



**HUMPHREY PERKINS  
SCHOOL**

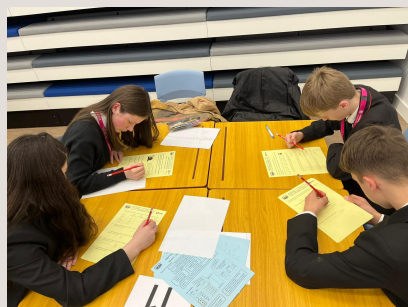
Lionheart Educational Trust

## Maths Department Termly Newsletter

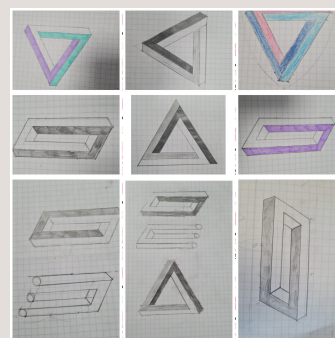
### Message from the Head of Department

We would like to wish all of our Year 11 students the very best of luck for their upcoming GCSE exams.

Our Year 10 students attended the AMSP Maths Feast 2023 and showcased their amazing talent by coming 2nd.



Construction of some 'impossible' objects such as Penrose triangles, twisted rectangles and Blivets by our Year 9 students.



### Topics for this half term

#### Year 7

Geometrical reasoning which will include: Draw, measure, classify angles, find unknown angles, properties of triangles and quadrilaterals, symmetry and tessellation.

Fractions which will include: Fractional thinking, equivalence of fractions, multiplication of fractions, division of fractions, fractions of amounts.

#### Year 8

3-D Geometry which will include : Rounding, significant figures, estimation, calculator skills, circumference of a circle, area of circle, identify 3D shapes and their nets, volume of 3D shapes.

Organising and representing data will include : Construct and interpret statistical diagrams, collect and organise data, critique and compare statistical averages and the range.

#### Year 9

Linear Equations and inequalities which will include: Construct and solve linear equations, solve inequalities, graphical solutions to simultaneous linear equations.

Geometry of Triangles will include: Pythagoras' Theorem, trigonometry and the unit circle.

#### Year 10

Geometry which will include: Bearings, trigonometry, Pythagoras, similarity, congruency and transformations.  
Sampling and probability which will include: Listing, experimental probability, combined events and conditional probability.

#### Year 11

Revision and practice of past exam papers.  
Maths exam dates:

Paper 1 : Friday 19th May 2023

Paper 2 : Wednesday 7th June 2023

Paper 3 : Wednesday 14th June 2023

Homework club: Every Wednesday in Room M7.  
Maths Past Paper Society: Every Friday in Room M2.

### Useful websites

[www.drfrostmaths.com](http://www.drfrostmaths.com)  
[www.corbettmaths.com](http://www.corbettmaths.com)

[www.mathsgenie.co.uk](http://www.mathsgenie.co.uk)  
[www.revisely.co.uk/gcse/maths/aqa](http://www.revisely.co.uk/gcse/maths/aqa)