



Arnold Hill Academy: Connect Curriculum HT3 Y9

If you have more than one teacher you will want what you are doing with each teacher and follow that topic for each one – if you are unsure, email your teacher directly.

You will need to know where you are up to with your lessons.

Topic Theme	Lesson topic	Connect Curriculum task
Linear Graphs 1	Be able to draw graphs and find their equations.	https://classroom.thenational.academy/lessons/exploring-horizontal-and-vertical-lines-70tpae
Linear Graphs 2	Be able to draw linear graphs by completing a table of values.	https://classroom.thenational.academy/lessons/draw-graphs-of-the-form-ymxc-by-using-a-table-of-values-cnk68c
Linear Graphs 3	Be able to calculate the gradient	https://classroom.thenational.academy/lessons/gradient-1-60rp4r https://classroom.thenational.academy/lessons/gradient-part-2-cru62r
Linear Graphs 4	Be able to identify the gradient and y-intercept of an equation in the form $y = mx + c$	https://classroom.thenational.academy/lessons/y-mx-c-61jk0r https://classroom.thenational.academy/lessons/equations-of-lines-6xhkad
Linear Graphs 5	Be able to draw graphs when the equation is given in a different format.	https://classroom.thenational.academy/lessons/find-the-intercept-and-gradient-from-a-line-given-in-any-form-6mrk8c





Linear Graphs 6	Be able to use linear graphs to gain information from them	
Linear Graphs 7	Be able to find solutions to linear simultaneous equations using a graph	https://classroom.thenational.academy/lessons/use-graphs-to-solve-simple-equations-including-simultaneous-equations-6rv3gd
	Mini test and boost	Contact your class teacher for the mini test to complete
Quadratic graphs 1	Be able to recognise and draw quadratic graphs.	https://classroom.thenational.academy/lessons/plotting-quadratics-part-1-6wrk2t https://classroom.thenational.academy/lessons/plotting-quadratics-part-2-70wp8c
Quadratic graphs 2	Be able to use quadratic graphs & equations to gain information	https://classroom.thenational.academy/lessons/solving-quadratic-equations-graphically-6cr6ad
Quadratic graphs 3	Be able to find solutions to simultaneous equations using a graph.	https://classroom.thenational.academy/lessons/solving-quadratic-simultaneous-equations-graphically-ccwpac
	Mini test and boost	Contact your class teacher for the mini test to complete
	Assessment 2 revision	Contact your class teacher for the revision resources for the lesson





	Assessment 2	
Real Life Graphs 1	To read and interpret a variety of graphs in different contexts.	https://classroom.thenational.academy/lessons/exchange-rates-with-graphs-6cv36d
Real Life Graphs 2	Be able to calculate speed, distance & time.	https://classroom.thenational.academy/lessons/calculating-speed-distance-and-time-6mrkje
Real Life Graphs 3	Be able to interpret travel graphs.	https://classroom.thenational.academy/lessons/distance-time-graphs-c9hpar https://classroom.thenational.academy/lessons/speed-as-rate-distance-time-graphs-6nhk2r
Real Life Graphs 4	Be able to calculate other compound measures (eg Density).	HegartyMaths 725 (density) 738 (other compound units)
Real Life Graphs 5	To be able to read, use and plot compound measure graphs	https://classroom.thenational.academy/lessons/interpret-gradient-and-intercept-on-real-life-graphs-6xgkid
	Mini test and boost	Contact your class teacher for the mini test to complete





--	--	--

