

**Spring Term Year:** Year 2 ES

**Unit of Learning:** How do things move?

**Overview:** This unit will focus on the Science & Technology AoLE. Our learning will revolve around the question “How do things move?”, encouraging pupils to investigate the connection between forces, design, and energy. Through practical experiments and design-based tasks, pupils will build their understanding of how movement is influenced by pushes, pulls, gravity, friction, and air resistance. They will use design thinking to plan and test their own vehicles, exploring how shape and materials affect performance. Pupils will also examine how energy—from natural sources and fuels—can power movement, including an introduction to renewable energy. This unit will help pupils develop curiosity, creativity, and problem-solving skills while strengthening their grasp of cause and effect in the world around them.

**Languages, Literacy & Communication**

Reading: We will be exploring a range of information texts examining how things work.

Oracy: Describing design ideas. Working collaboratively to discuss ideas. Using talk for planning with inventions.

Making verbal observations using scientific vocabulary.

Writing: Writing explanation texts. Writing up scientific investigations using subject specific vocabulary.

**Mathematics & Numeracy**

Measure: We will explore measurement through hands-on investigations linked to vehicle design, such as timing races, measuring distances, and comparing mass and capacity of different materials.

Money: We will continue working with money, adding notes and coins, and learning to find change.

Fractions: We will continue our work on fractions learning to add and subtract them and finding fractions of amounts.

Time: We will be learning to read a clock at half past, o'clock, quarter past and quarter to.

**Ways to help at home**

Encourage model making, LEGO play, etc. to enable your child to engage with designing and making.

Encourage daily reading for pleasure.

**Important Dates**

w/c 19th May - Assessment Week

12th June - Marvellous Men

Sports Day – 25<sup>th</sup> June (am)

*Nature-based Learning every Thursday - please remember to send your child in with a change of footwear (wellies or old trainers) as well as hats and sun-cream.*