

Upper School Curriculum Map 2015-2018

The table below sets out the thematic coverage, using the Cornerstone Primary Curriculum, of the National Curriculum in Years 4-6 over a 3 year cycle in the subjects: English, Science, Art and Design, Design & Technology, Geography, History and Music. Not all aspects of these subjects may be taught within the thematic project; for a gap analysis of each individual subject, please see individual subject policies.

Planned half term	Project Title	Subject focus	Memorable experience	Innovate challenge	Love to Read links	Love to Investigate to support Science learning	English	Art & Design	Computing	D&T	Geography	History	Mathematics possible cross links	Music	PE Possible Cross Links	Learning Power	Science
Autumn 1 2015	Stargazers	Science	Visit an observatory or planetarium (National Space Centre)	Rocket launch	Northern Lights - Philip Pullman	How do we know the Earth is round? Can we track the Sun? How do rockets lift off? Why do planets have craters? How does the Moon move?	Mnemonics; Myths and legends; Free verse poetry; Newspaper reports; Science fiction/graphic narrative	Printing; Design	Programming ; Stop-frame animation	Selecting materials; Design research; Structures; Evaluation	Locating physical features	Significant individuals - Galileo Galilei, Isaac Newton; 1960's Space Race	Problem solving using measures	Space-inspired music and lyrics	Dance	Learning with others	Earth and space; Forces; Working scientifically
Autumn 2 2015	Darwin's Delights	Science	Animal specimen observation	Morphing animation		Where do wild plants grow best? Why do birds have different beaks? Why is holly prickly? How many worms are underground? How have eyes evolved?	Labelling and journals; Diaries; Letters; Explanations; Newspaper reports	Creating sketchbooks ; Observational drawing	Online research; Morphing animations; Understanding computer networks	Discrete	Using maps; Geographical similarities and differences; Islands of the world	Significant individuals - Charles Darwin, Mary Anning	Discrete	Discrete	Discrete	Developing independence and taking responsibility	Evolution and inheritance; Living things and their habitats; Working scientifically
Spring 1 2016	Road Trip USA!	Geography	Visit 14 US States	Plan a family holiday		Can you make a circuit from play dough? How do plugs work? What conducts electricity?	Postcards; Emails; Diary writing; Myths and legends; Poetry	Native American dream catchers; Weaving; Journey sticks	Collaborative databases and spreadsheets; Using logical reasoning; Writing programs; Effective online research; Digital presentations	Preparing US dishes; Model making; Totem pole design	Using world and US maps; Human and physical geography	Native Americans	Discrete	Traditional and cultural music	Discrete	Improving own learning and performance; Expressing opinions; Stereotypes and discrimination	Electricity; forces

