



'I know how to use part whole models to show tens and ones.'  
**Isabel, Y2**

'I enjoy solving challenging problems in maths lessons.'  
**Magnus, Y4**

# Maths



'I love using Times Table Rockstars to practise my times tables.'  
**Olive, Y5**



# Maths - Intent



- Our intention is for all students to become 'World Ready' and 'Test Ready' mathematicians who use the subject to make sense of the world around them.
- We have made the choice not to follow a scheme of work. Instead, class teachers follow our carefully sequenced curriculum - they adapt this to meet the needs of their students.
- The curriculum provides opportunities for students to develop fluency in fundamental mathematical knowledge and skills.
- Throughout the school, we have a focus on developing our students' number sense so that they become confident, flexible and learn to make connections.
- Students articulate their understanding through mathematical reasoning; they use logic and critical thinking to solve problems.
- Our experiential learning model encourages students to apply what they know to a variety of real world problems - this includes in our challenging STEAM projects.
- Learning experiences encourage students to become independent and resilient mathematicians who learn from mistakes.



# Maths - Implementation



- Fluency, reasoning and problem solving opportunities throughout the week.
- Concrete, pictorial, abstract approach
- Contextualised word problems
- Arithmetic practice
- Greenside Curriculum document: White Rose, NCETM, DfE's Ready to Progress
- Calculation policy
- Weekly Messy Maths session to deepen understanding
- Exploring mathematical vocabulary and language
- Flashbacks / retrieval practice
- Data captures test practice
- STEAM projects
- Number sense programme to secure understanding in EYFS / KS1
- Use of technology to develop fluency in number
- Reasoning on the Radio
- Maths leaders
- Chess club to develop logic and problem solving