

Year 8 Core Maths		
What concepts will we be covering this half term?		What resources can you use to support your learning?
Unit 5: Real-life Graphs		Resources
5.1 Conversion graphs	Reading values from conversion graphs. Plotting conversion graphs from a table of data.	Corbett Maths 151 & 152 Conversion Graphs
5.2 Distance-time graphs	Interpreting distance-time graphs. Plotting distance-time graphs from descriptive text. Using distance-time graphs to solve problems.	Corbett Maths 171 Distance-Time Graphs
5.3 Line graphs	Plotting line graphs from tables of data. Interpreting line graphs.	Corbett Maths 160 Line Graphs
5.4 Complex line graphs	Reading values from real-life graphs. Describing trends and making predictions based on information presented graphically. Working out percentages.	
5.5 STEM: Graphs of functions	Draw, use and interpret conversion graphs. Draw, use and interpret distance-time graphs. Draw and interpret line graphs. Draw, use and interpret real-life graphs. Discuss and interpret linear and non-linear graphs.	Oak Academy Ratio, Real-life Graphs & Rates of Change
5.6 More real-life graphs	Interpreting graphs. Drawing and using real-life graphs. Using graphs to solve problems and make predictions.	

Unit 6: Decimals and Ratio		Resources
6.1 Ordering decimals and rounding	Rounding whole numbers and decimals. Writing large numbers as a decimal number of millions. Ordering positive and negative decimals. Using the symbols > and < between two negative decimals.	Corbett Maths 95 Ordering Decimals Oak Academy Ordering Decimal Fractions
6.2 Place-value calculations	Multiplying larger numbers. Multiplying decimals with up to two decimal places. Multiplying any number by 0.1 and 0.01.	Corbett Maths 204 Multiplying Decimals
6.3 Calculations with decimals	Adding and subtracting decimals of any size. Multiplying and dividing by decimals. Dividing by 0.1 and 0.01.	Corbett Maths 90 Adding Decimals Corbett Maths 91 Subtracting Decimals Corbett Maths 92 Dividing by Decimals
6.4 Ratio and proportion with decimals	Using ratios involving decimals. Solving proportion problems involving decimals.	Oak Academy Ratio
6.5 STEM: Using ratios	Solving engineering problems using ratio and proportion. Using unit ratios.	

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

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

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): JCooke@netherthorpe.derbyshire.sch.uk

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