



Orchard Park Community Primary School Long Term Planning Overview - Year 5

		Literacy	Numeracy	Science	History	Geography	
Autumn	1	Topic: Defying Gravity Super Start: Build the Towers Fantastic Finish: Watch the Film 'The Walk' (Parental Permission needed - PG) Homework Project: Research and present iconic buildings/landscapes from around the world focussing on structure and design. Create a model of the building.	The Man Who Walked Between the Towers Objectives - non-fiction writing	Place Value Addition and Subtraction	Forces - explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object - identify the effects of air resistance, water resistance and friction, that act between moving surfaces - describe, in terms of drag forces, why moving objects that are not driven tend to slow down - recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect	Modern history of the Twin Towers Understand how key events and individuals in design and technology have helped shape the world (D&T focus) Study of Isaac Newton	Place Knowledge 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, and a region within North or South America
		Art / D&T	RE & PSHE	PE	Computing	Visits & Visitors	
		Painting - sketch (lightly) before painting to combine line and colour - use the qualities of acrylic paints to create visually interesting pieces - enhance the mood of a piece - use brush techniques and the qualities of paint to create texture - develop a personal style of painting and drawing using ideas from other artists <i>New York Starry Night Twin Towers Jack Lepper</i>	RE Words of Wisdom Gospels and stories of Guru Nanak and Islamic stories. What do these stories tell us? PSHE Beginning and belonging	Games <i>Football</i> Dance	e-Safety I am kind and responsible Scratch My Roman Numerals Measuring Rainfall and My Water Usage	Camb. Utd Active Science	
		Literacy	Numeracy	Science	History	Geography	
		Percy Jackson and the Lightning Thief Objectives - narrative	Statistics Multiplication and Division Perimeter and Area	Living Things and Their Habitats - describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird - describe the life process of reproduction in some plants and animals	Ancient Greece A study of Greek life and achievements and their influence on the western world	Human Geography Describe and understand key aspects of human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water	
	2	Topic: Ancient Greece Super Start: Ancient Greece Day (Food, Zorba dancing, dressing up, wreath making, names in Greek alphabet) Fantastic Finish: Squashing of Grapes in Paddling Pool Watch Percy Jackson Homework Project: Design a Greek amphitheatre Create a mask for Greek theatre Make the Parthenon out of paper	3D Form On orange card, with black wax overlay, etch in Greek design Papiermache Greek Vase - Show life-like qualities and real life proportions or, if more abstract, provoke different interpretations - Use tools to carve and add shapes, texture and pattern - Combine visual and tactile qualities - Use frameworks (such as wire or moulds) to provide stability and form https://artlessonsforkids.me/2011/04/24/papier-mache-greek-vases-in-grade-seven/	RE Whose world is it? PSHE Working Together	Games <i>Hockey Coach</i> Gym <i>Floor Work</i>	e-Safety I am kind and responsible Improve My Web Detective Skills My Sound, My Mood	Pantomime Planetarium
		Art / D&T	RE & PSHE	PE	Computing	Visits & Visitors	



