



Orchard Park Community Primary School Long Term Planning Overview - Year 4

		Literacy	Numeracy	Science	History	Geography	
Autumn	1	Topic: The Iron Man	The Iron Man	Place Value	Electricity		
		Super Start: Iron Man crime scene investigation, re-building the iron man		Addition and Subtraction Science Greater than/less than comparison Length of a circuit Perimeter/area of a circuit Topic To describe position on a 2D grid as coordinates in the first quadrant. Marking points on a grid to create a rectangle, measure	Identify common appliances that run on electricity Construct a simple series electrical circuit, identifying and naming its basic parts Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery Recognise that a switch opens and closes a circuit Recognise some common conductors and insulators, and associate metals with being good conductors		Use the 8 points of a compass, 4 and 6-figure grid references, symbols and key 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 physical and human characteristics, countries, and major cities 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
		Fantastic Finish: Prepare Robo Lego Robotics	Art / D&T	RE & PSHE	PE	Computing	Visits & Visitors
	Homework Project: Build your own robot	Drawing <i>Pastel/Charcoal drawing</i>	RE	DancEd - The Iron Man	e-Safety		
		Construction & Mechanics - Understand and use electrical systems in their products - 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 <i>Making robots (flashing eyes?)</i>	Sikh's in Britain Temple visit or visitor in	Games <i>Football</i>	I am kind and responsible		Prepare Robo lego robotics workshop
			PSHE Beginning and Belonging		Check My Facts		Keep an eye out for exhibitions at science museums
			Where is My Information	Blog My Technology			
2	Topic: Savage Saxons	Literacy	Numeracy	Science	History	Geography	
	Super Start: Anglo Saxon Day (Anglo-Saxon feast, coin designing, shield making and battle re-enactment)	Beowulf Burwell News Reports	Addition and Subtraction Multiplication and Division Length and Weight Science Measure the length of the small intestine with a piece of string cm and mm. Comparison of length of digestive tract between different animals Topic Weighing and ratios by multiplying Estimate, compare and calculate different measures including £ & p. Comparing dates on a timeline - finding the difference.	Animals, inc. Humans Describe the simple functions of the basic parts of the digestive system in humans Construct and interpret a variety of food chains, identifying producers, predators and prey	Anglo Saxons Pupils should be taught about the Viking and Anglo-Saxon struggle for the Kingdom of England to the time of Edward the Confessor Use evidence to ask questions and find answers about the past Use more than one source of evidence for historical enquiry in order to gain a more accurate understanding of history Compare some of the times studied with those of other areas of interest around the world Place events, artefacts and historical figures on a time line using dates		
	Fantastic Finish: West Stow	Art / D&T	RE & PSHE	PE	Computing	Visits & Visitors	
Homework Project: Make a Viking long boat	Food Measure ingredients to the nearest gram. Assemble and cook ingredients (controlling the temperature of the oven or hob, if cooking). Cooking - Beowulf's Feast	RE - Different Places of Christian Worship Look at Quakers, cathedral, Pentecostal, Salvation army, Baptist. What kind of place of worship would you have? Create your own place of worship from junk → Must be able to justify.	Games Gym <i>Floor Work</i>	My Comic Book		West Stow Anglo Saxon Village Burwell House Residential Pantomime	
	Textiles Weave paper and materials to represent an image. Saxon Friendship Bracelets	PSHE - Anti-bullying Safety Contexts					
	3D Form <i>Clay Warrior Portraits</i>						



