



# **EPCHS MATHEMATICS DEPARTMENT:**

### **LEARNING JOURNEY YEAR 8**







#### **ENLARGEMENT & SIMILARITY**

**Scale Factors** Enlargement Similar shapes

#### Area

PERCENTAGES Surface area Fraction, decimal, Volume percentages equivalence Percentage calculations

### **AREA & VOLUME**

TRANSFORMATIONS Properties of shapes Symmetry Congruence Reflection Rotation Combined

**SHAPES &** 

#### **TRIGONOMETRY Pythagoras**

**FURTHER ALGEBRA SKILLS** Inequalities

Summer Term

**Spring Term** 

### **GRAPHS & TABLES**

Coordinates Linear graphs Real-life tables & graphs

## **STATISTICS**

Data collection Averages & measures of spread Diagrams & charts

#### **DECIMALS**

Place value Fraction to decimal conversion Calculating with decimals

**FRACTIONS** Fraction equivalence Comparing fractions Calculating with 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.co.uk
- Corbettmaths.com
- **UKMT** challenge
- Maths4everyone.com

#### **FUNCTIONS & EQUATIONS** Linear equations Simultaneous equations

**MEASURES & ESTIMATION** 

Units of measurement Rounding & approximation Compound measures

### **RATIO & PROPORTION**

Proportional reasoning

### **ALGEBRA SKILLS**

Algebraic notation Indices Simplifying expressions Expanding and factorising

#### **SEQUENCES** Linear Arithmetic Special sequences

NUMBER Factors Multiples Primes

Powers Roots & Surds Standard form

Autumn Term