The Oxfordshire Hospital School
Mathematics Curriculum Statement

We recognise that many of our pupils have missed time in school. In our settings, where pupils are taught one-to-one or in small groups, we have a valuable opportunity to mitigate this and to promote positive attitudes to Maths.

We strive to deepen our pupils' understanding of Maths. We do this by adapting and using the approach known as teaching for mastery. We aim to make connections across the Maths curriculum, promote mathematical reasoning and enhance skills in problem solving.

Our lessons are personalised, with interventions to address any gaps in knowledge or skills. Where it is possible and appropriate, we use pupils' enrolled school scheme of work, adapting it to their needs and circumstances. The wide differences between settings at OHS mean there is variation in how this is done.

The approach of teaching Maths for mastery is based on five key ideas:

1. **Representation:** concrete and pictorial ways of exposing the structure behind the Maths to deepen understanding
2. **Variation**: questions chosen and designed to focus on key learning points
3. **Fluency**: quick and efficient recall of mathematical facts, using them in different contexts
4. **Thinking:** developing understanding through reasoning and making connections
5. **Coherence**: small steps made up of connected ideas

We also aim to:

- Provide opportunities for pupils to review, reinforce and extend their mathematical skills and knowledge
- Provide opportunities for pupils to develop practical skills
- Help pupils observe and recognise mathematical patterns and relationships
- Give pupils confidence in their own mathematical knowledge and skills, and their ability to use a range of methods and techniques
- Encourage pupils to use mathematical vocabulary and discuss mathematical ideas
- Give pupils opportunities to communicate their learning and apply what they have learnt to other areas of the curriculum and their lives in general.

These key concepts and processes are taught through 6 areas of attainment:

- Number
- Algebra
- Geometry and Measures
- Statistics
- Probability
- Ratio & Proportion