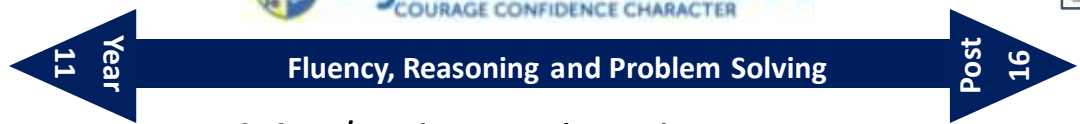


- Character strengths
- Cross Curricular Links
- Statistics
- Geometry
- Number
- Algebra
- Ratio and Proportion
- Probability



Maths Learning Journey

Exams & Post 16 Study

TERM 6

Revision and exams

- Revision techniques
- Exam papers



Mathematics for A-Level

Revision

- Exam papers

Integrity and Resilience

Revision

TERM 5

Question
How does what you're learning link to prior and future learning?



Question
Why is being able to reason a useful skill for everyday life?

- Reasoning
- Communicating
- Explaining

Algebraic reasoning

Integrity and Resilience

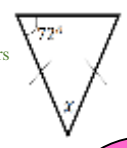
TERM 4

Multiplicative reasoning

- Scale factors
- Direct proportion
- Inverse proportion
- Pressure
- Density
- Ratio problems

Question
What areas of science involve density and pressure?

- Angles in lines and shapes
- Interior and exterior angles
- Solve problems with vectors
- Pythagoras's theorem
- Trigonometry

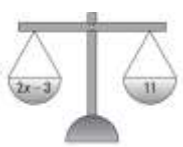


- Simplify expressions
- Find the nth term
- Solve simultaneous equations

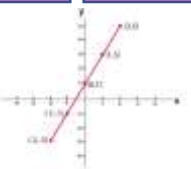
PPE's

Integrity and Resilience

Algebra



- Expand brackets
- Factorise
- Solve equations equal to 0
- Solve equations by factorising



Graphs

- Plot linear graphs
- Understand $y=mx+c$
- Find the equation of a line
- Determine if a point lies on a line

Manipulating expressions

Integrity and Resilience

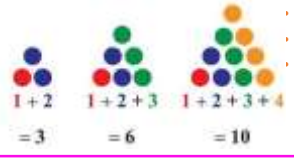
TERM 2

Types of number and sequences

- Arithmetic sequences
- Geometric sequences
- Non linear sequences
- Nth term

Indices and roots

- Powers and roots
- Standard form
- Rules of indices



- Simplify expressions
- Use identities
- Form and solve equations
- Algebraic proof

PPE's

Types of number

- Factors and multiples
- Prime factors
- HCF and LCM

Integrity and Resilience

Non calculator methods

- Calculating with decimals
- Exact values
- Estimation
- Bounds
- Working with money



Collecting, representing and interpreting data

- Sampling
- Frequency polygons
- Pie charts
- Averages
- Scatter graphs

Question
Where else is data used?

CROSS-CURRICULAR LINKS



TRIPS



Welcome CURRICULUM OVERVIEW