

A U T U M N	Science Electricity *Circuit symbols diagram *Construction and simple recording of basic simple and parallel circuits *Observation and explanation of changing component at a time (series circuits) *Investigate effects of changes in number of voltage of cells. *Application and understanding of these circuits in everyday situations.	Technology DT- TEXTILES *Research purposes and styles of stitch. Sketch patch design and develop. *Plan design process, set instructions, understand pattern layout * Decorate textiles appropriately before joining components. *Pin and tack fabric pieces together. *	COMPUTING Using technology effectively - E-Safety (Cyber Pass – LGfL) *Quality control * Limits on access * Need for moderation * Awareness of audience and sharing information * E-safety circle times, written activities as well as online games and quizzes to assess their knowledge of up to date technologies and social media. * App reliability, Cross-curricular – word processing (speed typing)and research.	R.E. – The Way, The Truth and The Life The Kingdom of God Reflect on the Kingdom of God The importance of responding to God's invitation.	History World War II Learning about key leaders, events, evacuation WW2 experience day. WW2 specific area project created and verbal presentations. Links throughout in English teaching.	Local knowledge linked to the war e.g. www.bombsite.org	Art Boys in the Striped pyjamas sketching, shading and watercolour Perspective piece Making gas masks WW2 topic. Christmas card stain-glass window design and tree decoration using lollipop sticks	Music Samba	P.E. Gym: Apparatus Games: Indoor Athletics Invasion Games Mr McGrath
	Light *Shadows and how they are cast (opaque, translucent, transparent). Shadow puppets. *Light travels in straight lines. Light sources *How pathway of light is re-directed or distorted. (Laser experiment) *How we see / the eye		*Explore the world of blogs and blogging *Create own written and video blog *Explore risks involved as well as comparing technologies and platforms to present these *J2webby or J2Bloggy Cross-curricular – word processing and research	Justice To know what Justice means. That we are called to work for Justice. Knowing about injustice. Oscar Romero Martin Luther King Advent-preparing to celebrate the birth of Jesus.	Local history study knowledge beyond 1066- London's War (The Blitz and the Battle of Britain). *1939- What led to the outbreak of World War 2? *The impact of war on London and the local area- Operation Pied Piper. *1940- 41 The effect of the Blitz on the lives of Londoners.(Shelters) *World War 2 interview- extended writing *The 'Home Front' and the Women's War- changing lifestyles in London *The end of the war and its aftermath for London.				

S P R I N G	<p><u>Animals including humans</u> *Parts of the circulatory system – oxygenated/deoxygenated blood) *Revise main body parts and internal organs. *Heart and blood vessels (practical activities) *Transportation of nutrients and water. *Drugs and lifestyles. *Impact of diet and exercise.</p>	<p><u>D/T- Food technology (Wrotham)</u> *Prepare foods consider properties and nutritional value. *Select and prepare foods for a particular purpose. *Weigh and measure, cut/ shape/ grate ingredients. *Work safely and hygienically. *Awareness of healthy and balanced diet/ evaluation. *Combining ingredients (kneading) bread</p> <p><u>Gadgets – Stormbreaker</u> *Children design an original gadget, annotate, decide on materials and sequence *Modrock their design *Decorate design *Evaluate *Create display label for it</p>	<p><u>How Computers work</u> - <u>Networks</u> *Examining the term network * Network restrictions * Internet vs WWW * http:// vs www * Other real world networks. Understanding and using http coding. <u>*Web tech tutor (LGfL)</u></p>	<p><u>Jesus, The Bread of Life</u> Passover Last Supper Sacrifice Parts of the Mass Blessed Sacrament</p>		<p><u>Geography</u> <u>Field Work and Place knowledge</u> *Using an OS map- keys and scale, contours *Use 4 and 6 grid references *Wrotham area walk and study in workshop (children to take photos) *Orienteering – using 8 point compass. *Extended writing- contrasting localities.</p>	<p><u>The Landlady images</u> *Choose quote from the story *Own interpretations of quote *Plan media to use *Landlady BandB designs using 3D pop up affect</p>	<p><u>Music</u></p>	<p><u>Dance:</u> Creative Dance (topic links), circuit training</p> <p><u>Games:</u> Basketball, Rugby</p>
	<p><u>Evolution and Inheritance</u> *Fossils and changes over time. *Offspring, identical / non, cross breads *Adaptation of animals over time (own research) *How adaptation leads to evolution *Palaeontologists – Mary Anning, Charles Darwin, Alfred Wallace.</p>		<p><u>How Computers work- Opportunities for communication</u> *Online forms of communication *Reliability and authority *Social vs professional *The legacy of information technology * Communicating about a text online * Reflection on communication. <u>App creation</u> *Researching a range of apps and their purposing *Designing an original app *Creating this and debugging with app creator or dapp *Understd and use QR code scanning</p>	<p><u>Jesus, Son of God</u> Miracles Palm Sunday Maundy Thursday Passion, death & resurrection</p> <p><u>Judaism</u> *Traditions and celebrates *Jon Leigh visitor</p>	<p><u>Viking and Anglo-Saxon struggle for the Kingdom of England up to 871.</u> *793- First Viking invasion, 866-77 *Invasion of Viking Army *Map work linked to *Viking raids and invasion. (build upon yr 5 study of origin of the Vikings)(Yr 6 starting with their departure from Denmark and Germany) *Chronology of Viking raids and invasion. *The resistance of Alfred the Great Study of Athelstan. *Further Viking invasions. *871- King Alfred defeats the Vikings but allows them to settle in Eastern England.</p>		<p><u>Viking Calligraphy / use of fine inks.</u> *Layered Viking image using longship *Use marbling inks for background *Multimedia paper to collage *Oil pastel and watercolour landscapes *Design boat and head of ship and sail *Assembling *Evaluatiing</p>	<p><u>Garage Band</u></p>	
S U M M	<p><u>Living things and their habitats.</u> *Introduce main groupings of living things. *Sub-division of these animal groups into</p>	<p><u>Fairground Rides</u> *Investigate product ideas, sketch and model ideas. Use found</p>	<p><u>Programming, Coding and Control -On screen output</u> *Language of programming</p>	<p><u>The Work of the Apostles</u> We are called to be a disciple Holy spirit Early Christians</p>	<p><u>Continuation of last unit from 886 up to 1066.</u> *886- The North subjected to the</p>		<p><u>See DT (Making Fairground models)</u></p>	<p><u>Music</u> Production</p>	<p><u>Dance:</u> Liturgical Dance Production Dances <u>Games:</u> Rounders, Cricket</p>

