

Maths and beyond – Sessions Overview

Through a series of enrichment focused workshops, this course is designed to give an appreciation of how maths contributes to everyday applications and for pupils to gain an insight into a range of related careers.

Breakdown of sessions for the maths workshops:

Session 1: Multiplication and division

Learning opportunities include:

- Measurements
- Properties of shapes
- Statistics

Session 2: Addition and Subtraction

Learning opportunities include:

- Probability
- Gradients
- Geometrical reasoning
- Properties of circles

Session 3: 3D Shapes

Learning opportunities include:

- 2D shapes
- Direct proportion
- Sequences
- Functions

Session 4: Equations, formulae and identities

Learning opportunities include:

- Use of symbols
- Index notation
- Linear equation
- Formulae

Session 5: Understanding properties of position and movement

Learning opportunities include:

- Understanding measures
- Using and applying number
- Decimals
- Powers and roots

Session 6: Ratio and proportions

Learning opportunities include:

- Problem solving
- Counting
- Processing, representing and interpreting data