



Ancient Egypt

Science: 1st HALF: ANIMALS INCLUDING HUMANS.

Main objectives

- Describe the changes as humans develop to old age
- understand the physical and emotional changes which occur in puberty.

CROSS CURRICULAR:

- Create charts and graphs based on different gestation periods of animals
- Order, compare and convert lengths and masses of human babies as they grow

DIGITAL DATA: Use Excel or Purple Mash 2 Graph to create tables and bar charts showing data about animal gestational periods - use to answer questions like 'which animal has the longest pregnancy?'

LI: Use a spreadsheet to create a simple data table and graph

Science: 2nd HALF: SOLAR SYSTEM

Main objectives:

- describe the movement of the Earth, and other planets, relative to the Sun in the solar system.
- describe the movement of the Moon relative to the Earth.
- describe the Sun, Earth and Moon as approximately spherical bodies.
- use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.

CROSS CURRICULAR:

- Order and compare the radii of objects in our solar system
- Use translation skills to describe the position of the sun as it moves through the day.
- Read, write, compare the circumferences of planets in our solar system
- Write a biography of Copernicus
- Write a fact file on Galileo

DIGITAL PUBLISHING: Use PowerPoint to create an animated slideshow showing the paths of the planets around the sun - use motion paths

LI: Use animations/sound effects effectively in presentations

History: ANCIENT EGYPT

- Place Ancient Egypt on a timeline.
- Learn about the afterlife and embalmment
- Use evidence found in Tutankhamun's tomb to find out about him.
- Understand why the River Nile was important for Ancient Egyptian life.
- Know how irrigation was used for farming.
- Find out what everyday life was like for men, women and children.
- Use a range of artefacts to find out about Ancient Egypt.
- Know that hieroglyphs were an early form of writing and that we can use this to find out more about Ancient Egyptian life.
- Find out how hieroglyphs were deciphered.

CROSS CURRICULAR:

- Compare and order numbers using BC dates as negative numbers.
- Create 3D nets of Ancient Egyptian pyramids(Use Purple Mash 2 Design and Make)
- Solve Egyptian food problems involving calculating decimals.
- Find missing angles of pyramids.
- Draw tomb paintings by using the Egyptian enlarging technique
- Learn about Egyptian gods

DIGITAL PUBLICATION: Use Purple Mash 2 Design and Make to design a 3D pyramid - print out net and stick together

LI: Use simple computer aided design tools to create nets of 3D shapes

GEOGRAPHY: RIVERS AND THE WATER CYCLE.

- Understand stages of the water cycle and key vocab associated with it.
- Locate some of the main rivers in the world on a map.
- Identify different ways a river is used (e.g. transport/fishing/tourism)
- Describe and understand key aspects of rivers using appropriate vocab
- Know how the River Nile affected land patterns and how this has changed over time.
- Locate the River Nile on a map.
- Know some of the key features of the River Nile.
- Investigate the reason why people (and animals) dam rivers

CROSS CURRICULAR

- Reason about the temperatures at different stages of the water cycle.
- Solve word problems based around rivers and the water cycle.
- Write an explanation of how the water cycle works.

DIGITAL RESEARCH/PUBLICATION: Use Google Maps to follow the path of the Nile - take series of screen shots, paste into PPT - use callouts to annotate key features shown on satellite images

LI: Use search tools to find specific information effectively/safely

LI: Group, align and arrange content using layout tools

CHALLENGES FOR THE MORE ABLE PUPILS: Ancient Egypt

- Place Ancient Egypt on a timeline and compare to the Vikings, Romans, Stone Age, Saxons and Greeks - are there any similarities in the length of the different civilisations?
- Which evidence do you think tells us the most about Ancient Egyptian life - the book of the dead, the Rosetta stone, Tutankhamun's tomb? Explain your choice.
- Rank the factors which made the Nile important.
- What is similar/different in everyday life to another civilisation you know?
- Compare Egyptian hieroglyphs to the Greek or Saxon alphabet. Which do you think is the best system and why?