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Spring	1	Topic: Beast Creators Super Start: Evolution Project Owl Pellets Fantastic Finish: Sedgwick Museum Homework Project: Create a montage of different beasts from films/books. Choose one to create a detailed piece of artwork on.	The Lost Things - Shaun Tan Objectives - narrative	Multiplication and Division Fractions	Evolution (Yr 6) - recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago - recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents - identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution	Use literacy, numeracy and computing skills to an exceptional standard in order to communicate information about the past Use original ways to present information and ideas	Locational Knowledge Locate the world's countries, using maps to focus on Europe (including the location of Russia), and North and South America Skills & Fieldwork Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied Darwin looking at islands - Galapagos
		Art / D&T	RE & PSHE	PE	Computing	Visits & Visitors	
		Textiles Design and make a stuffed felt monster using a range of stitches and joining two different materials together	RE Art and Music in religion -Islamic art. Modern art of bible stories. Eastern orthodox imagery. Music and how this makes you feel. PSHE Family and Friends	DancEd - Beast Creators Tag Rugby	e-Safety I am safe Presenting My Persuasion My Online Community	Synagogue Sedgwick Museum	
	2	Topic: Terrific Tudors Super Start: History Off The Page Fantastic Finish: Walk around Cambridge - Local History Homework Project: Make a Tudor house Research Tudor lifestyles Research/make Tudor food Rich v Poor (comparison of houses/clothes etc.)	The Sleeper and the Spindle - Neil Gaiman Objectives - fairy tales/narrative	Fractions Decimals and Percentages	Properties of Materials -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 - know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution - use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating - give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic - demonstrate that dissolving, mixing and changes of state are reversible changes - 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	Tudor Monarchy -Identify continuity and change in the history of the locality of the school -Give a broad overview of life in Britain from medieval until Tudor and Stuart times -Describe the main changes in a period of history (using terms such as: social, religious, political, technological and cultural) -Use appropriate historical vocabulary to communicate, including: <ul style="list-style-type: none"> • Dates • Time period • Era • Chronology • Continuity • Change • Century • Decade • Legacy -A local history study - the impact of the Tudors on Cambridge	Geography
		Art / D&T	RE & PSHE	PE	Computing	Visits & Visitors	
		Drawing Tudor style self-portraits using sketching pencils and shading Construction Create a frame by accurate measuring, cutting and nailing/gluing together	RE The Easter Story PSHE My Emotions	Games Netball Gym Apparatus	e-Safety I am safe Changing My Materials Logo My Shapes	Visit to Kings College Cambridge to look at the Tudor Architecture History Off the Page	



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Summer	1	Topic: The Big Smoke Super Start: Make small-scale buildings of famous landmarks around London, London Underground posters Fantastic Finish: Afternoon Tea <small>(D&T Objectives)</small> Homework Project: Make London Landmarks London Landmark Top Trumps Titanic Sculpture Titanic Presentation	Kaspar, Prince of Cats - Michael Morpurgo Objectives - non-fiction writing	Decimals Properties of Shapes	Animals, Including Humans - describe the changes as humans develop to old age	British History	Skills & Fieldwork Analyse and give views on the effectiveness of different geographical representations of a location (such as aerial images compared with maps and topological maps - as in London's Tube map) Use a range of geographical resources to give detailed descriptions and opinions of the characteristic features of a location
		Art / D&T	RE & PSHE	PE	Computing	Visits & Visitors	
		Construction & Food <small>Research patisserie boxes Make own box with careful measuring and cutting (Stanley Knives) A range of food/pastries to be made over 2 days and taken home in box</small>	RE What does it mean to be a person of faith today? PSHE Financial capability Drug Education	Swimming Games Rounders	e-Safety I am healthy Exploring My World My Weather Forecast	London - Parliament	
		Literacy	Numeracy	Science	History	Geography	
	2	Topic: Stargazers Super Start: Make rockets to blast on field Fantastic Finish: Space Day: Space Project Homework Project: Create a space/solar system diorama	The Strange Case of Origami Yoda - Tom Angleberger Objectives - non-fiction writing	Position and Direction Converting Units Volume	Earth and Space - describe the movement of the Earth, and other planets, relative to the Sun in the solar system - describe the movement of the Moon relative to the Earth - describe the Sun, Earth and Moon as approximately spherical bodies - use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky		
		Art / D&T	RE & PSHE	PE	Computing	Visits & Visitors	
		Construction <small>To design and make a marble run Design space themed backdrop Nailing into wood to create runs</small> Collage <small>Select and use cutting skills to deconstruct 2 pictures based on space Reassemble to create a space collage Embellish the surface using drawing, painting and printing</small>	RE What is Islam - Koran, Hajj, 99 article, stories, look at the theology, look at prayer PSHCE Healthy Lifestyles Sex and Relationships	Swimming Athletics	e-Safety I am healthy Discovering My Solar System Open Ended Challenge	Cambridge Science Centre Planetarium visit to OP (Autumn 2)	
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Art Inspiration

Autumn 1



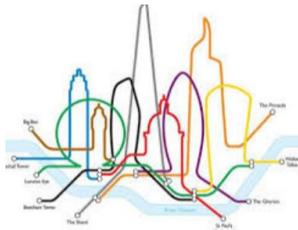
Make towers based on the cuboid structure shown

Jack Lepper

Autumn 2



Summer 1





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Summer 2

