Year 7 Maths Home learning Term 1

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 childs 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 | Factors, highest common factor and lowest common multiple | 27 September |
| 27 September | Prime numbers, prime factor decomposition, HCF and LCM using prime factors | 04 October |
| 04 October | Number lines, place value, decimal place value and ordering negative numbers | 11 October |
| 11 October | Rounding integers, rounding decimals, adding integers | 18 October |
| 18 October | Adding decimals, subtracting integers and subtracting decimals | 01 November |
| 25 October | Half Term | |
| 01 November | Mulutplying and dividing by 10, 100 and 1000, multiplying using place value, multiplying integers. | 08 November |
| 08 November | Standard form with positive and negative integers | 15 November |
| 15 November | Divide integers, dividing with a remainder, divide to get a decimal answer | 22 November |
| 22 November | Order of operations, commutative laws, associative laws. | 29 November |
| 29 November | Multiplying and dividing decimals | 06 December |
| 06 December | Algebraic notation and terminology, simplifying expressions. | 13 December |
| 13 December | Function machines | 20 December |
| 20 December | Christmas Holidays | |