



Curriculum Journey 2025-2025

Subject: Mathematics

| Year 9 | Half Term 1 | Half term 2 | Half Term 3 | Half Term 4 | Half term 5 | Half Term 6 |
|------------|---|--|---|--|---|--|
| Topic | Properties of number Percentages Area and Volume | Equations, inequalities and formulae Fractions Rates Standard Form | Maths and money Straight line graphs Ratio and proportion | Constructions and congruence Similarity Algebraic manipulation | Pythagoras' theorem Non-linear graphs Probability | Transformations Simultaneous Equations Trigonometry |
| Vocabulary | 1. Factor 2. Multiple 3. Prime 4. Composite 5. Square number 6. Cube number 7. Percentage 8. Multiplier 9. Equivalent 10. Increase | 1. Area 2. Volume 3. Capacity 4. Prism 5. Rearrange 6. Variable 7. Solution 8. Inequality 9. Formula 10. Substitute | 1. Fraction 2. Decimal 3. Denominator 4. Reciprocal 5. Rate 6. Speed 7. Standard form 8. Significant figures 9. Interest 10. Budget | 1. Gradient 2. Y-intercept 3. Coordinate 4. Plot 5. Linear 6. Ratio 7. Proportion 8. Scale 9. Equivalent 10. Direct proportion | 1. Construct 2. Compass 3. Bisect 4. Congruent 5. Similar 6. Scale factor 7. Expand 8. Factorise 9. Expression 10. Term | 1. Hypotenuse 2. Right angle 3. Non-linear 4. Quadratic 5. Probability 6. Outcome 7. Image 8. Rotation 9. Sine 10. Cosine |
| Assessment | A and B Milestones | A and B Milestones | A and B Milestones Summative Assessment Point 1 | A and B Milestones | A and B Milestones | A and B Milestones Summative Assessment Point 2 |



| | | | | | | |
|---|--|---|---|--|---|---|
| <p>Links to prior learning</p> | <ul style="list-style-type: none"> • Times tables recall • Factors and multiples • Simplifying fractions • Understanding percentages of amounts in Year 8 • Recognising square and cube numbers | <ul style="list-style-type: none"> • Finding area and perimeter of basic shapes • Using simple equations and substitution in Year 8 • Solving one-step inequalities • Working with algebraic notation • Applying multiplication/division | <ul style="list-style-type: none"> • Using fractions of amounts • Multiplying/dividing fractions in Year 8 • Understanding place value • Working with money in real-life contexts • Simple conversion between decimals and percentages | <ul style="list-style-type: none"> • Coordinates and graphs in Year 8 • Recognising patterns in number sequences • Using ratio in problem solving • Applying multiplication and division • Interpreting graphical information | <ul style="list-style-type: none"> • Drawing and measuring angles • Recognising symmetry and transformations • Expanding and simplifying expressions in Year 8 • Understanding ratio and proportion • Basic geometric properties | <ul style="list-style-type: none"> • Understanding square numbers • Working with coordinates • Recognising right-angled triangles • Using symmetry and transformations • Interpreting graphs |
| <p>Catholic Social Teaching</p> | <p>Promotes honesty and fairness in calculations, respecting truth in representing numbers and their relationships.</p> | <p>Supports stewardship of resources through careful calculation and fair measurements.</p> | <p>Promotes stewardship, encouraging wise money management and fair sharing.</p> | <p>Encourages truth and clarity in communication of information, including representing relationships visually.</p> | <p>Reflects precision and integrity, highlighting fairness and respect for detail in creation</p> | <p>Promotes order and pattern in creation, showing the wonder and consistency of God's world.</p> |
| <p>Careers and Personal Development links</p> | <p>Useful for careers in retail, finance, and trades involving measurements and pricing.</p> | <p>Relevant to construction, engineering, and design pathways.</p> | <p>Links to financial literacy, banking, and everyday budgeting skills</p> | <p>Useful for careers in data science, surveying, and design engineering.</p> | <p>Relevant to architecture, technical drawing, engineering, and graphic design.</p> | <p>Links to careers in engineering, data analysis, architecture, and science.</p> |