

English

- Distinguish between homophones and other vocabulary that are often confused
- Understand how to present evidence to support a point of view
- Identify and discuss themes across a range of writing
- Learn to develop characters and setting in narrative writing
- Use dialogue to convey character traits and motivations
- Use brackets, hyphens or commas to indicate parenthesis
- Understand how to use modal verbs

Computing

- Learn how to model in 3D using computer aided design packages
- Use technology responsibly and respectfully
- Understand how computer networks share information
- Recognise how to use technology respectfully, robustly and responsibly

Physical Education

- Analyse and improve techniques in invasion games
- Combine throwing, jumping and running to achieve team goals
- Extend stamina with various exercises and understand why exercise is important
- Develop flexibility and strength in racquet sports

History/Geography

- Understand how mummification led to improved medical knowledge
- Learn how climate zones impact on vegetation belts, rivers and the water cycle
- Appreciate the cultural and economic achievements of Ancient Egypt
- Learn how agriculture and commerce was developed along the Nile River

Music

- Use percussion instruments for rhythmic patterns
- Understand how to use staff and other musical notations

Modern Languages

- Extend vocabulary to learn new words in Spanish to use in conversation

Mathematics

- Compare, order and relate fractions to decimal equivalents
- Learn a range of formal methods for recording calculations
- Add and subtract fractions with different denominators
- Understand and find percentages of numbers
- Find missing numbers in formulae or number puzzles
- Convert between imperial and metric units of measure
- Calculate the area of parallelograms and triangles

Art/ Design & Technology

- Learn how to create annotated and cross-sectional diagrams
- Draw inspiration from famous artists work and use key techniques
- Learn about art history and improve mastery of sketching skills

Religious Education

- Learn about life as a Hindu, including the key features of a Mandir
- Understand how Old Testament Bible stories shape the life of Christians

Personal, Social, Health and Citizenship Education

- Appreciate the need for cooperation, consideration and compromise
- Address key concerns about life at secondary school

Pharaohs, Forces and Flow!



YEAR 6

Science

- Identify the effects of air resistance, water resistance and friction on objects in motion
- Learn how levers and gears can multiply or reduce an effect
- Appreciate how Newton's laws of motion explain the movement and behaviour of objects being acted on by a force
- Understand how air resistance can be minimized in pursuit of improved efficiency
- Learn how wings create lift and how aviation has changed since the Wright Brothers



You can help your child with their learning in the following ways:

- Read at home each day, discussing the content of the book and asking your child to explain his or her opinion about it. Please make sure that an adult has signed the reading record so that it is clear that this practise has taken place.
- Practise times tables, including the division facts related to each table.
- Help with weekly homework- talking about the work and ensuring that your child understands the concepts.
- Encourage your child to research more about topics that they are interested in.
- Work with your child on the Graded Number Challenge, encouraging him or her to use different mental strategies quickly and efficiently.
- Discuss what your child has learnt at school in the week and ask him or her to show you an example.
- Use a range of resources to find out information about our current topics.

Special events this term will include:

World Book Day
School Health Day
In school sports tournaments
Change for Change Day
Educational visit

Spring Term 2018

8 January – 29 March
(Half Term 12 - 16 February)

Summer Term 2018

The Summer Term will begin on
Monday 16 April

Websites to help your child with their learning

Espresso/Discovery

<https://online.espresso.co.uk/espresso/login/Authn/UserPassword>

<https://www.activelearnprimary.co.uk/login?c=0>

Year 6 Websites

Selection of activities to support learning in maths

<http://www.netagency.co.uk/keyedin2/index.html>

<http://www.bbc.co.uk/bitesize/ks2/>

Revision for English and Maths

<http://www.bbc.co.uk/skillswise/english>

Resources to support history and religious education topics

http://www.ducksters.com/history/ancient_egypt.php

<http://www.reonline.org.uk/specials/places-of-worship/hinduism.htm>

Indian Queens CP School, Suncrest Estate, Indian Queens, Cornwall, TR9 6QZ

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INDIAN QUEENS PRIMARY SCHOOL



LEARNING CHALLENGE INFORMATION

YEAR 6

SPRING TERM 2018

Pharaohs, Forces and Flow (January - March)



This term's topic for Key Stage 2 is 'Pharaohs, Forces and Flow'. Through this exciting topic, we will be learning about the cultural and economic achievements of Ancient Egypt. We will also be studying how air resistance and friction can be used to benefit daily life. This will include:

- How do helicopters and aeroplanes maintain flight?
- When, and how, was the Great Pyramid built?
- What did the Ancient Egyptians do with their dead?
- Why did pyramids change in style and increase in size?
- What is 'streaming' and how can we stay safe online?
- What items would be found inside a Mandir and how are they used?
- How can air resistance be maximised or minimised?
- Who devised the laws of motion and what are they?
- How does an author communicate the personality of a character?
- Why is the Ganges so important to the Hindu faith?
- How can I find space in invasion games?
- What affects a river's course to the sea?
- Who controls and instructs the orchestra?