# Fascinating Forces

Dear parents,

Over the next term those of us in Class 5 will be following the IPC unit of learning Fascinating Forces.

This unit of learning is part of the International Primary Curriculum. This curriculum sets out very clearly what children will learn in three different areas:

**Subject learning goals:** Art, Geography, Health & Wellbeing, History, ICT, Music, PE, Science, and Design, Technology and Innovation. The learning goals for these subjects were developed using a range of established international curricula and have been subject to a rigorous quality assurance process involving schools from all over the world. Mathematics and Language Arts connections are made to the units to encourage children to transfer and apply their learning.
**Personal Learning Goals:** These are the individual qualities and attitudes that children should aim to demonstrate. (Adaptable, Collaborator, Communicator, Empathetic, Ethical, Resilient, Respectful, Thinker.) The Personal Learning Goals are essential characteristics that responsible, global citizens will need in order to thrive and positively respond to the challenges societies are facing, both now and in the future.
**International Learning Goals**: These help children develop as globally competent learners who have an interest in, and wish to take action on local and global issues and challenges. The International Learning Goals promote engagement with multiple perspectives and various countries and cultures, including home, host and adopted countries.

During this unit we will be focusing on:

In Science, we'll be learning about:

- Gravity and falling objects
- Using a Newton Meter
- Comparing mass and weight
- Using air resistance to slow objects
- Harnessing the power of simple machines
- What density is and how it affects the buoyancy of objects
- Planning a fair test to investigate upthrust and buoyancy.

In Design Technology and Innovation, we'll be learning about:

- Different ways to power a model boat
- Trial and error as an approach to learning.

In International, we'll be learning about:

- Using natural forces to generate electricity.

All the learning that will be taking place is designed to help your child achieve the identified learning

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goals. Children will be reading, researching, writing, illustrating and learning both on their own and in groups. In order to see how well your child has learned, we will be assessing them through particular activities and asking them to explain their thinking and new learning, perhaps to you. When appropriate, digital technology will be used as a tool to aid learning.

We already know the interest you take in your child's learning. Please discuss what happens in school with your child, in any of the languages you use in the home.

If your child has some research to do at home, please help them by asking guiding questions and giving prompts. However, they must take responsibility for their own home learning. Please make the most of opportunities to enhance learning as a family through local visits or discussing current affairs. Your enthusiasm and interest are important and will impact on your child's learning.

By the end of the unit, we hope your child has achieved all the Learning Goals while enjoying their time in the classroom and engagement with the theme. If you have any comments or queries about the learning, please get in touch.

Thanks,

Miss Snee