

Year 7 Maths Home learning Term 2

Sparx Maths is the platform we use for home learning. The goal is for every child, every week to do at least 1 hour of challenging but achievable mathematical practice outside of the classroom. This would enable children to raise their attainment and confidence in Maths. Sparx uses an algorithm to work out the level and type of questions to set each individual so they are just the right level to challenge but not too hard so that all questions can be completed.

SPARX Maths is set on a Wednesday and due the following Wednesday, for all students even if they don't have Maths that day. Every child can answer all of the questions in their compulsory homework by themselves. **SPARX** uses scaffolded pathways through topics which support learning unique to the individual. Every question has a support video to help answer questions they find challenging. Additional homework is available to students via XP Boost which is questions at a similar level to their compulsory home learning, target work to stretch students further and independent learning so they can look at any topic they chose and at any level of difficulty.

Homework Set	Topics	Homework Due
10 January	<ul style="list-style-type: none"> Expanding single brackets Expanding single brackets and simplifying expressions Factorising into one bracket 	17 January
17 January	<ul style="list-style-type: none"> Converting units of time Using clocks Calculating with time 	24 January
24 January	<ul style="list-style-type: none"> Using timetables Using calendars 	31 January
31 January	<ul style="list-style-type: none"> Shape properties Reading and plotting coordinates Solving shape problems involving coordinates 	07 February
07 February	<ul style="list-style-type: none"> Plotting horizontal and vertical lines Plotting straight line graphs 	21 February
14 February	Half Term	
21 February	<ul style="list-style-type: none"> Finding equations of straight line graphs Estimating and measuring length, mass and capacity 	28 February
28 February	<ul style="list-style-type: none"> Converting units of length, mass and capacity Using appropriate units 	06 March
06 March	<ul style="list-style-type: none"> Finding perimeters using grids Finding the perimeter of rectangles and simple shapes Finding the perimeter of compound shapes 	13 March
13 March	<ul style="list-style-type: none"> Finding areas using grids Finding the area of rectangles Finding the area of compound shapes 	20 March
20 March	<ul style="list-style-type: none"> Finding the area of triangles Finding the area of compound shapes containing triangles 	27 March
27 March	<ul style="list-style-type: none"> Finding the area of trapeziums Mixed area problems 	17 April
03 April	Easter Holidays	