Year 9 Maths Home learning Term 2
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.

Homework Set	Topics	Homework Due
10 January	• Drawing and interpreting scale diagrams • Using a pair of compasses • Constructing triangles	17 January
17 January	• Constructing bisectors of angles • Constructing perpendicular bisectors and lines	24 January
24 January	• Understanding congruence • Congruent triangles	31 January
31 January	• Finding prime numbers • Prime factors decomposition • HCF and LCM	07 February
07 February	• Adding and subtracting integers • Multiplying integers • Dividing integers	21 February
14 February	Half Term	
21 February	• Adding and subtracting decimals • Multiplying decimals • Dividing decimals	28 February
28 February	• Converting between mixed numbers and improper fractions • Adding and subtracting fractions • Adding and subtracting mixed numbers	06 March
06 March	• Multiplying fractions • Multiplying with mixed numbers	13 March
13 March	• Dividing fractions • Dividing with mixed numbers	20 March
20 March	• Using standard form with positive indices • Using standard form with negative indices	27 March
27 March	• Multiplying and dividing numbers in standard form • Adding and subtracting numbers in standard form	17 April
03 April	Easter Holidays	

Year 9 Maths Home learning Term 2
Silver

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Homework Set	Topics	Homework Due
10 January	• Understanding congruence • Congruent triangles	17 January
17 January	• Using a calculator • Simplifying surds • Finding prime numbers	24 January
24 January	• Prime factors decomposition • HCF and LCM	31 January
31 January	• Multiplying and dividing integers • Multiplying and dividing decimals	07 February
07 February	• Adding and subtracting fractions • Multiplying and dividing fractions	21 February
14 February	Half Term	
21 February	• Adding and subtracting mixed numbers • Multiplying and dividing with mixed numbers	28 February
28 February	• Using standard form with positive indices • Using standard form with negative indices • Multiplying and dividing numbers in standard form • Adding and subtracting numbers in standard form	06 March
06 March	• Converting between fractions, decimals and percentages • Finding percentages of amounts without a calculator • Finding percentages of amounts with a calculator	13 March
13 March	• Percentage change without a calculator • Percentage change with a calculator • Finding original values in percentage calculations • Finding the percentage an amount has been changed by	20 March
20 March	• Simple interest calculations • Compound interest calculations	27 March
27 March	• Missing homework catch up	17 April
03 April	Easter Holidays	

Year 9 Maths Home learning Term 2
Gold

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Homework Set	Topics	Homework Due
10 January	• Multiplying and dividing surds • Simplifying surds • Multiplying and dividing with decimals	17 January
17 January	• Adding and subtracting mixed numbers • Multiplying and dividing with mixed numbers	24 January
24 January	• HCF and LCM • Using standard form with positive indices	31 January
31 January	• Using standard form with negative indices • Multiplying and dividing numbers in standard form • Adding and subtracting numbers in standard form	07 February
07 February	• Revision of rounding • Error intervals • Bounds for calculations	21 February
14 February	Half Term	
21 February	• Converting between fractions, decimals and percentages • Finding percentages of amounts without a calculator • Finding percentages of amounts with a calculator	28 February
28 February	• Percentage change without a calculator • Percentage change with a calculator • Finding original values in percentage calculations • Finding the percentage an amount has been changed by	06 March
06 March	• Simple interest calculations • Compound interest calculations • Growth and decay	13 March
13 March	• Angles on a line and about a point • Vertically opposite angles • Angles in triangles • Angles in quadrilaterals	20 March
20 March	• Combining angle facts • Line and shape properties	27 March

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	• Angles on parallel lines • Using quadrilateral properties to find angles	
27 March	• Symmetry • Rotation	17 April
03 April	Easter Holidays	