C of E College



## The Ellesmere Port Year 10 Mathematics - Foundation **Learning Programme 4** The LORIC skill focus for his LP is: INITIATIVE. Literacy: Capital letters must be used at the start The Moral Virtues focus for this LP are: INTEGRITY and GRATITUDE. of sentences and for the first letter of Integrity - Having strong moral principles. proper nouns Gratitude - Feeling and expressing thanks. Full stops must be used at the end of a What will I be learning about in this Learning Programme? sentence In LP4 I will be learning about ratio, proportion, percentages and probability. Question marks must be used at the end of a question Apostrophes should only be used for possession or omission Where have I seen this learning before? Days of the week and months must be KS3: Fractions, decimals, percentages, ratio, probability, spelled correctly Key words must be spelled correctly What could I use it for? The knowledge and skills I will learn in this learning programme will allow me to solve ratio, fraction and percentage problems and find probabilities using tables, Venn diagrams, frequency trees, tree diagrams and sample space diagrams. how to draw and understand addition of vectors; LP3 consolidation how to draw and understand addition and subtraction of vectors. Sparx Maths Vector LP4.2.1 11/03/24 - (WK how to use ratios and fractions to make comparisons; LP4:1 Topics plus consolidation how to link ratios and graphs. Sparx Maths Ratio 1P4.3.1 how to solve problems with currency conversion; LP4:2 Topics plus consolidation how to use and interpret ratios of the form 1: n and n:1; Sparx Maths how to solve 'best buy' problems. Exchange Extended Task. 1 LP4.4. I \ how to combine a set of ratios; LP4:3 Topics plus consolidation how to link ratio and algebra Sparx Maths how to solve mixed ratio problems Proportion LP4.5.1 how to calculate simple and compound interest; LP4:4 Topics plus consolidation how to solve repeated percentage change problems. Sparx Maths Multiplier how to solve problems involving growth and decay; LP4:5 Topics plus consolidation Sparx Maths how to solve problems involving percentages, ratios and fractions. Decay Extended Task. n LP4.7. I v 14/24 - (WK ' ev Vocabula how to use experimental data to estimate probabilities; LP4:6 Topics plus consolidation how to find probabilities from tables, Venn diagrams and frequency trees Sparx Maths Independent 1 LP4.8. I 1 6/05/24 - (WK 2 LP4:7 Topics plus consolidation how to calculate probability with independent events; how to use tree diagrams for independent events; Sparx Maths how to use tree diagrams for dependent events. Dependent Pupils have access to knowledge organisers, Mathswatch and Sparx Maths to further support them in their Mathematics revision beyond the classroom. All weekly homework tasks will be set on Sparx Maths and all questions have a video to support. Pupils can access any topic in the Independent Practice section on Sparx Maths. Sparx Maths has been introduced to the pupils by their teachers and their login details should be written in their planner.

Complete 4 XP Boost Tasks on Sparx Maths