



MathemaTIC

PERSONALIZED LEARNING
IN MATHEMATICS

For Every Learner



ACTIONABLE DATA

MathemaTIC provides teachers with real-time academic progress allowing for strategic and early learning intervention. The visualizations allow them to view feedback that directly aligns students' needs with learning outcomes.



DIFFERENTIATED INSTRUCTION

Diverse resources enable teachers to tailor the instruction of mathematics for students resulting in an increase in engagement and motivational levels while achieving teaching and learning goals.



Learn



Practice



Apply

ITEM TYPES

In addition to diagnostic and summative items for every topic, students engage with interactive and voice-enabled **learning items** that connect abstract math concepts to practical applications through interactive videos, **practice items** that make computations tangible through various interactions, and **application items** that make critical thinking and problem solving an enjoyable experience.



PERSONALIZED LEARNING

Students interact with research-backed engaging resources that are tailored to their needs and aligned to the learning outcomes as per the curriculum.

MathemaTIC

Personalized Learning
in Mathematics



[MathemaTIC.org](https://mathematic.org)



GAMIFIED EXPERIENCES

MathemaTIC contains game-based and problem solving items throughout its modules. These goal-oriented items allow students to apply the knowledge they learned in a fun and engaging environment.

For inquiries, contact us directly:

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FEATURES



Adaptive

Students work through mathematical items that are linked to the curriculum framework, they are provided with adaptive scaffolding to activate prior knowledge by using several learning strategies that lead to intuitive help-seeking.

This process has proven to improve students' problem solving skills and inform the design of mathematical items for greater efficiency.



Multilingual

The mathematical items have been carefully developed in four languages: German, French, Portuguese and English.

This enables students to understand and work through problems in the language with which they are most comfortable. The platform can be switched between languages (while working on an item) to enable students to understand the problem in a language other than the language of instruction. It also helps parents assist their children through the learning process.



Aligned to the Curriculum

Mathematical items can be aligned to different curricula and their learning objectives. This alignment is represented on an interactive curriculum framework that provides teachers with the ability to monitor each student's progress through the learning resources, their areas of strengths, and their areas of weaknesses.

It also provides students with a clear understanding of their knowledge based on educational objectives and standards.



Intuitive Dashboards

The MathemaTIC dashboards provide teachers with user-friendly, intuitive visualizations of the data that is gathered from students' activities using the mathematical items.

As the items are mapped to not only topics but also to the curriculum, teachers can gauge how the entire class is performing against the curriculum objectives to improve and enhance instructional methodologies.

Teachers can also drill down into individual student progress to identify weaknesses in performance on specific items or modules.



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Vretta



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