

## English

- Using a wide range of vocabulary to express views
- Assessing the effectiveness of their own and others' writing and suggest improvements
- Understand the technical vocabulary for grammatical terms
- Reading books that are structured in different ways and reading for a range of purposes

## History/Geography

- To understand how people spread across land bridges and colonised remote areas
- Energy generation and dispersal of resources
- What has archaeology taught us about ancient sites?
- How were Neolithic sites constructed and used?
- The impact of European trade on local culture

## Music

- How musical compositions can create images and shared experiences

## Modern Languages

- Learning to converse effectively in a shop or cafe situation

## Mathematics

- Using and ordering large numbers, decimal numbers and negative numbers
- Investigating a range of formal calculation methods that utilise the four functions
- Incorporating fractions into sums and converting to mixed number and decimal equivalents
- Applying our time knowledge to different situations
- Solve algebraic equations
- Understand how maths can be applied across the curriculum

## Physical Education

- Understanding how exercise is beneficial to general health
- Applying invasion game tactics including defending and finding space
- Improving hand-eye co-ordination using a range of equipment
- Synchronised actions that combine strength and precision in formations

# Move It! Year 6



## Art/D&T

- Investigating how cams can be used
- Designing systems that use different shape cams
- Understanding how perspective and proportion can be applied

## Religious Education

- Ancient beliefs including Winter festivals
- Creation stories
- Religious leaders

## PSHCE

- Learning how to express our views
- Identifying and selecting appropriate courses of action to achieve lifetime goals

## Science

- Understand how shadows change depending on the position of the light source
- That light travels in straight lines and can be reflected
- How light can be refracted and split in to the spectrum
- Know how sound travels through various mediums
- How the frequency of sound can change
- Understand how the human eye processes light
- Why echoes rebound and that sound travels as a wave
- That sound is measured in hertz and at what point sound becomes damaging

## Computing

- E-safety
- Adapt code to overcome problems
- To identify errors in code
- To discern between digital content and evaluate the effectiveness
- Learn to model in three dimensions

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

### **Help your child with Personal, Social, Health and Citizenship Education (PSHCE) in Year 6**

This term's focus will help children to develop their understanding of how they can "Be the Best". Talk to your child about what they would like to be in the future. Ask them how they intend to become that. Could they make a plan consisting of small steps to achieve their goal? At school they will be encouraged to work towards goals and targets they have set themselves, building on the Olympic Legacy of 2012, which includes showing the Olympic values in their daily lives. All children will be helped to recognise their strengths and achievements whilst also acknowledging how they can improve in other areas.

### **Websites to help your child with their learning**

#### **Websites for all Year Groups**

Espresso/Discovery

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

Bug Club (new link)

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

Children should know their own name and password. Please contact the school if you have any problems.

#### **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://www.bbc.co.uk/newsround/15743115>

<http://www.ase.org.uk/resources/scitutors/subject-knowledge/k43-light-and-sound/>

Resources to support history topics

<http://timetravellerkids.co.uk/time-travel/stone-age/neolithic/>

[http://www.britishmuseum.org/learning/schools\\_and\\_teachers/resources/all\\_resources/neolithic\\_britain.aspx](http://www.britishmuseum.org/learning/schools_and_teachers/resources/all_resources/neolithic_britain.aspx)

## INDIAN QUEENS PRIMARY SCHOOL



### LEARNING CHALLENGE INFORMATION YEAR 6 AUTUMN TERM 2016

## Move It! (September - December)



**In this topic we will be learning about the Neolithic World and how movement has been crucial in the advancement of civilisation. This will include:**

- How were ancient structures constructed?
- Why did Neolithic people create cave art?
- Why did ancient people populate remote areas of the world?
- What did ancient people believe?
- What has archaeology taught us about ancient sites?
- How did perspective and proportion improve early cave art?
- How did European trade impact on the life of Neolithic people?
- Why do we have rainbows?
- How was light and sound used in the modern and ancient world?
- Do light and sound travel in straight lines?
- How does the eye detect and process light information?
- Why do echoes repeat?
- Why did Pendennis Castle change over time?
- How do cams influence the movement of objects?
- Why is exercise beneficial to our health?