



Year 11 – Summer term learning program

Depending on your predicted grade some lessons in this learning plan may be unsuitable.

Students should use the GCSE grade 1 – 9 filters at the top of each subject webpage, to choose the lessons appropriate to their predicted grade.

Grade filter **Off** 1 2 3 4 5 6 7 8 9 KS2 KS3

Lesson Number	Subject - Geometry and measures	Complete	Score
	Topic - Non-right Angled Trigonometry (Higher Only)		
141	Sine rule finding a length		
142	Choosing which rule to use and labelling the triangle		
143	Cosine rule finding a length		
144	Cosine rule finding an angle		
145	Area of a non-right angled triangle		
146	Sine Rule Finding an Angle Part 1		
147	Sine Rule Finding an Angle Part 2		
	Topic - 3D Pythagoras (Higher Only)		
148	3D Pythagoras in a cuboid		
149	3D Pythagoras in a pyramid		
	Topic - 3D Right-angled Trigonometry (Higher Only)		
150	3D Trigonometry in a cuboid		
151	3D Trigonometry in a Pyramid		
	Topic - Bearings		
152	Rules of bearings		
153	Introduction to bearings Part 1		
154	Introduction to bearings Part 2		
155	Simple bearings questions 1		
156	Simple bearings question 2		
157	Sketching simple Bearings questions		
158	Bearings questions involving Trigonometry part 1		
159	Bearings questions involving trigonometry part 2		
160	Bearings questions involving Trigonometry part 3		
	Topic - Vectors		
191	Introduction to vectors		
192	Writing and drawing column vectors		
193	Subtracting vectors		
194	Adding vectors		
195	Reversing the direction of vectors		
196	Multiplying vectors		
197	Vector problems		
198	Vector problems with midpoints		
199	Vector problems with ratios		
200	Proving vectors are parallel		

	Subject - Algebra		
	Topic - Transformations of Graphs (Higher Only)		
174	Transforming Graphs Up or Down		
175	Transforming Graphs Up and Down using $f(x)$ notation		
176	Transforming Graphs Up or Down - Exam Question		
177	Transforming Graphs Up and Down using $f(x)$ notation - Exam Question		
178	Transforming Graphs Left or Right		
179	Transforming Graphs Left or Right using $f(x)$ notation		
180	Transforming Graphs Left - Exam Question		
181	Transforming Graphs Sideways using $f(x)$ notation - Exam Question		
182	Stretching Graphs in the x direction		
183	Stretching Graphs in x direction using $f(x)$ notation		
184	Stretching Graphs in x direction - Exam Question		
185	Stretching Graphs in the y direction		
186	Stretching Graphs in y direction using $f(x)$ notation		
187	Stretching Graphs in y direction - Exam Question		
188	Reflecting Graphs in the x axis		
189	Reflecting graphs in the x axis using $f(x)$ notation		
190	Reflecting graphs in the y axis		
191	Reflecting graphs in the y axis using $f(x)$ notation		
192	Transforming Graphs using $f(x)$ notation - Exam Question		
	Topic - Transformations of Trigonometric Graphs (Higher Only)		
193	Transforming Trigonometric Graphs Up and Down		
194	Transforming Trigonometric Graphs Up and Down using $f(x)$ notation		
195	Transforming Trigonometric Graphs Sideways		
196	Transforming Trigonometric Graphs Sideways using $f(x)$ notation		
197	Stretching Trigonometric Graphs in the x direction		
198	Stretching Trigonometric Graphs in the x direction using $f(x)$ notation		
199	Stretching Trigonometric Graphs in the y direction		
200	Stretching Trigonometric Graphs in the y direction using $f(x)$ notation		
201	Reflecting Trigonometric Graphs in the x axis		
202	Reflecting Trigonometric Graphs in the x axis using $f(x)$ notation		
203	Transforming Trigonometric Graphs - Exam Tip		
204	Transforming Trigonometric Graphs - Exam Question 1		
205	Transforming Trigonometric Graphs - Exam Question 2		
Revise all topics from year 10 and 11			