

Maths – Year 8



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 8	<p>Topic: Fractions and percentages Knowledge and skills covered.</p> <p>Knowledge and skills covered: Unit 13 – prime factors Unit 14 – conceptualising and comparing fractions Unit 15 – all operations on fractions Unit 17 – percentages</p>	<p>Topic: Equations and inequalities</p> <p>BLQ: How do you solve an equation? Knowledge and skills covered?</p> <p>Knowledge and skills covered: Year 8 Unit 1 – sequences Year 8 Unit 2 – forming and solving algebraic equations Year 8 Unit 3 – forming and solving inequalities</p>	<p>Topic: Graphs Knowledge and skills covered</p> <p>BLQ: How does an architect use maths?</p> <p>Knowledge and skills covered: Unit 12 – transforming 2D figures Year 8 Unit 4 – linear graphs</p>	<p>Topic: Ratio and proportion</p> <p>BLQ: What has maths got to do with my life?</p> <p>Knowledge and skills covered: Year 7 Unit 16 - ratio Year 8 Unit 5 – ratio Year 8 Unit 6 - real life graphs and rate (scales, interpret real life graphs, SDT) Year 8 Unit 7 – direct and inverse proportion</p>	<p>Topic: Statistics</p> <p>BLQ: How does a journalist use maths?</p> <p>Knowledge and skills covered: Year 8 Unit 8 – univariate data (construct and interpret charts and graphs, mean, mode, median, range) Year 8 Unit 9 – bivariate data (scatter graphs) Year 8 Unit 10 – accuracy and estimation (rounding, bounds, estimation)</p>	<p>Topic: Area, volume and surface area</p> <p>BLQ: Area, volume and surface area?</p> <p>Knowledge and skills covered: Year 8 Unit 12 – circles and composite shapes (area, circumference, area and perimeter of composite shapes) Year 8 Unit 13 – volume of prisms (cubes, prisms and composite solids) Year 8 Unit 14 – surface area of prisms (cubes, prisms and composite solids, nets)</p>
	<p>Summative assessment: Autumn 1 Post Assessment (60 marks) H/L</p> <p>QT: A01, A02 and A03 100% Autumn 1 10 marks: multiple choice knowledge questions 50 marks: application question</p>	<p>Summative assessment: Autumn 2 Post Assessment (60 marks) H/L</p> <p>QT: A01, A02 and A03 30% Autumn 1 70% Autumn 2 10 marks: multiple choice knowledge questions (3 Autumn 1, 7 Autumn 2) 50 marks: application questions (15 Autumn 1, 35 Autumn 2)</p>	<p>Summative assessment: Spring 1 Post Assessment (60 marks) H/L</p> <p>QT: A01, A02 and A03 30% Autumn 1,2 70% Spring 1 10 marks: multiple choice knowledge questions (3 Autumn, 7 Spring 1) 50 marks: application questions (15 Autumn, 35 Spring 1)</p>	<p>Summative assessment: Spring 2 Post Assessment (60 marks) H/L</p> <p>QT: A01, A02 and A03 30% Autumn 1,2, Spring 1 - 70% Spring 2 10 marks: multiple choice knowledge questions (3 Autumn, Spring 1, 7 Spring 2) 50 marks: application questions (15 Autumn, Spring 1, 35 Spring 2)</p>	<p>Summative assessment: Summer 1 Post Assessment (60 marks) H/L</p> <p>QT: A01, A02 and A03 30% Autumn 1,2, Spring 1,2 - 70% Summer 1 10 marks: multiple choice knowledge questions (3 Autumn, Spring, 7 Summer 1) 50 marks: application questions (15 Autumn, Spring, 35 Summer 1)</p>	<p>Summative assessment: EOY Assessment (120 marks) H/L</p> <p>QT: A01, A02 and A03 AQA YEAR7 assessment: non-calculator AND calculator papers (1 hour each) H/L EXTENSION for high attainment</p>