variation and | Animals including Humans Moving and | Plants Growing plants | Plants Helping plants to grow well |

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|--|--------------------------|---|--|--|---------------------------------------|---|----------------------------------|
| | | | Growth | Comparison with plants | Growing | | |
| | | Everyday materials Sorting and using materials | Everyday materials Teeth and Eating | Seasonal Changes Keeping warm | Seasonal Changes Light and Dark | KS2 -Earth and Space The Earth and Beyond | KS2 – Forces Pushes and pulls |
| <u>10/11</u> <u>Over 12</u> <u>half terms</u> | 2 year rolling programme | The Nature and Applications of Energy, Waves and Radiation Energy and Our Universe | The Study of living Systems Biology and Our Environment | Concepts and Techniques for Chemistry Chemistry and Our Earth | Healthy Living Healthy Livingz | Forensic Detection Investigating a crime scene | |

Red are Level 1 qualification. Qualifications in KS4 are matched to allow challenge for all. Therefore tasks will be across the range of level 1 to level 2 pass/merit/distinction.

| External Visits/ Employability Links | | | |
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| KS3 | All to attend BIG BANG FAIR June 2023 to make links with STEAM topics to employment opportunities. | KS4 | All to attend BIG BANG FAIR June 2023 to make links with STEAM topics to employment opportunities. |
| Potential Visits based on topics covered | | | |
| KS3 | Catalyst Visitor Centre Garden Centres Keele/Jodrell Bank Telescopes | KS4 | Garden Centres Zoos/Wildlife Centres Environmental Agency |