What is Virtual Tutoring?

When you hear 'Virtual Tutor' do you think of a human tutor at the end of a crackly video link delivering teaching?

Think again. Virtual tutors use AI to simulate the behaviour of a human tutor and deliver teaching through interactive, animated lessons online.

One-to-one tuition

Children may believe they're playing maths games, but really they're receiving one-to-one tuition with the best tutor in town - one with proven results, the best pedagogical practices in mind, a will to provide undivided attention at any time of the day, and the ability to adapt to your child's needs and pace-of learning - all with the aim of boosting confidence, making maths fun, and ultimately accelerating learning.

Designed to behave like a human tutor

From the first meeting, to creating a learning plan, and adapting when things are proving a bit difficult, the Maths-Whizz tutor is designed to do just as a human tutor does...
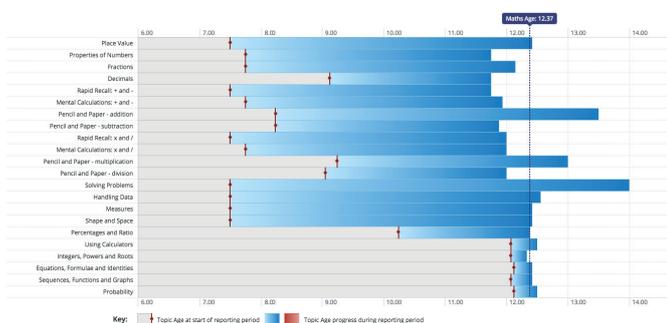

Figure 1

A student learning profile on Maths-Whizz, where the bars measure the student's Maths Age in each topic. The grey bars show a jagged learning profile that arose after the student's initial diagnostic assessment. The blue bars show the student's improvement in each topic through their use of Maths-Whizz. With a sustained diet of individualised tutoring, the student now exhibits a more balanced profile, with less variation between topics.

Identifying needs

A human tutor designs a written test, speaks with a child, or chats to parents and teachers to determine key areas for development. The Maths-Whizz tutor begins with a comprehensive initial assessment covering a range of maths topics, calculates each students 'Maths Age', and provides an exact, up-to-date map of where their strengths and weaknesses lie.

Informed by best approaches

Maths-Whizz is designed with pedagogy in mind. Maths-Whizz tutor follows a mastery approach because extensive research shows that a thorough understanding of foundational concepts is required to make progress to more advanced skills in maths. Students only move forward in a topic when they have demonstrated an understanding of each lesson.

Determining a lesson structure

Based on a student's assessment profile, Maths-Whizz tutor automatically prepares an individualised learning plan aimed at addressing each student's specific knowledge gaps through targeted lessons. Students are guided through hundreds of lessons, each of which comprises an instructional element, an animated, interactive exercise, and a short assessment.

Monitoring learning and tracking progress

With Maths-Whizz tutor, data arises as an immediate by-product of learning. As students undertake their individualised learning journey, the virtual tutor updates their Maths Age for each topic in real-time and feeds key learning data to parents and teachers. Weekly reports are emailed to parents with a digestible interpretation of what the numbers mean, insights into how their child is progressing, and an outline of where they're heading next.

