

## Year 5 Blog - Week commencing 26<sup>th</sup> February 2024

### Dynamic designers in Year 5

#### Design and Technology

This week year 5 were given a fresh problem to solve in design and technology. By the end of the term they need to design and build a mechanical toy that uses cams as its main function.

Pupils learned what a cam was and how they are used in machines we use very regularly in everyday life. Pupils started the design process by considering how they could use cams in a simple mechanism.

#### Computing

Pupils started a new subtopic in computing. We discussed what data is and how data can be used. We then applied our knowledge by creating our own data bases and sorted the information in a variety of ways. As a class we considered how data can be grouped to show correlations and trends and why this could be useful in real life scenarios.

#### Writing

Pupils this week wrote a balanced argument considering the idea the humans should no longer be sent into space, rather they should be replaced by robots. As a class and in small groups pupils considered the positives and negatives of sending humans and robots in space. We discussed our ideas and pupils used a range of skills in their writing to accurately present their thoughts and ideas in an even manner.

#### Maths

Pupils continued to learn about decimal numbers up to the thousandths. They practiced converting decimal numbers to fractions and fractions to decimal numbers. Pupils also compared numbers up to 3 decimal places and used their newfound skills in variety of reasoning and problem solving.

#### Science

This week we considered the effect gravity has on mass and weight. We discussed the idea that gravity cannot impact mass, rather it affects weight. Pupils used newton meters to calculate the mass and weight of various classroom objects. We then considered how weight would change on various planets on our solar system and why this would happen.

