

Barrowby CE Primary School: Year 5 Long Term Plan

	Autumn 1 Space	Autumn 2 Space	Spring 1 Vikings	Spring 2 Vikings	Summer 1 Leisure and Entertainment	Summer 2 Leisure and Entertainment
Visits/Visitors/Experiences		Space Centre		Viking Man		Camping
English	Narrative: Who Let the Gods Out? By Maz Evans Outcomes: Stories related to 'Who Let the Gods out'; Beegu; The Polar Express/Edgar the Dragon	Narrative: Planet Description video- Literacy Shed Outcome: Planet Description Non-Fiction: National Space Centre information leaflet Outcome: Non Chron report-Planetarium info Stargazing for Beginners- DK Outcome: Persuasive advert-Visit my planet! Newspaper report extracts- Outcome: Moon landing, Space X Poetry: Collection of 'Folk Poems' from The Book of Songs (BBC) Outcome: folk poem	Narrative: Jotun visual literacy- Literacy Shed Outcome: Setting description/ short narrative Non-Fiction: Anglo Saxon Chronicle Outcome: report Poetry: Psalm 8 (CC RE)	Narrative: Lion the Witch and the Wardrobe by CS Lewis Outcome: Narrative dialogue, internal monologue in a narrative description, narrative with a flashback scene using different tenses. Non-Fiction: Viking Burial example text- BBC bitesize Outcome: Explanation	Narrative: Windrush Child by Benjamin Zephaniah Outcome: Letter writing Non-Fiction: Butlins holiday brochure -Travel journal extracts Outcome: Persuasive writing- holiday brochure	Narrative: The Famous Five By Enid Blyton Outcome: Story writing Chapter continuation including a dilemma Poetry: Travel poems Outcome: Camping recount poem-based travel experience
Mathematics	Place Value and Rounding of Larger Numbers Interpret Negative Numbers Place Value of Numbers with up to Three Decimal Places Multiply and Divide by 10, 100 and 1000 Properties of Number—Multiples, Factors and Common Factors and Prime and Composite Numbers Multiple and Divide Mentally. Solve Problems Involving Knowledge of Key Facts	Add and Subtract Using a Range of Strategies Add and Subtract Using Formal Written Methods Formal Written Method for Multiplication Formal Written Method of Short Division Equivalent Fractions and Compare and Order Fractions Adding and Subtracting Fractions	Problem Solving—All Four Operations Multiply Fractions by Whole Numbers Measure— Converting Units of Measure Area Volume and Capacity	Percentages Problem Solving—Percentages 3-D Shapes from 2-D Representations Perimeter and Estimate, Compare, Measure and Draw Angles Identify Unknown Angles	Formal Methods for Division and Multiplication in Increasingly Complex Problems Strategies for Multiplication and Division (Mental and Written) Solving Problems involving Scaling by Simple Fractions and Rates Conversion of Imperial and Metric Units of Measure Fractions, Decimals and Percentages Problem Solving Reading Timetables and Calculating with Time	Solve Problems involving the Four Operations Distinguish between Regular and Irregular Polygons Use Properties of Rectangles Statistics— Solve Comparison, Sum and Difference Problems using Information in a Line Graph Statistics—Interpreting and Evaluating Information Presented in Charts and Tables Roman Numerals
Science	Know that the sun is a star and that it has 8 planets. Know the names and order of the 8 planets. Describe the movement of the Earth and other planets relative to the sun. Describe the movement of the moon relative to the earth. Know that the Earth's rotation explains day and night.	Investigate the force of gravity Identify the effects of air resistance, water resistance and friction. Explore mechanisms: levers, pulleys, gears	Compare and group materials on the basis of their hardness, solubility, transparency, conductivity and magnetism. Investigate how to make a solution and how mixtures may be separated by filtering, sieving, evaporating. Explore reversible and irreversible changes. Explore chemistry and inspirational chemists such as Spencer Silver (post it note glue) and Ruth Benerito (wrinkle free cotton)		Describe and recognise changes in growth and development in humans with particular emphasis on puberty.	Know the characteristics of mammals, amphibians, insects and birds and describe the differences between their life cycles. Using our school vegetable patch and gardens observe the life cycle changes of plants and vegetables. Understand the difference between sexual and asexual reproduction in plants and sexual reproduction in animals. Explore naturalists such as David Attenborough and Jane Goodall.
RE	LAS (Compulsory) Life Journey—Hinduism How do Hindus show they belong?	LAS (Compulsory) Life Journey—Islam How do Muslims show they belong?	God UC 2b.1 (Core) What does it mean if God is loving and holy?	Incarnation UC 2b.4 (Core) Was Jesus the Messiah?	Salvation UC 2b.7 (Core) What difference does the resurrection make for Christians?	LAS (Forgiveness) <i>What does it mean to forgive?</i>
Computing	Computing systems and networks Sharing information Develop understanding of computer systems and how information is transferred between systems and devices.	Data and information Flat-file databases To use tools within a database to order and answer questions about data	Creating media Video editing To develop and exposed to topic-based language and develop the skills of capturing, editing, and manipulating video.		Programming Selection in physical computing To use physical computing to explore the concept of selection in programming through the use of the Crumble programming environment. To be introduced to a microcontroller and learn how to connect and program components.	
