



During this half term our enquiry is:

## **What makes a structure strong?**

We will become engineers and architects and use all of our knowledge on shape and materials to design and build a bridge to carry a given weight. We will become inspired by a visit from Network Rail who will work with the children to build a giant tetrahedron, We will use the knowledge gained during this to help us without future learning. We will look at structures around the world to identify what makes them strong. We will also carry out a number of investigation to discover what the strongest shape is and test materials. We will showcase our learning by taking part in The Architect of the Year Competition where parents and guardians will be invited to attend at the beginning of Summer 1.

Subject	Activities / areas to be covered in school	Possible learning at home
English	<p>Key Text- The Wolves in the Walls, Neil Gaiman.            Texts used to support: The Wolves Story, Toby Forward, Beware of the Storybook Wolves, Lauren Child and The Slightly Annoying Elephant, David Walliams.            Reading focus on inference and prediction skills.            Skills focus- adjectives, conjunctions (and, but, or, because, when, if), different types of sentences- commands and questions, looking at verbs in different forms.            Text Level- Writing their own narrative changing the wolves for elephants.</p> <p>The Building Boy- Reading focus on inference and prediction skills.</p>	<p><a href="https://www.youtube.com/watch?v=JOR0cYEdI9U-">https://www.youtube.com/watch?v=JOR0cYEdI9U-</a> verbs, adjective and nouns.  <a href="https://www.youtube.com/watch?v=n_foMADqjSc">https://www.youtube.com/watch?v=n_foMADqjSc</a> statement, command, question, exclamation sentences.</p> <p>Read books at bedtime about wolves and elephants so they can understand the current text and help write their own narrative using elephants. This website offers a starting point  <a href="https://www.natgeokids.com/uk/discover/animals/general-animals/elephant-facts/">https://www.natgeokids.com/uk/discover/animals/general-animals/elephant-facts/</a></p>
Maths	<p>Fractions- whole, half, quarter, three quarters and on third.            Time- hour, half past, quartet to, quartet past, to the nearest 5 minutes.            Continuing to work on mental addition, subtraction, multiplication and division.</p>	<p>Talk about fractions when cutting up sandwiches, cakes etc.            Make playdough and cut them into different fractions.            Share sweets etc between 2 or 4 people and talk about what fraction of the amount each person gets.</p> <p>Talk about time at home looking at an analogue clock or watch.</p>
Computing	<p>We will use the ICT programme Paint 3D. We will learn how to use this programme and then design our bridges on it before making them in DT.</p>	<p>Explore using any paint or drawing programmes.</p>
Physical Education	<p>Indoor: Dance            Outdoor: Mini Tennis</p>	<p>Watch and join in with dances on Go Noodle-  <a href="https://www.youtube.com/watch?v=KhfkYzUwYFk">https://www.youtube.com/watch?v=KhfkYzUwYFk</a>  <a href="https://www.youtube.com/watch?v=sFcPEYRGMu4">https://www.youtube.com/watch?v=sFcPEYRGMu4</a></p>



		<p>Go Noodle Tennis  <a href="https://www.youtube.com/watch?v=xVBIsEU6c_U">https://www.youtube.com/watch?v=xVBIsEU6c_U</a></p>
PSHCE	<p>Kindness- What does it mean to be kind? What can we do to show kindness?            Secrets- Talking about good and bad secrets. When to share a secret with others and knowing who to go to for support.            Identifying how my needs have changed and how this links to me being more responsible.            Knowing that I have the right to privacy and others do to. Learning how to respect others privacy.</p>	<p>Watch the link below and discuss what kindness means.  <a href="https://www.youtube.com/watch?v=rweIE8yyYOU&amp;app=desktop">https://www.youtube.com/watch?v=rweIE8yyYOU&amp;app=desktop</a>            Talking about secrets and if they have ever been asked to keep a secret.            Talk to your child about how they are changing and growing and what they need to do to become more responsible. What can they do at home?</p>
Geography	<p>Locating structures in the 4 parts of the UK and around the world.            Looking at the continent that the countries belong to.</p>	<p>Look at a map of the UK and identify England, Scotland, Wales and Northern Ireland.            Can they name the continents on a map of the world?</p>
History	<p>We will look at a significant individual who contributed to National Achievements- Isambard Kingdom Brunel – We will talk about what aspects of Brunel's character made him successful and a significant historical character to study.</p>	<p>Research any structures that Brunel designed.</p>
DT/ Science	<p>We will begin by looking at the suitability of materials and discussing why we have different materials for different purposes.            We will find out which structure is the strongest by carrying out investigations using different shapes and materials.            We will be looking at changing materials and the rigidity of different materials.            We will use our knowledge to design and build a bridge to enter into 'The Architect of the Year Competition'. Children will work together to build a bridge which will then be tested to see if it is strong enough to hold a given weight.</p>	<p>Look at different spoons at home (metal, plastic, wooden) and think about which spoon you would use for baking, mixing hot food, taking on a picnic. Why?            Look at things in the home and what they are made of. Could they be made out of something else?</p> <p>Look at different buildings when you are out and talk about how they have been built. Do they have anything in common?</p> <p>Visit local structures- The Brick Train, The Transporter Bridge and Angel of the North.</p>
RE	<p>We will be learning about celebrations in general and then we will look at the celebration of Easter. We will explore Passover and its significance. We will then look at Holy week and explore what this means to Christians.</p>	<p>Talk about what you do at Easter and read the Easter story.</p>