CHALLENGES FOR THE MORE ABLE PUPILS: Rivers and Water Cycle

- Explain how pollution can have an impact on the water cycle.
- What other rivers are as important as the Nile? Locate 3 others and give your reasons for your choice.
- What are the advantages and disadvantages of using a river for transportation?
- Write a description of a river for another Year 5 child - how much technical vocabulary can you use?
- If you were going to design your own city next to the Nile, where would you choose and why?

Art: RIVER COLLAGE

- Question, make thoughtful starting points, select ideas to use in work
- Add collage to a painted, printed background.
- Use a range of media to create collages.
- Use different techniques, colours and textures when designing and making pieces of work.
- Use collage as a means of extending work from initial ideas.

CHALLENGE ACTIVITIES FOR THE MORE ABLE

- Make a more complex collage using more challenging media.
- Compare different materials used and the effects they have using artistic vocabulary.
- Choose different textured materials to create particular effects

D.T: MAKE A PYRAMID TO HOUSE GRAVE GOODS

- Develop a clear idea about what needs to be done.
- To join and combine materials.
- Find techniques for reinforcing and strengthening structures
- Know how structures can fail when loaded.
- Evaluate their products.

CHALLENGE ACTIVITIES FOR THE MORE ABLE:

- Compare different methods of joining and combining materials and discuss what works best and why.
- Design an alternative to a pyramid, taking into account all the techniques, knowledge of structure and materials needed.

<p>Music:</p> <ul style="list-style-type: none"> • Play in ensemble contexts, using their voices and playing instruments with increasing accuracy. • Improvise music for a range of purposes using the interrelated dimensions of music. • Listen with attention to detail to sounds. • Appreciate and understand a wide range of high-quality live and recorded music. • Develop an understanding of the history of music 	<p>P.E (Please follow Val Sabin's scheme of work) Dance, gymnastics and athletics</p>
<p>R.E: How do beliefs influence actions? Inner forces</p> <ul style="list-style-type: none"> • When am I tempted? • Why did Adam and Eve disobey God? • Why did Jonah behave in the way he did? • What beliefs would I refuse to deny? • Why do I find it difficult to accept what I know to be true? • What positive forces do I have in my life? 	<p>How is Christmas celebrated around the world?</p> <ul style="list-style-type: none"> • What differences are there in the accounts given by Luke and Matthew? • Which stories have developed from the 'real' Christmas story? • What happens during Advent? • How do Christmas traditions vary around the world? • What is Epiphany? How is Epiphany celebrated around the world? • What story or play can we create based on traditional Christmas themes?
<p>Computing: Coding, Programming and Computer Games</p> <ul style="list-style-type: none"> • Create and edit flow diagrams to break down a sequence (eg traffic lights) into smaller steps • Create more complex programs using symbols and text to achieve an outcome on screen • Explore the variables in a range of simulations and relate to real life applications and situations • Create simple interactive computer games and activities • Identify and de-bug errors in their own/others code 	
<p>Entitlement and enrichment: British museum/London Zoo/ Hornimans museum (do a session on sound)</p>	
<p>Topic writing links: (please teach during Friday's literacy lesson and work in topic/Science books:</p> <ul style="list-style-type: none"> • Write an explanation of embalment. • Write a biography of Tutankhamun. • Interview Howard Carter. • Write a newspaper article about the curse of Tutankhamun. • Write a life in the day from an Ancient Egyptian perspective. • Retell and Egyptian myth. • Create a booklet about the water cycle. • Write a diary entry about the discovery of Tutankhamun's tomb. • Write a postcard from the River Nile. • Create an advert for the pyramide created in D.T. • Wrote a poem based on river collage. • Create a simple biography about Ptolemy, Alhazen or Copernicus. 	<p>Literacy books which link to the topic:</p> <ul style="list-style-type: none"> • Flat Stanley and the Egyptian Grave Robbery • The Time Travelling Cat and The Egyptian Goddess • Tales of Ancient Egypt (Robert Lancelyn Green) • The Red Pyramid • Casting the Gods Adrift • The Scarab's Secret