



EPCHS MATHEMATICS DEPARTMENT:





ENLARGEMENT & SIMILARITY

Scale Factors Enlargement Similar shapes

Surface area Volume

PERCENTAGES Percentage calculations

AREA & VOLUME Area

3 5

> **TRANSFORMATIONS** Properties of shapes Symmetry Congruence Reflection Rotation

SHAPES &

FURTHER ALGEBRA SKILLS Substitution Inequalities

Summer Term

Probability scal

Spring Term

GRAPHS & TABLES

Coordinates Linear graphs Mileage charts & timetables

STATISTICS Data collection Averages & measures of spread Diagrams & charts

DECIMALS

Place value Fraction to decimal conversion Calculating with decimals

FRACTIONS Fraction equivalence Comparing fractions

TOP TIPS FOR PARENTS

- Ensure your child has a calculator
- Encourage the use of Sparx Maths
- Ask for help with shopping prices
- Play mathematical games like Countdown
- Ensure home learning is done with maximum effort

ENRICHMENT

- Sparxmaths.uk
- Corbettmaths.com
- **UKMT** challenge
- Maths4everyone.com

FUNCTIONS & EQUATIONS Linear equations Simple functions

MEASURES & ESTIMATION

Units of measurement Rounding & approximation Speed Perimeter

RATIO & PROPORTION Proportional reasoning

ALGEBRA SKILLS Algebraic notation Simplifying expressions Expanding

SEQUENCES Linear Arithmetic

NUMBER Factors Multiples Primes Powers Roots & Surds Standard form

Autumn Term