

eMathStudio

The learning platform for mathematics that makes continuous feedback possible

Unlike word processors, pen&paper, or other math apps, eMathStudio helps you structure your calculation, and checks it for mistakes.

The **students** can learn from their mistakes.

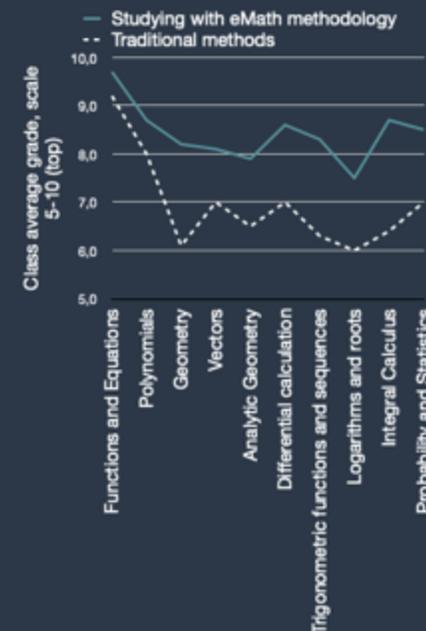
The **teacher** sees the progress and problems of the students in real time. **Exams** can be corrected in minutes.

Schools can order specifically designed **skill gap evaluations** to see, which fundamental skills the students have mastered, and where they are lacking knowledge.

The screenshot shows the eMathStudio interface for a student named 'Student, Demo' working on 'ASSIGNMENTS' for 'South Africa ATP Grade 8'. The student is solving problem 44.c) 'Calculate. $-2y(1+y)$ '. The student's work is displayed on a grid background. The student has written: $-2y(1+y)$, followed by a step-by-step derivation: $= \{ \text{multiply the outer term with both numbers in the parenthesis} \}$, $-2y \cdot 1 + 2y \cdot y$, $= \{ \text{clean up} \}$, $-2y + 2y^2$, $= \{ \text{different degree terms, so I cannot add them, I can order them the other way to look nicer} \}$, and finally $2y^2 - 2y$. The system has provided feedback: a red exclamation mark for the first step, a green checkmark for the second step, and a green checkmark for the third step. Below the student's work, the system indicates 'Derivation not proved correct.' with a red X, and 'The answer is incorrect.' with a red X. The correct answer is shown as $2y^2 - 2y$. The interface also shows a 'Ready!' button and 'Previous check', 'Continue editing', and 'Check' buttons.

Impact in Finnish High Schools

Class average grades improved with 1-2 grades



Developed in co-operation with

Abo Academy University, Finland
University of Turku, Finland
The University of Edinburgh, UK
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Cambridge University, UK
Tampere University, Finland
Technical University of Munich, Germany
UNSW Sydney, Australia
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Part of the Finnish National
Matriculation Exam