



## SSMS Maths Curriculum Overview

**KS2 Main Aims:** To enthuse and inspire learners and create confident young mathematicians who have a passion for the subject. We want our students to master the curriculum by deepening their understanding, developing their mathematical language, making connections between topics and becoming confident in calculation methods. Our students will build on their understanding of fluency to reason and solve problems.

### Year 5\*

|   | Autumn                                     | Spring                                                   | Summer                                     |
|---|--------------------------------------------|----------------------------------------------------------|--------------------------------------------|
| 1 | Place value; Addition and Subtraction      | Multiplication and division B; Fractions B               | Shape; Position and direction; Decimals    |
| 2 | Multiplication and division A; Fractions A | Decimals and percentages; Perimeter and area; Statistics | Negative numbers; Converting units; Volume |

### Year 6\*

|   | Autumn                                                          | Spring                                                                      | Summer                                      |
|---|-----------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------|
| 1 | Place value; Addition, subtraction, multiplication and division | Ratio; Algebra; Decimals                                                    | Shape; Position and direction               |
| 2 | Fractions A; Fractions B; Converting units                      | Fractions, decimals and percentages; Area, perimeter and volume; Statistics | Projects, consolidation and problem solving |

**KS3 Main Aims:** To build on the foundations of the KS2 curriculum by mastering fundamental knowledge and skills, developing the confidence of students by introducing concepts in a variety of ways and advancing their problem solving skills through rich challenges. Students will have the opportunity to personalise their route through units, either strengthening areas that need consolidating or extending their learning by applying and developing maths in different situations.

### Year 7\*

|   | Autumn                                                     | Spring                                 | Summer                                 |
|---|------------------------------------------------------------|----------------------------------------|----------------------------------------|
| 1 | Analysing displaying data; Number skills                   | Fractions and percentages; Probability | Lines and angles; Sequences and graphs |
| 2 | Expressions, functions and formulae; decimals and measures | Ratio and proportion                   | Transformations                        |



## Seaton Sluice Middle School

| Year 8* |                                                          |                                      |                                                  |
|---------|----------------------------------------------------------|--------------------------------------|--------------------------------------------------|
|         | Autumn                                                   | Spring                               | Summer                                           |
| 1       | Number; Area and volume                                  | Real-life graphs; Decimals and ratio | Calculating with fractions; Straight line graphs |
| 2       | Statistics, graphs and charts; Expressions and equations | Lines and angles                     | Percentages, decimals and fractions              |

*\*Some topics may go into the next term or be started early in the previous term, depending on progress through the curriculum and the length of the half terms.*