Adapting to individual needs and pace-of-learning

Maths-Whizz tutor focusses the most attention on a student's relatively 'weak' topics and prioritises lesson delivery with the goal of achieving a balanced learner profile. When the Maths-Whizz tutor identifies that a student is struggling through continuous assessment, the tutor provides scaffolded hints, or directs students to earlier content to address knowledge gaps. The tutor provides a skip ahead function if the student is moving through the questions with ease and emails parents if a lesson has been failed so that they can provide a hug and some extra help where needed.
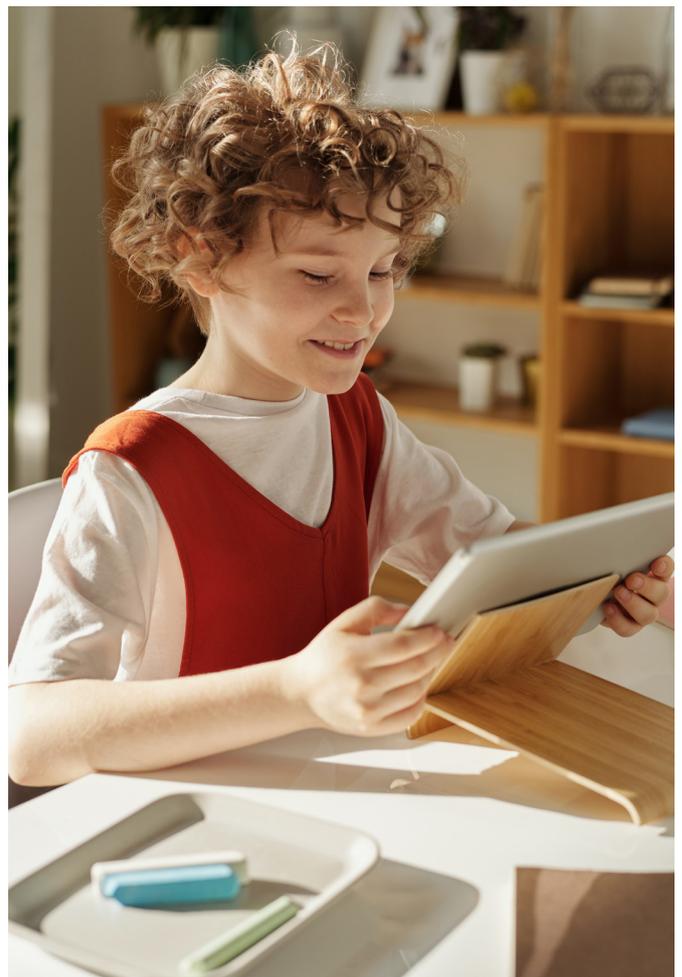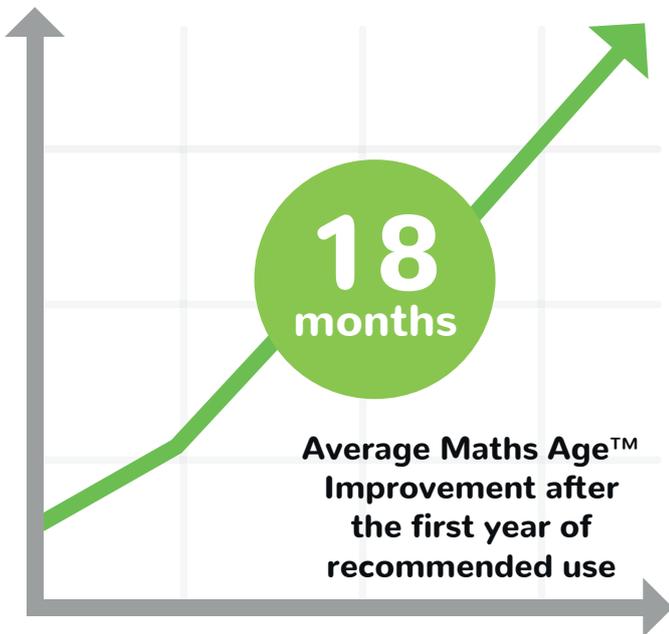
Encouraging consistent, life-long learning

Inspiring human tutors encourage students to follow sustainable learning practices and to love the process of learning even when they are not top-of-the-class. The Maths-Whizz tutor rewards students for their progress and effort, rather than their attainment, to foster a growth mindset. Virtual 'credits' and an increase in 'status' are achieved through consistent, week-on-week effort.

Making learning a bit (*a lot) of fun.

Maths-Whizz tutor immerses students in an engaging environment using gamification dynamics and allows them to customise their avatar, explore different worlds, and collect gems as they work towards weekly goals.

Just like a human tutor, virtual tutors are designed to supplement classroom learning and to maximise the work of educators who cannot possibly provide individualised support to every child, or nurture them through every moment of difficulty.

18 months

Average Maths Age™ Improvement after the first year of recommended use

Where Virtual Tutors do better

Virtual tutors are designed to be a consistent addition to an educational routine, rather than an expensive, emergency relief effort when a child has fallen behind, or has an exam approaching.

Not just an insurance policy

Because one month of virtual tuition costs the same as just one hour of a human tutor's time, virtual tutoring is a more realistic way of providing the continuous, consistent, individualised support that elevates the learning potential of every child.s

Guaranteed Learning Outcomes

Our research demonstrates that spending one hour on Maths-Whizz a week results in 18 months of progress in the first year of use.

Get in touch

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