

Autumn Term 2018 Key Stage 2 Romans



Science

Forces and Magnets

- ☑ the force of gravity acting between the Earth and the falling object
- ☑ the effects of air resistance, water resistance and friction, that act between moving surfaces
- ☑ some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.

Electricity

- ☑ construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers
- ☑ 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
- ☑ a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit
- ☑ conductors and insulators, and associate metals with being good conductors.
- ☑ associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit
- ☑ compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches
- ☑ use recognised symbols when representing a simple circuit in a diagram.

Art and Design

- to create sketch books to record their observations and use them to review and revisit ideas
- to improve their mastery of art and design techniques, including drawing with a range of materials [for example, pencil, charcoal]
- about great architects and designers in history, particularly Roman design

Computing

- design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
- use sequence, selection, and repetition in programs; work with variables and various forms of input and output
- use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
- use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.

Design Technology

Design, Make and Evaluate a product that will:

- apply their understanding of how to strengthen, stiffen and reinforce more complex structures

Geography

name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics, key topographical features (including hills, mountains, coasts and rivers), and land-use patterns; and understand how some of these aspects have changed over time (particularly in relation to the Romans).

RE

Islam- What do Muslims believe about God?

Christianity- Journeys, in particular, the journey to Bethlehem



Music

- play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression
- improvise and compose music for a range of purposes using the inter-related dimensions of music
- listen with attention to detail and recall sounds with increasing aural memory
- use and understand staff and other musical notations

PE

Competitive games – football, netball, tag rugby- defending, attacking, invasions games, skill development.
Gymnastics- develop strength, balance, flexibility, technique
Fitness training- speed, agility and quickness

History

The Roman Empire and its impact on the British Isles
Looking at Primary and Secondary Sources

English

Writing based on our Roman theme to include chronological reports, explanations, diaries, letters, newspaper reports, poetry using figurative language on a theme.
Focus on punctuation and improving vocabulary.
Spelling patterns through handwriting and the usual grammar
Reading comprehension through guided reading and fortnightly written comprehensions (esp year 6)
Class story with associated work (book to be decided)

Mathematics

Start with a big push on place value (at different levels)
Calculation
Fractions, decimals, percentages, ratio and proportion
Measures: time and money
Times tables rehearsal and mental calculation

French

Everyday conversation related to family and hobbies as well as revising previous work.

Liverpool for year 5 and 6

The children will undertake some preparation work before we go to Liverpool in October- maps, photos and some of the history.