Citizenship P.S.H.C.E/SEAL/SRE	PSHCE theme: Developing confidence and responsibility and making the most of my abilities. RSE: <i>Relationships</i>	PSHCE theme: Developing good relationships and respecting the differences between people. RSE: <i>Relationships</i>	PSHCE theme: Developing a healthy safer lifestyle. RSE: Support Network	PSHCE theme: Preparing to play an active role as citizens. RSE: <i>Puberty and Hygiene</i>	PSHCE theme: Developing good relationships and respecting the differences between people. RSE: <i>Reproduction and Pregnancy</i>	PSHCE theme: Developing a healthy safer lifestyle RSE: <i>Mental Wellbeing</i>
History	The achievements of the earliest civilisations Shang Dynasty of Ancient China		The Viking and Anglo-Saxon struggle for the Kingdom of England to the time of Edward the Confessor Were the Vikings vicious		A study of an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066 Leisure and entertainment through the 20th Century	
Geography	How do volcanoes affect the lives of people on Hiemaey? (Iceland) (Volcanoes and how people interact with them)		Why are mountains so important? (The study of mountains including their location, distribution and their importance to human activity)		What is a river? (The physical features of rivers, physical processes and their use for trade or energy generation)	
Design & Technology	Research, plan, prepare and cook a nutritional meal. Make Chinese meal with Roots to Food M	Make Stomp Space rockets using a design criteria, cross sectional diagrams and different methods of construction.	Design a Viking Shield using a planning, design and evaluation process.		Cooking and Nutrition: Global food 60's food - making a nutritional meal.	
Art & Design	Sculpture: Sculpt emulating an artist's style - Human form, wire armature and clay. Artist Study: Giacometti. Artist Study: Van Gogh - Impressionism. Starry Night Painting: Mixing colours (complementary and contrasting) and creating palettes to paint with. Explore Impasto creating atmosphere inspired by Van Gogh.		Drawing: Develop sketching skills (Viking artefacts, geometric design) using pencil to create effects of light, shadow (Tonal contrast) and perspective. Work in a sustained and independent way to create a detailed drawing inspired by research from a variety of sources e.g. observational drawing, photographs, digital images, story/film illustrations Artist Study - Cressida Cowell (How to Train your Dragon).		Drawing: Draw from different viewpoints considering horizon lines and considering perspective. Considering using tones and tints, light and shade becoming increasingly subtle as understanding and skill in using the techniques develops. Design: use mixed media to enhance their art e.g. printing, painting, digital media. Artist Study: Megan Coyle and Ben Giles Mixed Media artists.	
Music	Listening & Appraising 5 Describe how music is performed referencing rhythm, dynamics and tempo and instruments are being used.	Perform & Evaluate - Singing 5a Use voices expressively and confidently to perform songs with parts	Perform & Evaluate - Singing 5b Perform Choral Poetry with a sense of rhythm, dynamics and tempo	Perform & Evaluate -Instrumental 5 Read musical notes represented on a staff with confidence. Perform melodic phrases with musical elements	Create & Compose 5 Represent musical ideas through the use of musical notation to create melodic phrases incorporating musical elements.	
Physical Education	Real PE Unit 3 Cognitive Skills Outdoor Ad: Hunting the Griz. Gym: Rawmarsh SoW	(Real PE Unit 4 Creative Skills) Swimming Dance Val Sabin SoW.	(Real PE Unit 2 Social Skills) Games: Val Sabin 'Games in the Curriculum' Unit 3 Invasion e.g. Football, Netball Gym Rawmarsh SoW	(Real PE Unit 5 Applying Physical Skills) Games: Val Sabin 'Games in the Curriculum' Unit 1 Net/Wall e.g. Badminton, Tennis Dance Val Sabin SoW	(Real PE Unit 6 Health and Fitness) Athletics	(Real PE Unit 1 Personal Skills) Games: Val Sabin 'Games in the Curriculum' Unit 4. Striking and Fielding e.g. Cricket, Rounders Games: Val Sabin 'Games in the Curriculum' Unit 2 Invasion: e.g. Tag Rugby
French	Repeat and recognise the months of the year in French. Ask when somebody has a birthday and say when they have their birthday. Say the date in French. Create a French calendar. Recognise key dates in the French calendar.		Say whether they live in a house or an apartment and say where it is. Repeat, recognise and attempt to spell up to ten nouns (including the correct article for each) for the rooms of the house in French. Tell somebody in French what rooms they have or do not have in their home. Ask somebody else in French what rooms they have in their home. Attempt to create a longer spoken or written passage in French recycling previously learnt language (incorporating personal details such as their name and age)		Repeat and recognise the vocabulary for weather in French. Ask and say what the weather is like today. Create a French weather map. Describe the weather in different regions of France using a weather map with symbols.	