

# Maths KS4 Learning Journey



## Top 3 tips for parents and carers during KS4

- ✓ Ensure your child has the correct mathematical, including a Casio Classwiz scientific calculator.
- ✓ Support your child in completing their weekly tasks on Hegarty Maths.
- ✓ Encourage your child to learn their times tables using 'Times Table Rockstars' and engage in solving problems and puzzles.



## What's your Plan A?

FE: Study A Levels or BTECs, Apprenticeship  
HE: University, Apprenticeship  
Career: Accountant, Actuary, Engineer, Statistician



## Online learning during KS4

[Hegarty Maths](#)  
[PIXL Maths App](#)  
[Corbett Maths](#)  
[Just Maths](#)  
[N Rich Maths](#)



## PPE preparation for KS4

Use checklists to revise topics using Hegarty, Corbett and PIXL Maths App, make flash cards of key formulae, complete past papers, engage in weekly LSQ.



## Study skills for KS4

Revise for the weekly low stakes quiz, complete weekly hegarty maths tasks, complete topic homeworks, use suggested websites to consolidate topics, familiarise yourself with the GCSE Edexcel specification.

## Knowledge, skills and understanding

Quadratic Skills  
Equations and inequalities

Year 10

Year 10

Number  
Indices, Surds (H)

Graphs  
Quadratic, reciprocal

Year 10

Year 10

Equations  
Simultaneous

Surface Area  
and Volume

Year 10

Year 10

Straight Line Graphs  
Drawing, Equations  
of lines

Number  
Estimation and  
bounds

Year 10

Proportion  
Direct and inverse

Year 10

Shape and Space  
Enlargement,  
Similarity

Year 10

Year 10

Handling Data  
Charts,  
Probability

Year 11

Trigonometry  
Sine and Cosine Rules (H)

Iteration (H)  
Rearranging, substitution

Year 11

Year 11

Functions  
Basic functions, Inverse (H),  
Composite (H)

Year 11

Kinematics  
Distance/speed-time graphs

Shape and space  
Circle theorems (H), vectors

Year 11

Year 11

Revision  
Algebra, number, geometry