

Year 8 Mathematics

Learning Programme 1

The LORIC skill focus for this LP is: LEADERSHIP The Moral Virtues focus for this LP are: COURAGE and HUMILITY. Courage - Acting with bravery and overcoming fears. Humility - Having a modest view of oneself. What will I be learning about in this Learning Programme? In LP1 I will be learning about ratio, proportion, currency conversion, scale and percentages. Where have I seen this learning before? Year 7 - addition and subtraction with fractions, fraction and percentage equivalence. What could I use it for? The knowledge and skills I will learn in this learning programme will allow me to solve ratio and proportion problems. These skills are used when altering a recipe as a chef and scale will be used by architects, builders, planners etc.		Literacy: - Capital letters must be used at the start of sentences and for the first letter of proper nouns - Full stops must be used at the end of a sentence - Question marks must be used at the end of a question - Apostrophes should only be used for possession or omission - Days of the week and months must be spelled correctly - Key words must be spelled correctly
In LP1.1, I will know: how to solve problems involving ratios in 1:n form and m:n; how to divide a value into a given ratio; how to compare ratios and related fractions.	31/08/26 - (WK 1) Fray Model Words Ratio	Homework Yr7 consolidation Sparx Maths
In LP1.2, I will know: how to solve worded problems involving direct proportion; how to convert between currencies; how to solve value for money problems.	07/09/26 - (WK 2) Fray Model Words Proportion	Homework LP1:1 Topics plus consolidation Sparx Maths
In LP1.3, I will know: how to draw and interpret scale diagrams; how to interpret maps using scale and ratio. Extended Task.	14/09/26 - (WK 1) Fray Model Words Scale	Homework LP1:2 Topics plus consolidation Sparx Maths
In LP1.4, I will know: how to convert between decimals and percentages more than 1 or 100%; how to calculate percentages of amount without a calculator; how to calculate percentages of amount with a calculator.	21/09/26 - (WK 2) Fray Model Words Convert	Homework LP1:3 Topics plus consolidation Sparx Maths
In LP1.5, I will know: how to calculate percentage increase and decrease without a calculator; how to calculate percentage increase and decrease with a calculator.	28/09/26 - (WK 1) Fray Model Words Interest	Homework LP1:4 Topics plus consolidation Sparx Maths
In LP1.6, I will know: how to express one number as a fraction or a percentage of another without a calculator; how to express one number as a fraction or a percentage of another with a calculator. Extended Task.	05/10/26 - (WK 2) Fray Model Words Multiplier	Homework LP1:5 Topics plus consolidation Sparx Maths
In LP1.7, I will know: how to calculate percentage change; the appropriate methods to solve percentage problems.	12/10/26 - (WK 1) Fray Model Words Percentage	Homework LP1:6 Topics plus consolidation Sparx Maths
Resources to support learning: Pupils have access to knowledge organisers 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. They can simply search the following topics: ratio, proportion, currency conversion, scale and percentages. Sparx Maths has been introduced to the pupils by their teachers and their login details should be written in their planner.		
FEET Award Challenge for this Learning Programme: Find a cake recipe in a recipe book or online. Work out the quantities of each ingredient you would need to make it for your family to have enough. Present this as a poster or even better bake the cake and take a picture.		

