



Mathematics Curriculum Intent Statement

Intent – What are we trying to achieve?

Our Mathematics curriculum promotes high standards of numeracy to support pupils to gain confidence in their use of mathematical concepts. Our curriculum ensures pupils achieve our intent in Mathematics and across other subjects, ready for their next steps in education or employment.

Mathematics is a key subject area, promotes learning across the curriculum, and underpins pupil's achievements and participation in all aspects of their lives. Staff will provide pupils with learning opportunities:

- To re-engage in learning, raising self-esteem and building resilience
- To develop skills that enable children to use and apply numbers, measures, shape and space and data handling with competence and confidence in a range of contexts
- To develop children's practical and mental maths skills using knowledge of number facts and strategies for problem solving
- To develop the skills and knowledge required for "real life" situations, and promote problem solving and logical thinking
- To use appropriate terminology and mathematical language
- To have access to a wide range of resources to enrich and broaden their experience

Implementation – How are we going to do it?

Mathematics is taught as a distinct subject and as an integrated part of the curriculum in other areas, particularly in science.

Children follow the White Rose Mathematics scheme of work, and have opportunities to build success through Level 1 and Level 2 functional skills and GCSE courses. The White Rose Mathematics course covers the National Curriculum content of:

- Number skills and rounding
- Fractions, Decimals and Percentages
- Measures
- Properties of Shapes
- Collecting and Representing Data

Students also have access to other areas of the National Curriculum through their other lessons. For example, classes have access to Food Technology and Science resources in order to develop skills such as measuring and quantities.

Impact – How will we know if we are doing well?

Students will leave Riverside Meadows with:

- An understanding of the fundamentals of mathematics
- To be able to reason mathematically, following a line of enquiry, make relationships and generalisations, develop an argument, justification and proof using mathematical language
- The ability to solve problems by applying mathematics to a variety of routine and non-routine problems, including the breaking own of problems into a series of smaller steps.

In addition, we will measure the impact of the mathematics curriculum through:

- Engagement in lessons
- Children's work
- Formative assessment in lessons
- Student voice
- Application of learning across the curriculum