



# Stevenage Education Support Centre

'A centre of excellence for inspiring successful futures'

# Learning Roadmap

## VALUES:

Kindness, Teamwork, Resilience,  
High Aspirations, Tolerance,  
Citizenship

## KS3 Maths



### Year 2

### Year 1

**Application of Number**

- Solving problems with addition and subtraction
- Multiplication and division
- Fractions and decimals of amounts

**Directed Number**

- Four operations with directed number

**Fractional Thinking**

- Addition and subtraction with fractions

**Proportional Reasoning**

- Ratio and scale
- Multiplicative change
- Multiplying and dividing fractions

**Developing Geometry**

- Angles in parallel lines and polygons
- Area of trapezia and circles
- Line symmetry and reflection

**Place Value and Proportion**

- Place value
- Ordering integers and decimals
- Fraction, decimal and percentage equivalence

**Algebraic Thinking**

- Sequences
- Understand and use algebraic notation
- Equality and equivalence

**Reasoning with Number**

- Developing number sense
- Sets and probability
- Prime numbers and proof

**Lines and Angles**

- Constructing, measuring and using geometric notation

**Representations**

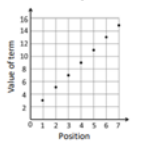
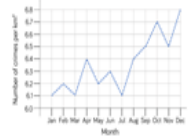
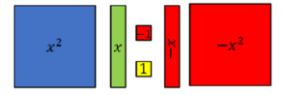
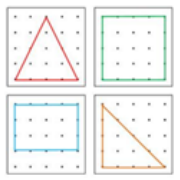
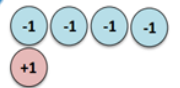
- Working in the cartesian plane
- Representing Data
- Tables and Probability

**Algebraic Techniques**

- Brackets, equations and inequalities
- Sequences
- Indices

**Reasoning with Data**

- The data handling cycle
- Measures of location



Position	1	2	3	4
Term	3	5	7	9