

Year 5—Fascinating Forces—Autumn 2

In Technology the children will be learning to:

- How to make a Catapult
- Devise and use step-by-step plans
- Work with a variety of tools and materials with some accuracy
- Test and evaluate their own work and improve on it

In International, the children will be focussing on:

- How countries use natural forces as energy
- How we can work together to meet our energy needs without harming our planet

In RE the children will be focussing on:

- Why some people inspire others
- Understanding the personal qualities of Jesus and Guru Nanak
- Identifying the qualities and actions of historical and modern inspirational people
- Considering how and why some people inspire others to think, act or believe in particular ways

In French the children will be focussing on:

- Developing a wider variety of classroom instructions and commands
- Learning to describe what we look like and how we feel
- Learning how to explain what we are doing in the classroom

In PSHE the children will be :

- Reflecting on how to build positive relationships
- Understanding how to build positive relationships
- Learning who you can ask for help and learning how to help themselves
- How to keep safe online

In Science the children will learn:

- How a ball flies through the air
- What friction is and how it helps us
- How different objects fall
- What gravity is and how it pulls on objects
- How air resistance affects moving objects
- How water pushes up on floating objects
- Why some objects float and others sink
- To conduct scientific investigations posing scientific questions
- To choose an appropriate way to investigate a scientific issue
- To make systematic and accurate measurements from their observations
- To explain and justify their predictions, investigations, findings and conclusions
- To record and communicate their findings accurately using the most appropriate medium and the appropriate scientific vocabulary and conventions

In ICT the children will be focussing on:

- Using the internet to find answers to questions, including following links and making judgements about the suitability of information
- Using the internet safely and know what to do if unsure of something
- Using the computer to present information in different ways
- Using word to record information and changing fonts and size of text to help organise our writing
- Using powerpoint to display information effectively and then present this to others

In PE the children will be focussing on:

- Developing the skills required for different invasion games

In Music the children will be:

- Learning about some of the skills needed to perform in front of an audience

In Maths the children will learn about:

- Roman numerals up to 1000
- Understanding fractions and their equivalents and beginning to relate this to decimal fractions
- Adding and subtracting fraction by finding a common multiple
- Using written methods of multiplication and division and solving problems
- Understanding that angles are measures in degrees ($^{\circ}$)
- Solving calculation problems using information presented in a line graph
- Solving problems involving converting between units of time

In English through the writing of information about different topics, the writing of our own poems and creating stories, we will be exploring the following learning outcomes;

- Learning to use relative clauses within our writing
- Using commas in different ways, including as a parenthesis to add detail or clarity
- Organising our writing into paragraphs and using adverbials to link one paragraph to the next, creating cohesion between them
- Exploring ways to plan the ideas for use in our writing, choosing which things to include or leave out
- Using modal verbs to indicate degrees of possibility
- Finding and recording information effectively from non-fiction books
- Making inferences about the meaning of poems and fiction
- Evaluating how writers use descriptive language to create effects