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Spring 2 2016	Traders and Raiders	History	Make sailing boats	Trade fair		How did Vikings dye their clothes?	Reports; Character profiles; Myths and legends; Poetry; historical narrative	Patterns and print making; Sketch books	Animation; Digital images	Jewellery and weapon making; Models of Anglo-Saxon homes; Clay rune stones	Using maps; Settlements; Europe	Anglo-Saxons and Vikings	Using money	Singing and composing lyrics	Competitive games; Attack and defence skills	Developing a sense of self-worth and understanding of self and others	Animals including humans; working scientifically
Summer 1 2016	Gallery Rebels	Art & Design	Visit a gallery	Create gallery exhibits		Is green really green?	Research; Short narrative; Expressionist poetry; Surrealist narrative; Explanatory text	Great artists of the 19th and 20th centuries	Collecting, evaluating and presenting information	Selecting and using tools and materials	Locational knowledge	Discrete	Discrete	Listening, improvising and composing	Dance	Thinking skills	Light
Summer 2 2016	Alchemy Island	Music	Chief Alchemist's riddle	Game soundtrack	The Wizard of Earthsea - Ursula K. Le Guin	Will it erupt? Do all solids dissolve? Can you clean dirty water? Which materials conduct heat?	Fantasy narrative; Non-chronological reports; Soliloquies; Poetry; Lyrics	Discrete	Digital photography; Debugging programs; Gaming	Electrical circuits; Designing a board game	Map reading; Using co-ordinates; Human and physical features	Discrete	Discrete	Composing; Recording and editing software; Atmospheric music; Graphic scores	Discrete	Speaking and listening	Properties and changes of materials; Sex and relationships
Autumn 1 2016	Peasants, Princes & Pestilence	History	Meet 'Pestilence'	Prevent a plague outbreak		How clean are your hands? What is the life cycle of a mealworm?	Narrative using personification; Journals; English poetry; Persuasive speech; Letters	Discrete	Collecting, evaluating and presenting data and information	Sketch books; Printmaking; historical recipes	Using maps	14th century England	Position and direction	Composing and singing	Dance; Historical games; Battle re-enactment	Learning with others	Animals, plants, humans and microbes
Autumn 2 2016	Tomorrow's World	Computing	Interview a web-designer, blogger or podcaster	Spy school website	Stormbreaker - Anthony Horowitz	Can you see through it? Can you turn a light down? What is a reflection? How does light travel?	Email and blogs; Newspaper reports; Websites; Thriller narratives; Podcasts	Logo design	Effective and safe online research; Computer networks; Algorithms; Using logical reasoning; Downloading music; Website design; 'Text' language	Key individuals in design and technology; Assistive technologies; Programming, monitoring and controlling products; Website header design; Product design	Discrete	History of computing	Discrete	Discrete	Discrete	Jobs of the future; Explaining opinions; developing independence and responsibility	Light; Electricity; Forces

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Spring 1 2017	Blood Heart	Science	Sheep's heart dissection	Heart charity fundraiser		What can your heart rate tell you? How does blood flow? What's in blood?	Non-chronological reports; Shape poetry; Slogans and adverts; Biography; Narrative using personification	Modelling and sculpture; Abstract art	Using websites; Flow diagrams	Selecting tools and equipment; Healthy recipes; Product packaging; Working models	Discrete	Discrete	Pie charts	Pulse; Heart raps	Cardiovascular exercise	Harmful substances; Caring about others; improving own learning and performance	Human circulatory system; Measuring heart rate; History of blood groups; Lifestyle effects; Working scientifically
Spring 2 2017	Misty Mountain Sierra	Geography	Visit a local hill or moor	Plan a mountaineering holiday	The Hobbit - J.R.R.Tolkien	What do squirrels eat? Where does water go? Can worms sense danger? Why does it flood?	Recounts and non-chronological reports; Calligrams; Explanations; Leaflets; Narrative	Clay modelling; Weaving	Satellite mapping; Using GPS devices; 2-D animation; Online research	Discrete	Using maps; Human and physical geography	Discrete	Presenting data; Converting between units of measure	Writing song lyrics	Orienteering	Facing new challenges; Mountain safety; developing a sense of self-worth and understanding of self and others	Plants
Summer 1 2017	Beast Creator	Science	Visit a butterfly, insect or tropical house	Design a super-minibeast	Charlotte's Web - E.B.White	Why do birds lay eggs? How do worms reproduce?	Non-chronological reports; Instructions and advertisements; Comic strips; Limericks and kennings; Fantasy narrative	Drawing; Perspectives	Research and presentation	Model making	Local fieldwork; Contrasting locations	Discrete	Measurement; Statistics	Discrete	Discrete	Debating ethical issues; Thinking skills	Properties and changes of materials
Summer 2 2017	Blue Abyss	Art & Design	Visit an aquarium	3-D art exhibition	Treasure Island - Robert Louis Stevenson	Are all sea creatures the same? How does pollution affect habitats?	Poetry using personification; Dilemma stories; Biography; Persuasive letters; Ballads	Observational drawing; 3-D models; Clay sculpture; Anthony Gormley - Another Place; Batik art; Printing; Famous seascapes	Programming; Video editing; Multimedia presentations	Submarine design; Working models	Seas and oceans of the world; The Great Barrier Reef; Environmental issues	19th century ocean exploration	Discrete	Discrete	Discrete	Speaking and listening	Living things and their habitats; Sex and relationships
Autumn 1 2017	Potions	Science	Alice in Wonderland discovery trail	Create a potion	Alice in Wonderland - Lewis Carroll	Are all liquids runny? How do smells get up your nose? Is custard a liquid?	Labels and instructions; Letter writing; Play scripts; Poetry; Non-chronological reports	Design; Clay work; Crayon art; Photography	Presenting information	Product development	Discrete	Historic use of potions	Measurement	Improvising	Dance	Learning with others	States of matter

