

Year 11 F	Unit 13	Unit 14	Unit 15	Unit 16	Unit 17	Unit 18	Unit 19	Unit 20
Topic/Theme/ Focus	<p>In this unit students will learn to present and represent data.</p> <p>The topic covers misrepresenting data, time series graphs, pie charts and scatter graphs. Students will both draw and interpret the graphs.</p>	<p>In this unit students will learn about inequalities and sequences.</p> <p>They will cover fundamental knowledge such as: Understanding what an inequality is including the symbols. Solve linear inequalities. Rearrange formulae. Generate sequences by spotting a pattern or by using a rule. Find the nth term of a linear sequence.</p>	<p>In this unit students will be introduced to similarity and congruence in shapes.</p> <p>They will learn skills such as understanding that when two shapes are congruent, they are identical. That two similar polygons must have the same angles</p>	<p>In this unit students will be introduced to quadratic equations and graphs.</p> <p>They will learn information such as: Recognising a quadratic expression. Factorising a quadratic expression. Drawing the graph of a simple quadratic</p>	<p>In this unit students will further develop their understanding of area, perimeter and volume.</p> <p>They will learn fundamental skills such as: Understanding the meaning of circumference. Recall and use the formula for area of a circle.</p>	<p>In this unit students will learn and construction and loci.</p> <p>They will learn to use scales of maps and will draw and use scale drawings. Students will construct using a pair of compasses. They will construct circles, bisectors and perpendicular lines.</p>	<p>In this unit students will learn how to solve equations simultaneously and will look at graphs of cubic and reciprocal functions.</p> <p>They will learn skills such as: Setting up and solving simple simultaneous equations. Recognise the sketch of a cubic graph.</p>	<p>In this unit students will further develop their knowledge of triangles and angles.</p> <p>They will learn skills such as: Finding sides and angles in right angled triangles using trigonometry. State the exact trigonometry values for certain angles.</p>
Corbett Maths Videos	163-168, 382	176, 177, 178, 286-288, 290	66, 67, 291, 292	264, 266	40, 46, 47, 59, 60, 357, 359, 360, 361	68-78, 283	295, 296, 344, 346	329, 330, 331, 341

Key vocabulary	Time series, pie charts, scatter graphs, misrepresentation.	Inequality, Generate, linear, common difference, term	Congruent, similar	Quadratic, factorise, expand, parabola.	Circumference, Radius, Area	Scale, bisector, perpendicular, construct	Simultaneous, elimination, substitution	Trigonometry, Hypotenuse, opposite, adjacent, Sine, Cosine and Tangent.
-----------------------	---	---	--------------------	---	-----------------------------	---	---	---