Year 5 Imaginative Learning Project = Engage, Develop, Innovate, Express - Stargazers

English

Reading
Retrieve, record and present information from non-fiction.
Increase their familiarity with a wide range of books, including myths, legends and traditional stories, modern fiction, fiction from our literary heritage, and books from other cultures and traditions.
Identify how language, structure and presentation contribute to meaning.
Discuss and evaluate how authors use language, including figurative language, considering the impact on the reader.

Writing
Note and develop initial ideas, drawing on reading and wider research where necessary.
Proof-read for spelling and punctuation errors.
Select appropriate grammar and vocabulary, understanding how such choices can change and enhance meaning.
In narratives, describe settings, characters and atmosphere and integrate dialogue to convey character and advance the action.
Perform their own compositions, using appropriate intonation, volume, and movement so that meaning is clear.
Identify the audience for and purpose of the writing, selecting the appropriate form and using other similar writing as models for their own.
Use a wide range of devices to build cohesion within and across paragraphs.
Propose changes to vocabulary, grammar and punctuation to enhance effects and clarify meaning.

Grammar

Spoken language
Ask relevant questions to extend their understanding and knowledge.
Maintain attention and participate actively in collaborative conversations, staying on topic and initiating and responding to comments.
Use spoken language to develop understanding through speculating, hypothesising, imagining and exploring ideas.
Participate in discussions, presentations, performances, role play, improvisations and debates.

Science

Sc ES 1: Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.
Sc ES 3: Describe the Sun, Earth and Moon as approximately spherical bodies.
Sc ES 4: Use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky.
Sc ES 2: Describe the movement of the Moon relative to the Earth.
Sc WS 2: Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.
Sc F 1: Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.
Sc WS 5: Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations.
Sc WS 3: Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.
Sc WS 1: Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.
Sc WS 6: Identify scientific evidence that has been used to support or refute ideas or arguments

History

Hi 6: Study an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066.extends pupils' chronological knowledge beyond 1066.

Mathematics

Daily 'Big Maths.'

Number

- Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero.
- Count forwards or backwards in steps of powers of 10 for any given number up to 1000 000.
- Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit.
- Round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000.

- Add and subtract numbers mentally with increasingly large numbers.
- Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction).
- Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy
- Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.
- Multiply and divide numbers mentally drawing upon known facts.

- Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.

Design and Technology

DT M 2: Select from and use a wider range of materials and components, including construction materials textiles and ingredients, according to their functional properties and aesthetic qualities.

DT D 1: 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.

DT E 1: Investigate and analyse a range of existing products.

DT TK 1: Apply their understanding of how to strengthen, stiffen and reinforce more complex structures.

DT E 2: Evaluate their ideas and products against their own criteria and consider the views of others to improve their work.

Computing

Co 2: Use sequence, selection, and repetition in programs; work with variables and various forms of input and output.
Co 5: Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.
Co 6: Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information

• Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers • Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context.		

Modern Foreign Languages	Geography	Physical Education	Art	PSHE & Religious Education (Surrey Agreed Syllabus)
We will be learning about shopping for food and ordering in a café. Je voudrais – I would like C'est combine? – How much is it? Le pain (bread) le fromage (cheese) la lemonade (lemonade) le glace (ice cream)	**Ge SF 1:** Use maps, atlases, globes and digital computer mapping to locate countries and describe features studied.	**PE 4:** Perform dances using a range of movement patterns. **Music** **Mu 6:** Develop an understanding of the history of music.	**AD 2**: Improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [e.g. pencil, charcoal, paint, clay].	FACT Learning Opportunities FACT Days Visits to the Salvation Army, learning and reflection time. Visit to a Hindu Temple 3 RE days Values based curriculum and school ethos.

Home Learning: An alien has landed in your back garden! Write a story about how you meet the alien and what happens next. **Date due:** 29th September