<p>E R</p>	<p>vertebrates and invertebrates, then group within these. *Subdivisions in plants and micro-organisms. Carl Linneaus *Using keys – decision keys – using and making *Unfamiliar animals and plants linked to the rainforest.</p>	<p>information to inform decisions. *Develop one idea in depth in the next one refine using modelling and drawing. Plan stages of construction with annotation (plans and elevations) *Cut accurately/ safely, use craft knife, cutting mat, safety ruler, all construction objectives covered in build. Refer to progression of skills list. Lancs. *Evaluate construction process and choice of materials.</p>	<p>*Game interface- what must be programmed? *Write simple programs * Debug *Develop more complex programs- involving multi-level play *scoring and timing, sequences and variables. *Debug and evaluate Using technology effectively – Scratch game creator *Setting and responding to instructions. *Debugging and adding levels within a game * Programming to respond to commands *Vocabulary of App design . Formatting and revising design.</p>	<p>Persecution of the Apostles</p>	<p>Danelaw ,the rules of the Vikings *926- Eastern England conquered by Saxons, introduction to laws and Justice *Continue to explore changes in law and justice. *1016- King Canute of Denmark captures the English Crown *1042- Edward the Confessor becomes King *Up to 1066- Edward's rule until his death in 1066. Norman's</p>				<p>and Sports Day practice.</p>
	<p><u>Cross curricular science project.</u></p>		<p><u>Programming, Coding and Control -Model output</u> *Vocabulary/ task introduction * Model building *Using logical reasoning *Understanding algorithms *Input and output selection- speed and frequency * Recording of outcome of programming.</p>	<p><u>Called to Serve</u> How we should live more like Jesus We all have talents and gifts WE are asked to use them in Service Holy Spirit/Confirmation Sacrament of Marriage/Holy Orders</p> <p><u>Hinduism</u></p>		<p><u>Place Knowledge and Human and Physical Geography</u> *World Maps- lines of latitude and longitude (hemispheres) *Polar regions- weathers and climate change. Extended writing *Time Zones *North America South America as a continent- identifying different countries Bioms and vegetation belts *Amazonian Tribes</p>	<p><u>Drawings of rainforest animals</u> *Children practise sketching some animal designs * Children pick for best and sketch *Use glue mixed with black paint to go over lines and then add either watercolours, oil or chalk in between gaps</p>		

						habitats *Land use and economic activities Distribution of resources.			
--	--	--	--	--	--	--	--	--	--