What concepts will we be covering this half	term?	
Unit 13: More Trigonometry		What resources can you use to support your learning?   Resources
13.2 Graph of the sine function	Understand how to find the sine of any angle.	Corbett Maths 338, 339, 340 Trigonometric Graphs
	Know the graph of the sine function and use it to solve equations.	
13.3 Graph of the cosine function	Understand how to find the cosine of any angle.	
	Know the graph of the cosine function and use it to solve equations.	
13.4 The tangent function	Understand how to find the tangent of any angle.	
	Know the graph of the tangent function and use it to solve equations.	
13.5 Calculating areas and the sine rule	Find the area of a triangle and a segment of a circle.	
		Corbett Maths 337 Trigonometry Area of Triangles
	Use the sine rule to solve 2D problems.	Corbett Maths 333, 334 Sine Rule
		Oak Academy Advanced Trig 1
13.6 The cosine rule and 2D trigonometric	Use the cosine rule to solve 2D problems.	
problems		Corbett Maths 335, 336 Cosine Rule
	Solve bearings problems using trigonometry.	Oak Academy Trigonometry 3
13.7 Solving problems in 3D	Use Pythagoras' theorem in 3D.	- Corbett Maths 259 3D Pythagoras
	Use trigonometry in 3D.	Corbett Maths 332 3D Trigonometry
13.8 Transforming trigonometric graphs 1	Recognise how changes in a function affect trigonometric graphs.	Corbett Maths 323, 324 Transforming Trig Graphs
13.9 Transforming trigonometric graphs 2	Recognise how changes in a function affect trigonometric graphs.	

Unit 15: Equations and Graphs		Resources
15.1 Solving simultaneous equations	Solve simultaneous equations graphically.	
graphically		Corbett Maths Simultaneous Equations (Graphs)
15.2 Representing inequalities graphically	Represent inequalities on graphs.	
		Corbett Maths 180 Inequalities 1
	Interpret graphs of inequalities.	Corbett Maths 181, 182 Graphical Inequalities 2
15.3 Graphs of quadratic functions	Recognise and draw quadratic functions.	Corbett Maths 264 Drawing Quadratics
		Corbett Maths 267c Solving Quadratics Graphically
15.4 Solving quadratic equations graphically	Find approximate colutions to guadratic equations graphically	
15.4 Solving quadratic equations graphically	Find approximate solutions to quadratic equations graphically.	
	Solve quadratic equations using an iterative process.	Corbett Maths 373 Iteration
15.5 Graphs of cubic functions	Find the roots of cubic equations.	
	Sketch graphs of cubic functions.	Oak Academy Cubic and Reciprocal Graphs
	Solve cubic equations using an iterative process.	Oak Academy Iteration

## Tasks to complete so we can assess your understanding/ Key Performance Indicator tasks

Complete MathsWatch homework assignments set by your maths teacher. <u>https://vle.mathswatch.co.uk/vle/</u>

## What can you do if you need help/ support?

Email your maths teacher, or one of the maths department lead teachers:

Mrs J Cooke (Head of Department): <u>JCooke@netherthorpe.derbyshire.sch.uk</u>

Mr M Vestey: <u>m.vestey@netherthorpe.derbyshire.sch.uk</u>

Mr M Cook: <u>m.cook@netherthorpe.derbyshire.sch.uk</u>