



Mathematics

Autumn Term

Year 7

In this booklet you will find information about what your child will be covering in Maths in the Autumn Term. To reach the expected standard by the end of the year pupils should be able to understand and apply these skills. The back page has information on how you can help your child to achieve these expectations.



Autumn Term



First Half

Unit 1— Whole numbers and decimals

- Understand place value in whole numbers and decimals.
- Order decimals and negative numbers.
- Multiply and divide by 10, 100 and 1000.
- Add and subtract using mental, written and calculator methods.
- Add, subtract, multiply and divide negative numbers.
- Interpret and use a calculator effectively.
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Unit 2—Measures, perimeter and area

- Find the perimeter and area of a rectangle and triangle..
- Find the area of a parallelogram and trapezium.
- Use and convert between metric and imperial units of measure.
- Find the surface area and volume of a cuboid.



Autumn Term

Second Half



Unit 3—Expressions and Formulae

- Use letter symbols, collect like terms and expand brackets.
- Use and derive a formula.
- Substitute positive and negative numbers into a range of expressions.
- Simplify expressions that involve brackets, powers and division.

Unit 4—Fractions, decimals and percentages

- Use fraction notation and simplify fractions.
- Add and subtract fractions.
- Change between fractions, decimals and percentages.
- Find fractions and percentages of amounts.



How can you help your child?



- **Mymaths**— This is a maths based website. Each pupil has their own login and password for this website. The website contains a wealth of resources and games for pupils to practise and consolidate learning from the classroom. This website is also often used as a homework resource.
- **Homework**—Pupils will receive one piece of Maths homework each week. This homework will be given out on a Friday and will be due in the following Friday. All details should be written in your child's homework diary. Homework will either be paper based homework or on Mymaths. Your support with this is invaluable.
- **Calculations** - There is a big emphasis in the new curriculum on using formal methods for calculating. Solid foundations of the four calculation methods (addition, subtraction, multiplication and division) will help your child greatly when applying these skills to word problems and problem solving. For more information on how we teach these methods please see our calculation policy on the school website.
- **Play games and talk maths**— Spend time with your child playing mathematical games and talking about Maths we meet everyday in real-life situations. Make your child realise Maths is fun and necessary for everyday life!

Thanks for all your support, please don't hesitate to get in touch if you have any questions or queries.