

Year 3

Spring 2 Overview

Homework will be given out on a Friday to be returned on a Wednesday



During this half term our enquiry is: How are toys and games based on science?

The children will start the topic by exploring and investigating toys and games, deciding if they are based on science or not. They will then learn about forces and have the opportunity to work scientifically by: comparing how different things move and grouping them; raising questions and carrying out tests to find out how far things move on different surfaces and gathering and recording data to find answers their questions; exploring the strengths of different magnets and finding a fair way to compare them; sorting materials into those that are magnetic and those that are not; looking for patterns in the way that magnets behave in relation to each other and what might affect this, for example, the strength of the magnet or which pole faces another; identifying how these properties make magnets useful in everyday items and suggesting creative uses for different magnets in games (linked to DT). Although this will be the first time that the children have studied this area of Science, their observation skills and ability to look for patterns will be built on from KS1 through investigations. They will use their DT skills by designing a game using their scientific knowledge of magnets. They will practise cutting slots and sheet material when creating their products.

Subject	Activities / areas to be covered in school	Possible learning at home
English	<p>In English we will be reading <i>The Wolves in the Wall</i> by Neil Gaiman. We will then use this to look at and explore verbs, adverbials and adjectives. We will plan and write a sequel to this narrative. This will involve elephants coming out of the wall. As part of this we will learn the rules of speech and include a short conversation within our writing.</p> <p>We will continue to read longer texts independently to develop our fluency and answer comprehension questions about the text.</p>	<p>Have a go at writing a sequel to a book they have read.</p>
Maths	<p>In Maths, the children will be further developing their confidence with multiplication and division and start to use long multiplication and long division to solve calculations. They will then use this knowledge to solve problems. They will continue to develop their efficiency and accuracy when recalling answers to multiplications and divisions that link to the 2's, 3's, 5's and 8 times tables.</p>	<p>Use the following link to encourage children to work on their efficiency with their time tables. https://www.topmarks.co.uk/maths-games/7-11-years/times-tables Ask children quick fire times tables questions. Go on the White Maths 1 minute App and on Numbots.</p>

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Science	Science is our main driver for this topic: <i>How are toys and games based on science?</i> Children will receive a letter from a company who want them to test and try out different games based on magnetism and forces. Children will investigate push and pull forces, explore magnetism and gravity and find out about the role of different magnets in every day life. We will learn about the two poles on magnets and why some magnets repel or attract. They will use their knowledge to before designing and creating a magnetic game to share with the toy company. The children will carry out lots of scientific investigations around magnetism and forces to aid their own learning.	What can you notice around your house and in the environment that uses magnets and forces? What is happening to the force or magnet? What effect is it having on the object?
Physical Education	Our outdoor PE session will be with Miss Dresser where we will learn how to play football. We will learn how to control a ball and work on attacking and defending skills. We will focus on hand-eye co-ordination and accuracy. During our indoor slot we will be doing dance where we will learn part of a dance each week before putting it all together.	Encourage your child to take the dog for a walk, go out on their bike or scooter or take them to the park. If your child would prefer to stay inside there are lots of 'GoNoodle' videos you can search and join in with.
Music	In music this term the children will be learning about ragtime style music, traditional jazz and scat singing. They will create a jazz motif using a swung rhythm.	Listen to some Jazz music.
ICT	In computing we will develop children's understanding of what a branching database is and how to create one. They will use yes/no questions to gain an understanding of what attributes are and how to use them to sort groups of objects. Learners will create physical and on-screen branching databases. To conclude the unit, they will create an identification tool using a branching database, which they will test by using it. They will also consider real-world applications for branching databases.	Encourage children to find a topic they are interested in and think of questions which require a yes or no answer. Use the following website: https://www.j2e.com/jit5#branch
DT	DT and science will work together this term in order for the children to design and make their science fair game. The children will work in teams using their scientific knowledge to make a magnetic game that can be played. They will need to use different sheet materials as well as their measuring skills when making the game. As always in DT, the children will reflect on their work and see what went well and what could be improved if they were to make it again.	What games have you got at home that could use magnets? What ideas could you come up with for magnetic games? Practice measuring and cutting skills.
PSHE	In PSHE this half term we will be answering the question: What makes a community? We will look at how we belong to different groups and communities, e.g. friendship, faith, clubs, classes/year groups. We will explore what is meant by a diverse community; how different groups make up the wider/local community around the school. We will also explore how the community helps everyone to feel included and	Look at all the different groups they belong to. Do they enjoy being part of them? Why?

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	values the different contributions that people make. We will learn that it is important to be respectful towards people who may live differently to us.	
RE	In RE this half term we will explore the question Why are festivals important to religious communities? We will look at the Muslim festival of Eid and the Christian festival of Easter.	Talk to your child about the significance of Easter and why we celebrate it. Talk about all the things they celebrate together and how this make people feel.