

Science: Forces

Lesson 1: To explore falling objects and explain that unsupported objects fall towards Earth because of the force of gravity
 Lesson 2: To know what is meant by the term air resistance
 Lesson 3: **To investigate and identify the effects of air resistance on a parachute**
 Lesson 4: To record our results and conclude our experiment
 Lesson 5: To know how the force of friction can be used in everyday life
 Lesson 6: To explore the effects of friction on cars on a ramp
 Lesson 7: To be able to record and conclude the results of our investigation on friction
 Lesson 8: **To investigate how the shape of a boat affects the level of water resistance**
 Lesson 9: To explore the effects of levers, pulleys and simple machines on movement
 Lesson 10: To recognise that some mechanisms, including levers, pulleys and gear allow a smaller force to have a greater effect
 Lesson 11: To review and assess my knowledge of forces

PE:
Spring 1- Netball

Lesson 1: To be able to pass legally to another player
 Lesson 2: To be able to pass and receive the ball
 Lesson 3: To be able to identify defensive positions in netball
 Lesson 4: To be able to identify attacking positions in netball
 Lesson 5: To be able to improve my shooting
 Lesson 6: To be able to compete against others

PE
Spring 1- Swimming (Indoor)

Lesson 1: To be able to swim to an assessed standard
 Lesson 2: To be able to recall key techniques of the front crawl
 Lesson 3: To be able to improve my timed swim
 Lesson 4: To be able to improve my backstroke
 Lesson 5: To be able to use lifesaving backstroke technique
 Lesson 6: To identify the different positions and rules in water polo

History: Ancient Egypt
Geography (Rehearsal links): Which continent is Egypt in? Which seas & oceans are nearby? What is the weather like? Is it near the equator? Can you name any major landmarks? What is natural (physical)? What is man-made (human)? Who lives there? Which animals & plants can be found there?

Lesson 1: To create an overview of the location and times of the earliest civilizations
 Lesson 2: To understand who the Ancient Egyptians were, including their social structure, beliefs and influence on other civilizations at the time.
 Lesson 3: To understand the power and influence of Cleopatra
 Lesson 4: To know about the invention of writing in Ancient Egypt
 Lesson 5: To know how the Ancient Egyptians used Mathematics to build large scale buildings
 Lesson 6: To understand the achievements the Ancient Egyptians made in medicine and health
 Lesson 7: Historical Enquiry: To discuss and debate a historical question: Why are the achievements of the Ancient Egyptians important to us nowadays?

Computing: Information Technology

Spreadsheets: To use a spreadsheet and database to collect and record data. **Tinkercad:** Egyptian village
LO: To create a 3D digital model of an Egyptian village.
 I can show these Computing skills:
 - resize 3D shapes to fit them together
 - use the zoom and pan tool to see the model from different perspectives

French:

Salut! Classroom language
 • In the Classroom
 • Useful little words

R.E:
 Hinduism: Hindu beliefs
 Enquiry Question: How can Brahman be everywhere and in everything.
 We are learning to understand the Hindu belief that there is one God with many different aspects.

STEM Project:
 How can I design a system with a pulley to move building materials to the top of a pyramid?

Experiences and Educational Visits:
 Mr Egypt the Egyptologist is visiting Year 5 in Week 3!

Year 5 - Walk like an Egyptian



Class Novel: Secrets of the Sun King
 - Emma Carroll

PSHE: Dreams and Goals
 The children will investigate what they want to do when they grow up by exploring jobs and careers. They will investigate why they want it and the steps they need to take to get there as well as comparing with the dreams and goals of children in other cultures.

Mathematics			
Week 1	Week 2	Week 3	Week 4
Arithmetic test: Number and Place Value LO: round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000	Arithmetic test: Fractions LO: To identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths. To recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number.	Arithmetic test: Fractions LO: To compare and order fractions whose denominators are all multiples of the same number. To identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths	Arithmetic test: Measure LO: To convert between different units of metric measure for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre). To use all four operations to solve problems involving measure (for example, length, mass, volume, money) using decimal notation, including scaling.
Week 5		Week 6	
Arithmetic test: Statistics LO: To solve comparison, sum and difference problems using information presented in a line graph. To complete, read and interpret information in tables, including timetables Maths Link: History Scaling: To know how the Ancient Egyptians used Mathematics to build large scale buildings		Arithmetic test Geometry LO: To compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons. To recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles Maths link STEM: Measures (height & mass) Calculation and conversion of units of measure. Ratio- number of cogs/turns of a wheel.	

Reading

Week 1	Week 2	Week 3	Week 4
P	V	S	I
Texts: Secrets of a Sun King LO: To make predictions from details stated or implied.	Texts: Secrets of a Sun King LO: To explore language and vocabulary within the text.	Texts: Secrets of a Sun King LO: To summarise key events of the book so far.	Texts: Secrets of a Sun King LO: To make inferences about characters thoughts and feelings.
Week 5		Week 6	
E		R	
Texts: Secrets of a Sun King LO: To explore and explain the author's choices		Texts: Secrets of a Sun King LO: To retrieve and record key details.	
Main Text: Secrets of a Sun King by Emma Carroll. Additional texts: Gods and Goddesses and a range of non-fiction topic books on Ancient Egypt.			

Writing

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Writing Focus: To write an explanation of how the Water Cycle works	Write a scene in an existing playscript. The Myth of Bastet	To write a persuasive leaflet; Visit Ancient Egypt	To write a biography about Cleopatra	To write the next part of the story (using chapter 15 of Secrets of a Sun King)	To debate the achievements of the Ancient Egyptians. Are they still important? (STEM link & History Enquiry question)
SPAG Focus: Cohesive devices to link ideas across paragraphs	Brackets for extra information	Model verbs and persuasive language features	Time conjunctions	Relative clauses Parenthesis: pair of dashes	Tenses Balanced argument
Spelling Focus Spelling Rule 37 - Endings which sound like / s/ Endings which sound like / s/ spelt -cious or -tious	Spelling Rule 38 - Endings which sound like / l/ (e.g. social, crucial... etc.)	Spelling Rule 39 - Words ending in -ant, -ance/-ancy, -ent, -ence/-ency	Spelling Rule 40 - Common exception words	Spelling Rule 41 - Words ending in -able and -ible Words ending in -ably and -ibly	Spelling Rule 43 - Adding suffixes beginning with vowel letters to words ending in -fer