

# Maths Booklet: Year 4

## Gosfield Community Primary School



**A booklet containing information about maths in Year 4 and advice on how you can help your child with maths at home.**

### **How to help your child with their maths**

Mathematics is a key learning area that has a central place in the curriculum. It provides a means to solve real problems in many everyday situations. Mathematics is not 'sums' but mental number knowledge and skills, and these are of prime importance as they underpin written calculations.

You can help your child with mathematics at home by involving them in practical activities and by helping them to recall key facts, e.g. number bonds or times tables. Some suggested activities are included on the following pages.

## Key objectives to focus on at home.

Please familiarise yourselves with the key objectives below (in bold) for Year 4 and consider how you can help your child to achieve them with discussions at home. By doing this, you can play a big role in helping your child to flourish in school.

Activities and Websites you can use to support your child with the key objectives

### Place Value

- **Count in multiples of 25.**



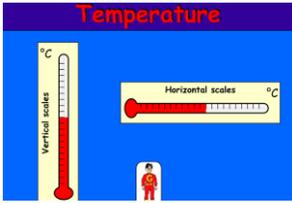
- **Find 1000 more or less than a given number**



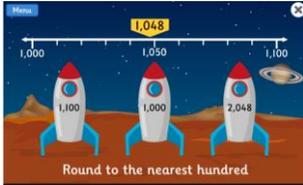
- **Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and ones).**



- Count backwards through zero to include negative numbers



- Round to the nearest 10, 100 and 1000.



## Addition and subtraction

- Add and subtract numbers with up to 4 digits using the formal written methods of column addition and subtraction where appropriate.



- Solve addition and subtraction two step problems in contexts, deciding which operations and methods to use and why.



## Multiplication and Division

- Recall and use multiplication and division facts for multiplication tables up to  $12 \times 12$ .



## Fractions and decimals

- Recognise and show, using diagrams, families of common equivalent fractions. <https://www.youtube.com/watch?v=vKXqzpz-6Os>
- Add and subtract fractions with the same denominator. <https://vimeo.com/507108462> and <https://vimeo.com/507527822>
- Solve simple measure and money problems involving fractions and decimals to two decimal places.

## Measurement

- Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.
- Convert between different units of measure [for example, kilometre to metre]. <https://www.youtube.com/watch?v=djTNUp4XIRo>
- Estimate, compare and calculate different measures, including money in pounds and pence.
- Read, write and convert time between analogue and digital 12- and 24-hour clocks. <https://www.youtube.com/watch?v=b9rn-ojETqk>

## Geometry

- Identify acute and obtuse angles and compare and order angles up to two right angles by size.

<https://www.youtube.com/watch?v=NVuMULQjb3o>

- Identify lines of symmetry in 2-D shapes presented in different orientations.
- Complete a simple symmetric figure with respect to a specific line of symmetry.
- Describe positions on a 2- D grid as coordinates in the first quadrant.
- Describe movements between positions as translations of a given unit to the left/ right and up/ down.

If you have any more questions about how to further support your child with their maths please see their class teacher.