

**Science – Materials**

Identify and compare the uses of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard. Which material is best for making a fast vehicle? Compare how things move on different surfaces. Which surface is faster?

**Geography –**

Compare the United Kingdom with other areas of the world. Which different types of vehicles do you need?

**Computing –**

Learn to create lists of instructions to control digital devices. How can we make the instructions accurate and precise?

**Writing**

Learning how to write information texts, the key learning will be learning to use different organisational features to suit the purpose of writing. A key focus will also be on using capital letters, full stops, question marks and commas accurately and independently.

**Mathematics**

The principal focus of mathematics teaching in Year 2 is to ensure that pupils develop confidence and mental fluency with whole numbers, counting and place value. This will involve working with numerals, words and the four operations, including with practical resources.

**Art and design**

Design and build an air powered rocket car. Make decisions about the size and shape, its wheels and the method needed to secure the rocket that will power it. Use drawing and painting skills to enhance the design and develop and share ideas.

**Music**

Listen to different types of music and learn to understand how they are created.

**Physical Education**

Learn the basic movements of running, jumping, throwing, and catching, as well as developing balance, agility and co-ordination, and begin to apply these in a range of activities.

**Reading**

During our topic this term, the focus will be on information texts and the key learning will be to understand the organisational features of texts such as alphabetical order, layout, diagrams, captions and bullet points.

**History**

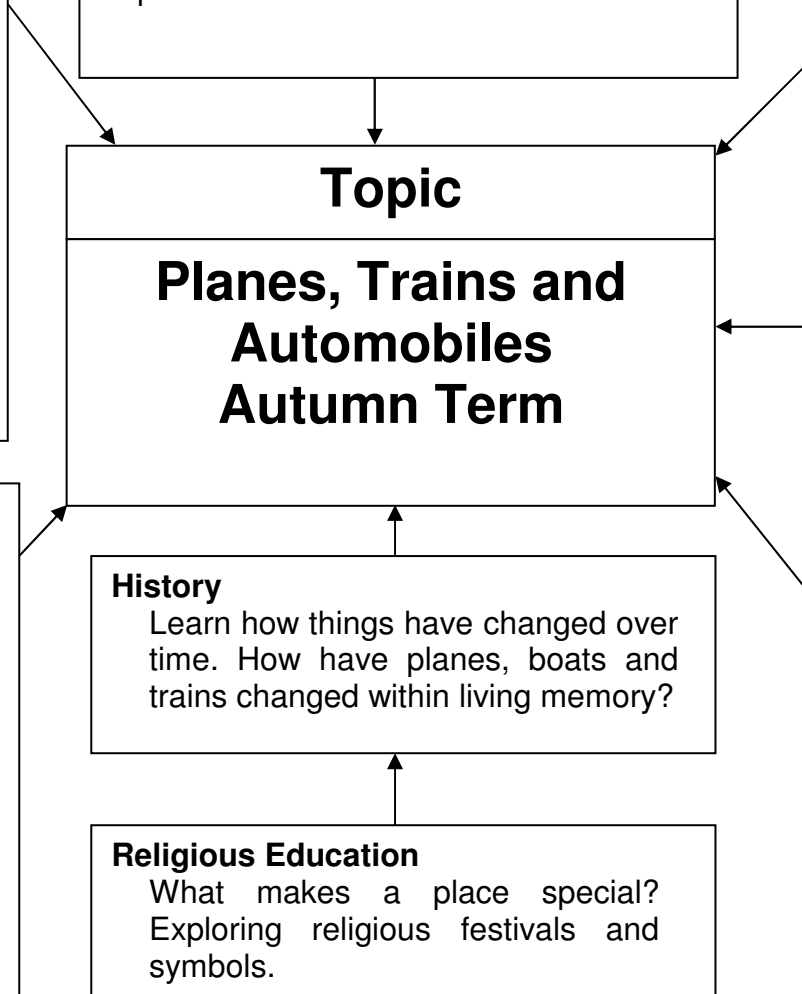
Learn how things have changed over time. How have planes, boats and trains changed within living memory?

**Religious Education**

What makes a place special? Exploring religious festivals and symbols.

**Topic**

**Planes, Trains and Automobiles  
Autumn Term**





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

- Use the useful websites stated. Use these to develop your child's knowledge of times tables and number skills.
- When you go shopping, ask your child to add the prices of some items together. When they get to till, are they correct?
- Ask your child to help you weigh ingredients, or divide food equally so that each person gets the correct amount.
- Show them the time on a digital/ analogue clock. Can they read the time?
- Schedule a regular time for reading. Perhaps when you get home or when you go to bed. Take turns asking questions about the stories that you have read. Your child can ask you questions and vice versa.

<p><b>Special events this term will include:</b></p> <p>Summer Fair continued          Educational visit to Mawgan Porth beach          Book Fair          Performance of Charlotte's Web          Celebration Lunch          Bongwe Fundraising Day          Heroes Day          Winter Fair          Open Learning sessions</p>	<p><b>Autumn Term 2017</b></p> <p>5 September – 20 December          (Half Term 23-27 October)</p> <p><b>Spring Term 2018</b></p> <p>The Spring Term will begin on          Monday 8 January 2018</p>
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### Websites to help your child with their learning

Espresso  
<https://online.espresso.co.uk/espresso/login/Authn/UserPassword>  
 Children should know their own name and password. Please contact the school if you have any problems.

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

English, maths and science activities:  
<https://uk.ixl.com/math/year-2>  
<https://uk.ixl.com/ela/year-2>  
<http://www.bbc.co.uk/education/levels/z3g4d2p>

Learning about the wider world:  
<http://www.primaryhomeworkhelp.co.uk/revision/Science/>

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

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### LEARNING CHALLENGE INFORMATION YEAR 2 AUTUMN TERM 2017

## Planes, Trains and Automobiles (September – December)

In this topic we will be learning about different types of vehicles from around the world. We will be learning how vehicles have changed over time and thinking about what vehicles might be like in the future. We will also be designing and making our own vehicles.



- How have vehicles changed and why?
- What materials are vehicles made of?
- Which materials are best for which job?
- What were vehicles like in the past?
- What might vehicles look like in the future?
- What mode of transport is best when travelling in different environments?
- What world records have been set by vehicles?
- What vehicles have helped shape the world we live in?
- How will vehicles be powered in the future?
- How will different fuels affect the planet?
- Who has been important in the development of vehicles?