

Year 5

| Topic | Autumn 1 Egyptians | Autumn 2 Forces | Spring 1 A to B | Spring 2 In the garden | Summer 1 All Change | Summer 2 To infinity and beyond |
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| Core text & linked texts | There's a pharaoh in my bath Magnificent mummies | Scream Machine The enormous watermelon | Journey (wordless text) The journey home The hare and the tortoise My grandmother's journey From a railway carriage poem | James and the giant peach A bug's life Charlotte's web | What the ladybird heard The ice cream king | Aliens love underpants There's no place like space The way back home Pie Corbett space poems |
| First hand experience (hook) | Western park museum Egyptians experience | Bottle rocket experiment | Treasure hunt style journey around school – following a map/clues | Mini beast hunt Hatching chicks | Our cow Molly visit | Eat like an astronaut <u>Visit to the National Space Centre</u> |
| Fabulous Finish | Museum | Marble run | World food street party | Sunflower contest | Make and sell jelly and ice cream | Art gallery |
| Vocabulary Development | Pharaoh, ancient, Egypt, hieroglyphics, scarab beetle, mummification, Canopic jars, mummy, tomb, pyramid, amulet, delta, Nile, dynasty, civilization latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian | Push, pull, gravity, twist, turn, down, up, force, Newton, fuel, falling, earth, Newtons | Journey, travel, Islam, Islamic, Imam hardness, solubility, transparency, conductivity (electrical and thermal), magnets, magnetic, particle | Minibeast names, plant names, tree names, lifecycle, egg, chick, hatch, crack, hen, mammal, amphibian, reptile | Flavour, mix, melt, dissolve, evaporate, change Seasonality, ingredients, sustainable | Space, planets, infinity, black hole, sun, stars, moon, orbit, earth, light |
| Language function and structure (Tower Hamlets, speak well wheel) | Describing Comparing and contrasting | Deducing Evaluating Predicting | Predicting Deducing | Argument Describing Explaining | Evaluating Deducing Comparing and contrasting | Describing Explaining |
| Writing | Report Newspaper report | Report – bottle rocket launch Biography – famous footballer (link to forces) | Description Narrative | Newspaper – Bug's life Argument Campaign – save the minibeasts | Narrative Advertising – ice cream stall | Narrative Poetry – space theme |

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| | | | | | | Biography – Neil Armstrong |
| GPS | Relative clauses Adverbials Parenthesis | Commas to clarify meaning | Building cohesion | Parenthesis Verb prefixes | Adverbials | Relative clauses Cohesion |
| Maths (White Rose) | | | | | | |
| Maths topic links | Measures – size and scale Shape – pyramids | Measures – distance, weight | Measures – science experiments | Measures – sunflower contest Time – hatching chicks | Money – ice cream stall Data handling – science | Measures – distance, weight, size |
| Science • Scientific enquiry | <ul style="list-style-type: none"> Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary <p>How to mummify an apple</p> | <ul style="list-style-type: none"> Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs <p>Identify the effects of air resistance, water</p> | <p>Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets</p> <p>Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic</p> <p>Bouncy ball experiment – hot water, freezer, air temp</p> | <p>Describe the differences in the life cycles of a mammal, an amphibian, an insect and a birds</p> <p>Hatching chicks</p> <p>James and the giant peach - sorting and classifying</p> <p>Describe the life process of reproduction in some plants and animals.</p> <p>Sunflower growing contest</p> <p>Describe the changes as humans develop to old age</p> <p>Aspirations work – role models to visit school</p> <p>Future self facebook page</p> | <ul style="list-style-type: none"> Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs | <p>Describe the movement of the Earth, and other planets, relative to the Sun in the solar system</p> <p>Physical solar system outdoors</p> <p>Describe the movement of the Moon relative to the Earth</p> <p>Describe the Sun, Earth and Moon as approximately spherical bodies</p> <p>Model solar system</p> <p>Use the idea of the Earth’s rotation to explain day and night</p> |

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| | | <p>resistance and friction, that act between moving surfaces</p> <p>Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.</p> <p>Welcome race fans investigation (ramp and cars etc)</p> <p>BBC bite size forces in action clip</p> <p>Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object</p> <p>Isaac Newton study</p> <p>Bottle rockets</p> | | | <ul style="list-style-type: none"> ▪ Using test results to make predictions to set up further comparative and fair tests <p>Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution</p> <p>Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating</p> <p>Demonstrate that dissolving, mixing and changes of state are reversible changes</p> <p>Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.</p> <p>Weighing a balloon experiment</p> | <p>and the apparent movement of the sun across the sky</p> <p>Measuring shadows activity</p> |
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| | | | | | Bath bomb experiment Egg in a bottle experiment | |
| Science – Rising Stars | Growing pains | Let’s get moving | We are super scientists | Circle of life | Material World | Out of this world |
| Art or Design and Technology | To improve their mastery of art and design techniques, including drawing with a range of materials Hieroglyphics Pastels – tomb painting | About great artists, architects and designers in history Graffiti style art Pete McKee Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design Understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages] Design and make a model Ferris wheel Making marble runs | About great artists, architects and designers in history. Islamic art Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques Making world food dishes | To create sketch books to record their observations and use them to review and revisit ideas Sketching minibeasts To improve their mastery of art and design techniques, including drawing, and sculpture with a range of materials Clay creatures from James and the Giant Peach Peach shading pastel art work | Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups Apply their understanding of computing to program, monitor and control their products. Making jelly and ice cream – price list, menu, order forms, budgeting, quality control Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed Our cow molly visit | To improve their mastery of art and design techniques Solar system pastels Star constellation sewing About great artists, architects and designers in history. Vincent Van Gogh starry night |
| Geography | Locate the world’s countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key | | | Use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, | Describe and understand key aspects of: physical geography, including: mountains, volcanoes and earthquakes | |

