

Our Big Question...How do we compare?

Maths is a versatile subject, with different flavours that appeal to different people with different tastes. It equips students with skills that employers value. It's full of fascinating ideas and powerful applications, and the process of understanding a new mathematical concept or solving a problem using maths is enormously satisfying. Whatever your priorities - whether you're looking to help other people, to earn a good wage, to explore a creative subject or to make a difference in society - maths has something to offer you. The study of maths is rewarding and helps to develop creative, informed, capable learners.

Exciting Experiences...

As we learn about the importance of how to measure and compare data we will collect our own data, from measuring leaves to our heights and making traffic surveys.

WHAT PRIOR KNOWLEDGE IS GOING TO HELP ME WITH THIS PROJECT?

It would help if you have experience of adding, subtracting, dividing and multiplying whole numbers. Also if you know how to draw graphs and how to use and read scales.

In this project you will learn...

- How to use the four arithmetic operations confidently, efficiently and accurately with integers.
- How to estimate distances and weights
- Knowledge of imperial and metric units and the history of units
- How to convert between units, metric and imperial

- How to collect different types of data to answer a variety of questions that have been posed, demonstrating an understanding of the importance of collecting relevant data.
- How to represent information by creating a variety of appropriate charts.

- How to choose the most appropriate method to measure, length, mass and capacity, using standard metric units.
- How to convert between standard units.

- How to find and use the mean of a simple set of data and understand that different averages can be used to compare data.

How will I be assessed?

Your Tasks...

1	You will sit a basic skills check within the first few weeks.
2	You will complete an assessment on the topics you have covered during the term,
3	You will carry out your own survey to collect data about any aspect of our school.

The Showcase

You will showcase your learning at many points in the project through the tasks and assessments that we complete

