



Dear Families, The best learning takes place when the context is meaningful and made real to the child's own life. We hope that by sharing our aims, you and your family will support your child's learning in any way you can. If you have any skill, resources or knowledge that you can contribute and share with us at school, please see your child's class teacher.

Maths

We will be learning how to count on and backwards. We will begin to recognise that numbers are made up of two or more smaller numbers and learn how to 'see' a whole number and understand its parts. We will explore the properties of circles and triangles and further develop our knowledge of shape patterns.

Literacy

We will be learning how to read and spell following the 'Sounds Write' phonics scheme of learning. We will be practising writing our name and simple consonant, vowel, consonant (CVC) words.

We will be reading 'The Robot and the Bluebird', 'No Bot the Robot with No Bottom', and 'You Can't Take an Elephant on a Bus' alongside machine poems.

Understanding the World

We will be exploring magnets and the invisible force of push and pull. We will be learning about different types of machine and their uses in our environment and how they help us. We will look at different types of vehicles and modes of transport.

Marvellous Machines



Physical Development

We will continue to develop ways of moving and direction of travel; to make decisions; move confidently at different speeds and heights; move with control including moving with control using objects. We will further develop our gross motor skills with visits to the climbing frame and trim trail.

Expressive Arts and Design

We will look at the work of Jackson Pollock and create our own Jackson Pollock inspired pictures. We will design and make our own robots using recycled materials. We will create our own art using parts found in machinery such as nuts, bolts etc We will listen to machine inspired music and songs about machines e.g. Hickory Dickory Dock

Communication and Language

We will be discussing the different emergency services and how they help us. We will develop our social phrases and discuss how to respond to different scenarios. We will continue to develop our talking and thinking skills to explain how things work and why things happen. We will talk about how different machines do different jobs e.g. How does a toaster work?

Personal Social and Emotional Development

We will be learning how to use technology safely and respectfully with support from adults. We will talk about online safety and how to stay safe online. We will read Winnie's New Computer to support our understanding of online safety.

Outside Area

We will explore our digging around and explore machines that move material around, like diggers. We will continue to tend to our soil and plants ready for spring.

Marvellous Machines

In the Marvellous Machines project, your child will learn about technology that is part of their daily lives. They will explore various machines, learn about how machines help us and find out about how machines have changed and developed over time. They will learn about products that use electricity to make them work and explore magnetic and non-magnetic materials.

Supporting your child at home

- Talk about the machines and technology you use in your everyday lives.
 - Look for things in the home that are powered by electricity.
 - Look for items that are powered by batteries.
 - Share and discuss the [Did you know?](#) facts.

Help your child prepare for their project

Did you know?

- A machine is a man-made device.
 - Machines need electric power to make them move or work.
- Batteries power some devices, such as torches and toys. A battery is a store of electric power.
- Vehicles, such as aeroplanes, cars, buses, lorries, boats, helicopters and diggers, are machines that transport people or goods.
- A mechanic is a skilled worker who repairs and maintains vehicle engines and other machinery.
- A robot is a machine that does a task. They only do the tasks for which they have been built.