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| | <p>physical and human characteristics, countries, and major cities</p> <p>Identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night)</p> <p>Focus on Egypt Google earth pyramids Gift of the Nile for kids</p> | | | <p>including sketch maps, plans and graphs, and digital technologies.</p> <p>Use the eight points of a compass, four and six-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world</p> <p>School grounds Page Hall</p> | <p>Making volcanoes experiment Mapping volcanoes in Europe Escape from Pompeii book</p> <p>Understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom, a region in a European country,</p> <p>Wish you were here - Italy</p> | |
| History | <p>The achievements of the earliest civilizations – an overview of where and when the first civilizations appeared and a depth study</p> <p>Ancient Egypt</p> | | <p>A non-European society that provides contrasts with British history early Islamic civilization, including a study of Baghdad c. AD 900;</p> <p>Visit from an Imam Sorting photographs What's the same, what's different comparison</p> | | | <p>A study of an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066</p> <p>History of space travel</p> |
| Music | <p>Develop an understanding of the history of music.</p> <p>Ancient Egyptian music</p> | <p>Improvise and compose music for a range of purposes using the inter-related dimensions of music</p> <p>Creating theme park ride music</p> | <p>Develop an understanding of the history of music.</p> <p>Music from around the world</p> | <p>Appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians</p> | <p>Use and understand staff and other musical notations</p> <p>Play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy,</p> | <p>Appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians</p> |

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| | | | | The Beatles | fluency, control and expression Playing simple food related songs | Gustav Holt the planet suite |
| Computing Topic links | Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content Ancient Egypt research | Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information Computer aided design Ferris wheels | | | Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts Quality control jelly and ice cream making | Understand computer networks including the internet; how they can provide multiple services such as the world wide web; and the opportunities they offer for communication and collaboration Space research |
| Computing - Rising Stars | We are artists | We are architects | We are cryptographers | We are game developers | We are bloggers | We are web developers |
| PE - Rising stars | Invaders | Dynamic Dance | Gym Sequences | Active Adventure | Young Olympians | Nimble Nets |
| PSHEC Oasis 9 habits | Growth mind set Only one you How to catch a star | Ethos 1 – A passion to include 9 Habits – Hopeful 9 Habits - Joyful | Ethos 2 – A desire to treat everyone equally 9 Habits – Patience 9 Habits - Compassion | Ethos 3 – healthy relationships 9 Habits – Forgiving | Ethos 4 – A deep sense of hope 9 Habits – Considerate 9 Habits – Self Control | Ethos 5 – perseverance 9 Habits – Humility 9 Habits - Honest |
| Commando Joe | Ibn Battuta – Eastern Odyssey | | Nellie Bly – Around the world in 72 days | | Tim Peake – Blast off | |
| Safeguarding in the curriculum Right to be safe | Online safety, recipe for a safer internet & child friendly acceptable use Healthy eating – breakfast, lunch boxes Oral hygiene & toothbrush club (EYFS) | Firework safety Anti Bullying w/c 13.11.17 Road safety w/c 20.11.17 Giraffe’s can’t dance Smartest giant in town | Stranger danger NSPCC, Child line Safer internet day 6.2.18 Huge bag of worries | Mental health First aid Augustus and his smile | Drugs and alcohol SRE Walk to school week w/c 14.5.18 | Water safety Sun safety Cycle safety |

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| | International fitness day 27.9.17 | | | | | |
| British values in the curriculum Right to respect | Eid Roald Dahl day International day of peace Harvest Festival Have you filled your bucket today? | Black History Month Anti bullying week Remembrance Day Children in Need St Nicholas' Day 6.12.17 Christmas Up and down For every child (rights) | Chinese New Year Pancake Day Lent We are all born free | World Book Day Fairtrade fortnight Mother's Day Easter The world came to my place today | St George's Day Roma Day If the world were a village | Queen's birthday Father's Day Gay Pride Recycling Week What if everybody did that? 10 things I can do to help my world |
| RE | Sheffield SACRE agreed syllabus & Oasis scheme | | | | | |
| Spanish | I languages Year 5 | | | | | |