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Spring	1	Topic: Winter Wonderland					
		Super Start: Ice skating	Winter's Child The Selfish Giant	Multiplication and Division Fractions <i>Science</i> To convert between different units of measure g - kg To present data using bar charts and line graphs, using different scales on the axis. To estimate the area of a puddle of a rectangular shape. To measure and calculate the perimeter in cm , m ext mm Topic Comparing by finding the difference between dates of different winter pictures.Plot onto a timeline	States of Matter Compare and group materials together, according to whether they are solids, liquids or gases Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C) Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.	Focus on Art/DT, Science and RE/PHSE	Focus on Art/DT, Science and RE/PHSE
		Fantastic Finish: Making ice cream	Art / D&T	RE & PSHE	PE	Computing	Visits & Visitors
		Homework Project: Make own winter wonderland (painting/3D)	Painting Landscape Painting Mix Colours Water colour for background Create mood with colour Use different types of brushes Focus on an artist - Monet's <i>The Magpie</i> Explore the effect on paint by adding water/glue/sawdust etc.	RE Commitment and Belonging Must be done across religions. Debate similarities and differences PSHE Working Together Friends and Family	Swimming Gym Apparatus (Competition)	e-Safety I am safe My Scratch Games Advertising My Game	Ice Skating
Spring	2	Topic: Somewhere to Settle					
		Super Start: Geometrocity	Gulliver's Travels	Fractions Decimals	Animals, inc. Humans Identify the different types of teeth in humans and their simple functions		Describe and understand key aspects of human geography, including: types of settlement and land use, economic activity 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 in North or South America name and locate counties and cities of the United Kingdom, land-use patterns; and understand how some of these aspects have changed over time
		Fantastic Finish: Make a lego settlement	Art / D&T	RE & PSHE	PE	Computing	Visits & Visitors
		Homework Project: Settlement guidebook	Collage Overlapping objects in front and behind Use the town environment as a stimulus for mixed media work Look at city landscapes from around the world	Is Easter the festival of new life or sacrifice? Go through the Easter story - Focus on temptation in the story. Temptation activity - rolls on the table and children not able to eat them... Why do we have Easter eggs? How do they fit in with the story? What do they think is the real meaning of Easter? PSHE - My Emotions	Swimming Games Cricket Coach	Knowing My Times Tables with Kodu Making My Shapes with Hopscotch	



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Summer	1	Topic: Mountain High, Valley Low	Literacy	Numeracy	Science	History	Geography
		Super Start: Mountaineering Day (British orienteering challenges, 360 degree experience on Mount Everest, climbing on equipment in hall)	Shackleton's Journey	Area Properties of Shapes Decimals	Living Things & Their Habitats	N/A	Describe and understand key aspects of physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle Use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied Antarctica, Map work Mountain formation, navigation
		Fantastic Finish: Fran Brandon - Mount Kilimanjaro	Art / D&T	RE & PSHE	PE	Computing	Visits & Visitors
		Homework Project: Make a mountain	Printing Monoprint onto fabric Collograph print using corrugated card, string, pressprint Explore colour mixing through printing using two colours Explore negatives and positives Claire Rosenfeld	RE - Good and Evil What makes a good person or a bad person? What do different religions say? Image of a person with good on one side/evil on the other. Discuss. PSHE - Financial Capability	Games Tennis (Competition) Archery Measurement, conversion of measurements Average/mean graph	e-Safety I am healthy My Favourite Games My Detective Work	Wicken Fen OP Wildlife visitor Cambridge museum of technology
		Topic: WWII	Literacy	Numeracy	Science	History	Geography
		Super Start: Evacuee Experience	The Lion, the Witch and the Wardrobe Jabberwocky	Money Time Statistics Position and Direction	Sound	N/A	Describe different accounts of a historical event, explaining some of the reasons why the accounts may differ Suggest causes and consequences of some of the main events and changes in history Describe the social, ethnic, cultural or religious diversity of past society Describe the characteristic features of the past, including ideas, beliefs, attitudes and experiences of men, women and children
	2	Fantastic Finish: Street Party	Art / D&T	RE & PSHE	PE	Computing	Visits & Visitors
		Homework Project: Wartime rations - cooking	Blitz Painting DT - Masks (To take to Duxford) Food - Wartime Rations - improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials - Understand seasonality, and know where and how a variety of ingredients are grown reared, caught and processed. - investigate and analyse a range of existing products - evaluate their ideas and products against their own design criteria and consider the views of others to improve their work	RE Peace Use Islamic prayer example. Cover across religions. PSHE Managing Change Sex and Relationships	Games Cricket (Competition) Athletics Convert units of time: analogue to digital	Investigating My Sounds Open Ended Challenge	Duxford (Evacuee experience) Visitor from Cambridge Uni Miss Taylor's RAF link

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