



# **EPCHS MATHEMATICS DEPARTMENT:**

**LEARNING JOURNEY YEAR 7** 









**ENLARGEMENT & SIMILARITY** 

Scale Factors Enlargement Similar shapes

Area Surface area

Volume **PERCENTAGES** Percentage calculations

**AREA & VOLUME** 

**SHAPES & TRANSFORMATIONS** 

Properties of shapes Symmetry Congruence Reflection Rotation

**FURTHER** ALGEBRA SKILLS Substitution

Inequalities

**Summer Term** 

**Spring Term** 

Coordinates Linear graphs

DECIMALS

Place value Fraction to decimal conversion Calculating with decimals

Comparing fractions

## **TOP TIPS FOR PARENTS**

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

### **GRAPHS & TABLES**

### Mileage charts & timetables

#### STATISTICS

Data collection Averages & measures of spread Diagrams & charts

#### **FRACTIONS** Fraction equivalence

#### **FUNCTIONS & EQUATIONS**

**MEASURES & ESTIMATION** Units of measurement Rounding & approximation Speed Perimeter

#### **RATIO & PROPORTION** Proportional reasoning

ALGEBRA SKILLS Algebraic notation Simplifying expressions Expanding

### **SEQUENCES**

Special sequences NUMBER Factors Multiples Primes Powers Roots & Surds Standard form

**Autumn Term** 

### **ENRICHMENT**

- HegartyMaths.co.uk
- Corbettmaths.com
- **UKMT** challenge
- Maths4everyone.com