



# Buckswood School

## Mathematics Department

**2022-2023**

### Exam Achievements:

**98% GCSE Pass Rate:** Demonstrating our commitment to academic excellence. 100% of our GCSE Further maths students achieved A\*-B and 53% of our I-GCSE students surpassed their ALIS and CAT predictions; with an average 0.93 value-added grade for each student, reflecting our effective teaching methodologies.

**43% of A Level Students Achieving B to A\*:** A testament to our high academic standards and student dedication.

**78% IB Diploma Pass Rate:** Showcasing our success in delivering a challenging and comprehensive curriculum.

At Buckswood School's Mathematics Department, we are dedicated to nurturing a passion for mathematics among our students. Our curriculum, delivered by a team of experienced educators, all of whom have backgrounds in science, maths and engineering is tailored to inspire curiosity, and foster a deep understanding of mathematical concepts. Our approach is not just about solving problems; it's about encouraging students to see the beauty and applicability of maths in the real world. Join Us at Buckswood School's Maths Department for an Educational Journey Where Numbers Unlock Infinite Possibilities.

## Mathematics Courses

### Edexcel International GCSE Maths:

A comprehensive course that lays a solid foundation in mathematical principles, preparing students for advanced studies.

### Edexcel A Level Maths:

An in-depth programme focused on developing analytical and problem-solving skills essential for higher education and beyond.

### IB Diploma:

Offering both Standard Level and Higher Level, these courses are designed to challenge and extend students' understanding of maths, in line with the globally recognised IB curriculum.

### Further Maths GCSE and A Level:

These courses offer an opportunity for students to delve deeper into complex mathematical theories and applications, ideal for those with a strong interest in mathematics.

## UK Maths Challenge

We are proud of our students' performances in the UK Maths Challenge at Junior, Intermediate, and Senior Levels. With hundreds receiving bronze, silver, and gold certificates and several advancing to the elite Kangaroo level competitions, our department celebrates the hard-earned accomplishments of our aspiring mathematicians.

## Educational Trips and Projects

**Sixth Formers to Bletchley Park (Enigma Trip):** An immersive experience into the world of cryptography and its historical significance.

**GCSE Students to Herstmonceux Observatory and the Science Centre:** A journey that connects mathematical concepts with their practical applications in science and technology.

**Juniors to Drusilla's Zoo (Maths Trail):** A fun and interactive way to learn maths through real-life observations and activities.

**Summer Term Kite Project for Juniors:** A hands-on project combining creativity, design, and mathematical shapes and calculations to create and fly kites.

## University Placements

Our students have secured placements in prestigious programmes such as:

Physics at the **University of Manchester**

Economics at **Royal Holloway**

Architecture at the **University of Brighton**

Computer Science at **Aberystwyth University**

These achievements underscore our commitment to preparing students for success in a wide range of fields.