

**English**

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

**History/Geography**

- Investigate how Anglo-Saxon and Viking culture changed society
- Understand what sites like Sutton Hoo have taught us about ancient cultures
- Appreciate the impact of Viking raids on coastal areas and how navigation was possible
- Learn about maps and coastal features

**Music**

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

**Modern Languages**

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

**Mathematics**

- Learn how to read six figure grid references and use bearings
- 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

**Art/Design & Technology**

- Learn about art history and improve mastery of painting skills
- Apply texture and tone to natural and man-made objects
- Draw inspiration from famous artists work and use key techniques
- Design and make an electrical device

**Religious Education**

- Discuss reasons for Vikings converting to Christianity
- Learn about the role and lifestyle of ancient monks
- Discover how Christianity came to Cornwall

**Personal, Social, Health and Citizenship Education**

- Appreciate the importance of co-operation and compromise
- Address key concerns about secondary school
- Identify special talents and skills

**ROUTES AND ROOTS**



**Year 6**

**Science**

- Understand how symbols are used to represent features in a circuit
- Analyse and identify faults in circuits
- Investigate various insulators, conductors and how some materials resist the flow of electricity
- Understand how bulbs work in parallel and in a series
- Appreciate why electricity is dangerous and how to stay safe
- Learn how various types of switches work and can be used
- Investigate how voltage impacts on brightness or volume in a circuit

**Physical Education**

- Compare and improve performance
- Combine running, jumping and throwing to achieve team goals
- Extend stamina with various exercises and understand why exercise is important
- Develop flexibility and strength in gymnastic and dance activities

**Computing**

- Use technology responsibly and respectfully
- Use sequence and repetition in programs
- Combine software to collect and analyse information
- Understand how computer networks share information

### 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  
Health Day  
Science and Mathematics week  
Bournemouth Symphony Orchestra Day  
Red Nose Day  
Change for change week (Bongwe)  
Educational visit to Falmouth Art Gallery including trip on River Fal

#### Spring Term 2017

3 January – 31 March  
(Half term 13 – 17 February)

The Summer Term will begin  
on Tuesday 18 April

### Websites to help your child with their learning

Espresso/Discovery

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

Bug Club (link)

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

### Year 6 Websites

Revision for English, Maths and Science

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

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

Selection of activities to support learning in maths

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

Resources to support science topics

<http://thefusebox.northernpowergrid.com/page/circuitbuilder.cfm>

[http://www.cleo.net.uk/consultants\\_resources/science/circuitWorld/circuitworld.html](http://www.cleo.net.uk/consultants_resources/science/circuitWorld/circuitworld.html)

Resources to support history topics

<http://www.ngkids.co.uk/history/anglo-saxons>

<http://timetravellerkids.co.uk/time-travel/viking-sweden/>

Indian Queens CP School, Suncrest Estate, Indian Queens, Cornwall, TR9 6QZ  
Telephone 01726 860540  
[www.indianqueensschool.org](http://www.indianqueensschool.org)

## INDIAN QUEENS PRIMARY SCHOOL



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### LEARNING CHALLENGE INFORMATION YEAR 6 SPRING TERM 2017

### ROUTES AND ROOTS (January - March)



This term's topic for Key Stage 2 is 'Routes and Roots'. This is an exciting topic which links together different areas of the curriculum. We will be studying the **routes** that were travelled by the Invaders and Settlers of England (Anglo Saxons and Vikings). We will also be finding out more about the **roots** from which the British civilization and values have grown. Our geography and science topic link in to this by studying maps and worldwide **routes** travelled by people past and present, and also the routes along which electricity flows.

- What do artefacts found at Sutton Hoo tell us about the Anglo-Saxons?
- Why are six figure grid references so useful?
- How does an author convey the personality of a character?
- What is electrical resistance?
- How has the work of famous artists influenced painting?
- What are the key electrical circuit symbols?
- How did Vikings navigate and move across oceans so effectively?
- What was life like for monks in remote monasteries?
- Why are computer networks useful?
- How is texture and tone used in art?
- Why are healthy diets, sleep and exercise so important?
- What affects the brightness of bulbs in a circuit?
- How is compromise and co-operation different?