

Everyone can do Maths

- Students complete a placement test when starting Mathseeds which places them appropriately in the program. From here, they follow their own learning journey at their own pace.
- Colourful characters introduce each lesson and make learning relevant and fun.



Promoting hard work and effort

- Students see their progress as each activity achieved unlocks the next step.
- Acorns reward student effort and participation, and certificates reward achievement.
- Students progress through Mental Minute to the next challenge level after answering 10 questions correctly in 1 minute, with the stars encouraging children to repeat the activity to collect extra stars for answering 15 or 20 questions.



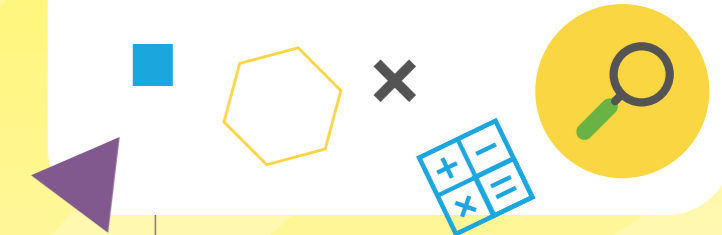
Developing fluency and conceptual understanding

- Every lesson comprises multiple short activities that ensure students explore concepts in various ways and apply their learning in different contexts.
- Every lesson has additional printable worksheets, including a problem-solving and reasoning activity.



Deepening understanding with explanations

- Mathematical models and representations ensure students develop deeper understanding.
- Each lesson contains up to 20 short activities and concludes with a book that further explores the learning.



Learning from mistakes

- When students make errors, they are always encouraged to try again.
- When retaking a test in Driving Tests, students only repeat questions they answered incorrectly - ensuring they are learning from errors rather than redoing questions they have mastered.



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Deepening understanding with explanations

Learning key facts

Making connections

Intelligent practice

Problem-solving & reasoning

Strengths and weaknesses identified

Learning from mistakes

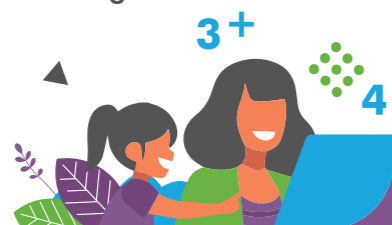
Problem-solving & reasoning

- Every lesson includes a printable problem-solving exercise and some have an interactive version
- Many of these are open-ended or involve finding more than one possible answer.
- Arcade games such as 'Farm Fences' and 'Cow Jump' develop reasoning skills in a fun context.



Intelligent practice

- When students have mastered an activity, a level in Mental Minute, or a test in Driving Tests, the next step opens and encourages students to keep going and drive their learning forward.
- When additional practice is needed, students are guided to go back and repeat their learning.



Strengths and weaknesses identified

- Detailed reporting enables teachers to identify students' strengths and weaknesses.
- Students are guided to repeat and practise topics they are less confident in, only moving on when they are ready for the next step.



Learning key facts

- Students practise and develop their fluency skills in the Mental Minute area, progressing step-by-step to master mental recall across all 4 operations.
- Clear links are made between corresponding addition and subtraction facts and multiplication and division facts to strengthen understanding while developing speed, fluency and confidence.
- Short assessments (Driving Tests) cover all mathematical strands.



Making connections

- Mathseeds links mathematics to real-life examples. For instance, when students learn about the number 5, they learn we have 5 senses.
- Each lesson contains a book that illustrates the mathematical concept with real-life examples, providing a link between Mathematics and Literacy.

