

Maths: White Rose Premium Scheme—Year 5 Autumn Term

Place Value (3 weeks)

Roman numerals to 1000; read, write, compare and partition numbers to 1,000,000; powers of 10; 10, 100, 1000, 10000, 100000 more or less; Rounding to the nearest 10, 100, 1000 within 1000000.

Addition and Subtraction (2 weeks)

Add and subtract numbers with 4 digits, rounding, inverse operation, multi-step problems; compare calculations; find missing numbers

Multiplication and Division (3 weeks)

Multiples, common multiples, factors, common factors, prime numbers, square numbers, cube numbers, multiply by 10, 100, 1000, divide by 10, 100, 1000, multiples of 10, 100, 1000

Fractions A (4 weeks)

Equivalents; convert improper to mixed number; compare and order; add and subtract fractions with same denominator; add and subtract mixed numbers.

Design Technology:

Mechanical Systems - Building a shaduf and its base.

Generate innovative ideas by carrying out research using surveys, interviews, questionnaires and web-based resources.

- Develop a simple design specification to guide their thinking.
- Develop and communicate ideas through discussion, annotated drawings, exploded drawings and drawings from different views.

Making

- Produce detailed lists of tools, equipment and materials. Formulate step-by-step plans and, if appropriate, allocate tasks within a team.
- Select from and use a range of tools and equipment to make products that are accurately assembled and well finished. Work within the constraints of time, resources and cost.

Evaluating

- Compare the final product to the original design specification.
- Test products with intended user and critically evaluate the quality of the design, manufacture, functionality and fitness for purpose.

History:

- Place the Ancient Egyptian civilisation on a world history timeline; describe what society was like in Britain, the terrain and climate of Britain.
- Explain where Ancient Egypt was located and label a map; describe Ancient Egypt as being part of the Fertile Crescent; describe the terrain and climate
- Describe the end of the Ancient Egyptian civilisation; mark on a map of the region where the various invaders came from; research facts and write a biography of Alexander the Great or Cleopatra, last Pharaoh of Ancient Egypt.
- Analyse how Ancient Egyptians wrote using different scripts from ours and discover how the Rosetta Stone enabled hieroglyphs to be translated.
- Learn why Howard Carter is described as a 'good archaeologist'. Describe the finding of Tutankhamen's tomb and write a diary or radio play script about the discovery of Tutankhamen's tomb.
- To understand that a team of people worked on the excavation of Tutankhamen's tomb and know some of the techniques they used. To understand that Howard Carter made careful sketches & drawings to record details of artefacts found in Tutankhamen's tomb.

PSHE:

Corum - SCARF: Safety, Caring, Achievement, Resilience, Friendship

Unit One - Me and my relationships

Unit Two - Valuing Difference

English:

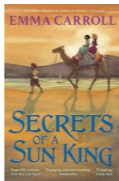
Non-Fiction - Importance of the River Nile and a balanced discussion linked to the pros and cons of building the Aswan High Dam

Non-Fiction - Egyptologist - Howard Carter

Fiction - Marcy and the Riddle of the Sphinx

Riddle Writing

Film unit - Treasure - Literacy Shed Plus



Guided Reading:

The Ancient Egypt Sleepover by Stephen Davies

The Secrets of a Sun King by Emma Carroll



Year 5 - Autumn Term

Ancient Egypt



Hook: Carisbrooke Castle Artefact boxes

Numbers Ordered: 11-273C, 11-274C, 11-112A, 11-353A, 11-354A, 11-355A

Homework Task: Create a Egyptian artefact

Celebration: Museum open afternoon for parents/carers

Geography:

Positioning of Egypt on a world map; Continent position; Bordering countries, capital cities and initial human and physical features in Egypt.

Understand that evidence of Ancient Egypt can still be seen in Egypt today. You will appreciate that the effect of the River Nile has been changed by the construction of the Aswan High Dam and contribute to a debate about the construction of the Aswan High Dam.

Identify the lines of latitude where hot desert biomes are located.

Describe the characteristics of a hot desert biome.

Locate the largest deserts in each continent.

Describe ways the Mojave Desert is used.

Name and describe the physical features found in a desert.

Identify how humans use the desert.

Explain how human activity may contribute to the changing climate and landscape of a desert.

Recognise that the Mojave Desert has a different time zone to the UK.

Describe some of the threats to deserts.

Give the benefits and drawbacks of living in a desert environment.

Identify characteristics of two contrasting biomes and compare land use.

Science:

Earth and Space

- Explore the solar system and its planets
- Understand the heliocentric model of the solar system
- Explain the Earth's movements in space
- Explain the Earth's rotation and night and day
- Explain the movement of the moon
- Design a planet using knowledge gained

Forces

- Explore gravity and the life and work of Isaac Newton
- Examine the connection between air resistance and parachutes
- Explore factors which affect an object's ability to resist water
- Investigate the effects of friction on different surfaces
- Investigate mechanisms—levers and pulleys
- Investigate mechanisms—gears

Computing: Purple Mash - Computing Scheme of Work

Internet Safety - 4 lessons

Responsibilities and support when on line; protecting privacy; citing resources; responsibility

Coding—6 lessons - Egyptian links as a theme where possible

Coding effectively; simulating a physical system; decomposition and abstraction; friction and functions; introducing strings; text variables and concatenation.

Art and Design:

To create a Lino print inspired by Egyptian cat artefacts.

- 1) Work from a range of sources including observation and photographs. Develop close observational drawing skills.
- 2) To be able to explore colour mixing and blending. To be able to use a variety of wet and dry media
- 3) To explore an artist's work. To be able to explore the different tools used to control line, shape, texture and tone.
- 4) To be able to create a design for a print by simplifying initial drawings/sketches
- 5) To be able to create a travel poster using a lino printing block

Music: Kapow - Composition notation - Ancient Egypt

Sing in time and in tune with other people and the backing track.

Remember the lyrics to a song.

Identify the structure of a piece of music and match this to non-standard notation.

Improvise their own piece of music.

Play a melody with reasonable accuracy.

Perform with confidence and in time with others.

Compose and play a melody using stave notation.

Contribute meaningfully to the group performance and composition.

Religious Education

Autumn 1) Belonging (M) Shahada and Salat

Autumn 2) Faith and the annunciation story

MFL - French: Kapow

Unit 1 - French Monster Pets

Unit 14 - Space Exploration