

# MATHS-ACCELERATE INTENT

## Maths-Accelerate Intent

The maths provision is designed to ensure that pupils will be fluent in their fundamental number skills, including, the four operations and fractions, decimals and percentages. As students become more confident in these skills, they will be able to apply these to more complex problems and combine with other mathematical skills. Starting points and decisions about progression are based on the security of students' understanding and their readiness to progress. Those not sufficiently fluent are supported to practice and consolidate their understanding before moving onto more complex problems-the curriculum is designed to have differing levels of support.

## KS3

The Accelerate SOL for KS3 will cover topic areas seen in the Y7/Y8/Y9 mainstream curriculum. However, the breadth these topics will be taught to will not be as wide and resources will be combined with resources from the White Rose KS2 curriculum and the support curriculum to ensure that pupils are able to access the learning.

| KS3-1  |                              |
|--|------------------------------|
| Autumn Term  |                              |
| Topic  | Assessment                   |
| 1. Place Value                                       | End of block mini assessment |
| 2. Addition and Subtraction                          | End of block mini assessment |
| 3. Multiplication and Division                       | End of block mini assessment |
| 4. Fractions-Compare and Ordering                    | End of block mini assessment |
| Spring Term  |                              |
| Topic  | Assessment                   |
| 1. Multiplication and Division                       | End of block mini assessment |
| 2. Fractions-Multiplication and Fractions of Amounts | End of block mini assessment |
| 3. Decimals and Percentages                          | End of block mini assessment |
| 4. Perimeter, Area and Volume                        | End of block mini assessment |
| 5. Intro to Algebra                                  | End of block mini assessment |
| Summer Term  |                              |
| Learning Aim   | Assessment                   |
| 1. Shape-Angles and Polygons                         | End of block mini assessment |
| 2. Cartesian Coordinates                             | End of block mini assessment |
| 3. Decimals  | End of block mini assessment |
| 4. Units   | End of block mini assessment |
| 5. Statistics  | End of block mini assessment |

## KS3-2

### Autumn Term

| Topic   | Assessment                   |
|---|------------------------------|
| 1. Place Value  | End of block mini assessment |
| 2. Addition, Subtraction, Multiplication and Division       | End of block mini assessment |
| 3. Fractions-Compare, Add and Subtract                      | End of block mini assessment |
| 4. Fractions-Multiply, Divide and Find Fractions of Amounts | End of block mini assessment |
| 5. Converting Units   | End of block mini assessment |

### Spring Term

| Learning Aim                           | Assessment                   |
|--|------------------------------|
| 1. Ratio                               | End of block mini assessment |
| 2. Algebraic Notation                  | End of block mini assessment |
| 3. Decimals                            | End of block mini assessment |
| 4. Fractions, Decimals and Percentages | End of block mini assessment |
| 5. Statistics                          | End of block mini assessment |

### Summer Term

| Learning Aim                       | Assessment                   |
|------------------------------------|------------------------------|
| 1. Shape-Angles                    | End of block mini assessment |
| 2. Transformations                 | End of block mini assessment |
| 3. Types of Number                 | End of block mini assessment |
| 4. Algebra-Equations and Sequences | End of block mini assessment |
| 5. Probability                     | End of block mini assessment |

The Y10 curriculum is designed for pupils who are working below GCSE grades to try and ensure that pupils can go on to get a GCSE grade. Some pupils will also take the entry level certificate. The topics covered are the same as in the mainstream SOL but are not covered in as great a depth.