



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 look at structures around the world to identify what makes them strong. We will also carry out a number of investigations in science 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 end of the Spring term.

Subject	Activities / areas to be covered in school	Possible learning at home
English	<p>Over the next half term we are going to read a number of interesting texts. Firstly we cover <i>The Building Boy</i>. This is a story all about a little boy that has a wonderful bond with his Grandma. We explore different vocabulary and we practise answering a range of different styled retrieval and inference questions. In addition, we are going to read <i>The Dragon Machine</i>. This is another exciting book that encourages the children to compare the two texts. We are going to develop our description skills using extended noun phrases. We are then going to explore a range of non-fiction texts</p> <p>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 description of the Dragon Machine.</p>	<p>Continue to explore different texts fiction and non-fiction. Visit the library. Write a book review about some of the books you are reading at home. Continue to practise spelling common exception words and high frequency words.</p> <p>https://www.youtube.com/watch?v=JOR0cYEdI9U- verbs, adjective and nouns. https://www.youtube.com/watch?v=n_foMADqjSc statement, command, question, exclamation sentences.</p>
Maths	<p>We will begin the half term by continuing with our work on shape. We will learn about the properties of shape and the children need to recognise and name both 2D and 3D shapes and differentiate between them. We have also practised drawing the vertical lines on symmetry.</p> <p>We will then move on to money, and the children will learn how to count pounds and pence as well as counting coins and notes when the pounds and pence are mixed. E.g. £14 and 56p. The children will then learn to select money, compare amounts and make the same amount in different ways. Using their knowledge of addition and subtraction from last term, they will find the total, the difference and the change as well as having the opportunity to apply their knowledge to solve one or two-step problems.</p>	<ul style="list-style-type: none"> - Practise counting in 2s, 5s, 10s and 3s. - Start to learn the 2, 5 and 10 times tables fluently. - Count money to find the total. - Have a go at using money to pay for something at the shop. Can you work out how much change you will get?

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		Practise fluency using Numbots Continue to practise number facts using Numbots at home.
Computing	This unit introduces the children to the term 'data'. Children will begin to understand what data means and how this can be collected in the form of a tally chart. They will learn the term 'attribute' and use this to help them organise data. They will then progress onto presenting data in the form of pictograms and finally block diagrams. Children will use the data presented to answer questions.	Children could make a tally chart of things they see around the house or when they're out.
Physical Education	Indoor: Dance – The children will create a dance to the famous track, Thriller! Outdoor: Mini Tennis	Ask the children to show you the dance routine that they have learnt this week and practise it with them.
Music	In music the children will develop an understanding of structure by exploring and ordering rhythms. They will recognise, play and write rhythms with one beat and paired half beats and read and follow a structure from left to right. They will add rhythms to a structure to create a beginning, middle and end. Children will be required to work as a group, listening to others and respecting their ideas. They will maintain a steady beat and use a thinking voice to play rhythms on an instrument.	Listen to a wide range of music; to develop an understanding of different sounds. Listen to different instruments and begin to name them.
Art	The children will be introduced to an artist called Wassily Kandinsky and learn how music inspired his art work. The children will explore how we can make art inspired by the sounds we hear.	Listen to different sounds at home and let it inspire you to be creative. What is the connection between art and music? How can one inspire the other?
PSHCE	This half term the children will be learning how to stay safe. This includes road and cycle safety, fire and water safety as well as looking at substances around the home. They will learn about what a hazard is, how to spot them and who tell if they feel they or others are in danger. We will also cover internet safety, so children know the importance of staying safe online.	Create a poster on one of the safety areas. Spot hazards around the home and tell an adult.
Geography	Locating structures in the 4 parts of the UK and around the world. Looking at the continent that the countries belong to. This will be linked to structures and bridges around the world and our local area.	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?
History	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.	Research any structures that Brunel designed. Create a PowerPoint about Emily Warren Roebling.

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	We will also learn about Emily Warren Roebling, an inspirational woman who helped to complete the Brooklyn Bridge.	
DT/ Science	<p>We will begin by looking at the suitability of materials and discussing why we have different materials for different purposes.</p> <p>We will find out which structure is the strongest by carrying out investigations using different shapes and materials.</p> <p>We will be looking at changing materials and the rigidity of different materials.</p> <p>We will use our knowledge to design and build a bridge to enter into 'The Architect of the Year Competition'. In DT children will learn to safely saw wood and apply their joining skills from last half term. 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?</p> <p>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	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.	Talk about what you do at Easter and read the Easter story.