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Autumn 2 2017	A Child's War	History	Evacuees	Street party	Goodnight Mr Tom - Michelle Magorian The Silver Sword - Ian Serrailer	How can you send a coded message?	Letters; Diary writing; Persuasive writing; Narrative dialogue; Speeches	Discrete	Using search technologies; Using presentation software	Following recipes; Building structures	Human geography; Cities of the UK	The Second World War	Discrete	Listening, performing and composing	Games; Dance	Empathising with people in different times; developing independence and responsibility	Sound
Spring 1 2018	Burps, Bottoms and Bile	Science	Visit a local dentist	Make a model of the digestive system		How does toothpaste protect teeth? What is spit for?	Fact files; Explanatory texts; using idioms; Fantasy narrative; Slogans; Persuasive texts	Discrete	Video; Algorithms; Digital images	Healthy foods; Textiles; Working models	Discrete	Discrete	Measures (weight)	Composing lyrics	Discrete	Healthy bodies; improving own learning and performance	Animals, including humans. Teeth types; Tooth decay and hygiene; The digestive system;
Spring 2 2018	Frozen Kingdom	Geography	Investigate ice	Polar rescue mission	The Call of the Wild - Jack London	How do animals stay warm? Can we slow cooling down?	Chronological report; Short narrative; Diaries; Haiku poetry; Letter writing	Photography ; Painting; Block printing	Collecting, evaluating and presenting information	Building an igloo	Features of the polar regions	Emigration and exploration in the early 1900s	Measurement (temperature); Negative numbers	Soundscapes	Outdoor adventure; orienteering	Care of the environment; developing a sense of self-worth and understanding of self and others	Living things and their habitats
Summer 1 2018	Scream Machine	Science	Visit a fairground, theme or adventure park	Design a drop ride		What do pulleys do? Why are zip-wires so fast? How do levers help us?	Poetry; Short narrative with dialogue; Signage and emails; Adverts; Non-fiction books	Photography and image editing	Digital photography; Creating digital maps; Effective online research; Logical reasoning and algorithms; Safe and respectful use of technology; Online discussion; Digital posters	Ride design; Programming models; Mechanical systems; Working models; Evaluation; Food	Theme parks in the UK and overseas	Discrete	Measures (money)	Discrete	Discrete	Discussion and debate; thinking skills	Forces; Properties of everyday materials; Mechanisms;
Summer 2 2018	Time Traveller	Art & Design	Interview people of different generations	Build a time machine!	Tom's Midnight Garden - Philippa Pearce	Do we slow down as we get older?	Character study; Narrative - adventure; Leaflets; Free verse poetry; Quotations & poems	Photography ; Great artists - Andy Warhol, Salvador Dali; Collage	Digital portraits; Data logging; Online research	Selecting materials	Changes in the local community	Changes over the last century	Time; Interpreting data	Discrete	Timing physical activity	Speaking and listening; Meeting and talking with people; Reflecting on spiritual, moral, social and cultural issues	Animals (including humans); Sex and relationships

