



Dear Parents,

Over the Autumn Term those of us in Year 5 will be following a unit of work on a theme that focuses on 'Forces'.

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

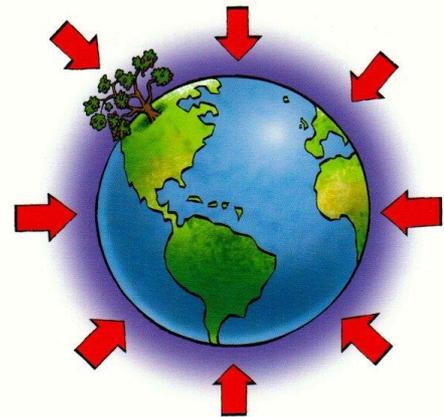
1. The subjects of the curriculum. The learning goals for each of these subjects are at least as challenging as anything taught in the curriculum in your child's own country. In many cases, the learning goals are more challenging.
2. Personal development – the characteristics which will help children become more responsible, independent learners.
3. International understanding – which will help children develop both a sense of the independence of their own country and culture and the interdependence between countries and cultures.

Each unit of work is based around specific targets derived from the learning goals for one or more of the subjects.

During this unit we will be focusing on Science, Technology and International.

In **Science**, we'll be finding out:

- 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



In **Technology**, we'll be finding out:

- How to make a sailing boat or flying paper plane

In **International**, we'll be finding out:

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



Willow Tree Primary School

All of the work we are going to do has been specially written to help your child reach the learning goals. Children will be reading, researching, writing, illustrating, working on their own and working in groups. We will be checking to see how well your child has learned through particular activities and asking children to explain their work, perhaps to you.

We already know the interest you take in your child's work. If you can, please discuss with your child the work they have done as the term progresses and let them teach you.

Find information from reference books and the internet about natural forces such as gravity and friction. Find out also about the streamlined design of an aircraft's wings and a boat's hull. Check out which objects will float in water and which will sink. Try to find out why.

If your child has some work to research, please help them, but without actually doing the work. If you have the chance to further their interest in the ideas of this theme please take it, but your enthusiasm and interest is most important.

By the end of the unit, we hope your child has achieved all of the learning targets. We hope they have had an enjoyable time in the classroom. And we hope you have enjoyed seeing your child work with enthusiasm. If you have any comments or questions about your child's learning, please get in touch.

