

Year 9 Maths Home Learning Term 1 - Bronze

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.

Parents will receive weekly emails to say if their child's current homework has been completed, we ask that only your child answers the questions on Sparx otherwise with too much help the questions will get too difficult. Please encourage your child to complete their home learning in good time so they can get support from their teachers before the deadline.

Homework Set	Topics	Homework Due
06 September	First Week N/A	13 September
13 September	Three introduction steps	20 September
20 September	Straight line graphs; plotting	27 September
27 September	Equations of straight line graphs	04 October
04 October	Interpreting real life graphs	11 October
11 October	Constructing and solving equations	18 October
18 October	Brackets; expanding, simplifying and solving	01 November
25 October	Half Term	
01 November	Inequalities; reading, drawing and solving	08 November
08 November	Equations and inequalities; variable on both sides	15 November
15 November	Constructing and solving inequalities, substitution	22 November
22 November	Simplifying expressions, changing the subject.	29 November
29 November	3D shapes; properties, nets, plans and elevations	06 December
06 December	Surface area; cubes, cuboids, prisms, cylinders	13 December
13 December	Volume; cubes, cuboids, prisms, cylinders	20 December
20 December	Christmas Holidays	

Year 9 Maths Home Learning Term 1 - Silver

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06 September	First Week N/A	13 September
13 September	Three introduction steps	20 September
20 September	Straight line graphs; plotting	27 September
27 September	Equations of straight line graphs	04 October
04 October	Solving equations	11 October
11 October	Solving inequalities	18 October
18 October	Constructing and solving inequalities, substitution and changing the subject	01 November
25 October	Half Term	
01 November	Brackets; expanding single and double brackets	08 November
08 November	3D shapes; properties, nets, plans and elevations	15 November
15 November	Surface area; cubes, cuboids and prisms	22 November
22 November	Volume; cubes, cuboids and prisms	29 November
29 November	Cylinders; surface area and volume	06 December
06 December	Scale diagrams and constructions	13 December
13 December	Construction; angle bisector, perpendicular bisectors and mixed problems	20 December
20 December	Christmas Holidays	

Year 9 Maths Home Learning Term 1 - Gold

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Homework Set	Topics	Homework Due
06 September	First Week N/A	13 September
13 September	Three introduction steps	20 September
20 September	Straight line graphs; plotting and finding equations	27 September
27 September	Real life graphs, parallel and perpendicular lines	04 October
04 October	Solving equations	11 October
11 October	Solving inequalities	18 October
18 October	Constructing and solving inequalities, substitution and changing the subject	01 November
25 October	Half Term	
01 November	Writing algebraic proofs	08 November
08 November	3D shapes; properties, nets, plans and elevations	15 November
15 November	Surface area; cubes, cuboids, prisms and cylinders	22 November
22 November	Volume; cubes, cuboids, prisms and cylinders	29 November
29 November	Volume of pyramids, cones and spheres	06 December
06 December	Scale diagrams and constructions	13 December
13 December	Construction; angle bisector, perpendicular bisectors and mixed problems	20 December
20 December	Congruency	10 January