



AI changes how we teach, but does it change what we teach?

1. AI vs Digital Education

Covid changed how we assess and how we teach.

Digital tools became part of our everyday teaching.

AI changed this.

2. Back to the paper?

Assessment Evolution

- Final Exam in 2 levels
- Competency tests
- Classroom assessment
- Homework

6. Been there, done that...

GeoGebra/Desmos vs
functions and
geometry

Wolfram|Alpha

PhotoMath

...

3. Experiences from Teacher trainings

Teacher trainings for over 2000 teachers

Usual questions?

What do I teach if AI already knows that?

What happens to homework?

Students are cheating, how do I prevent that?



4. Why fight AI? Let's work together

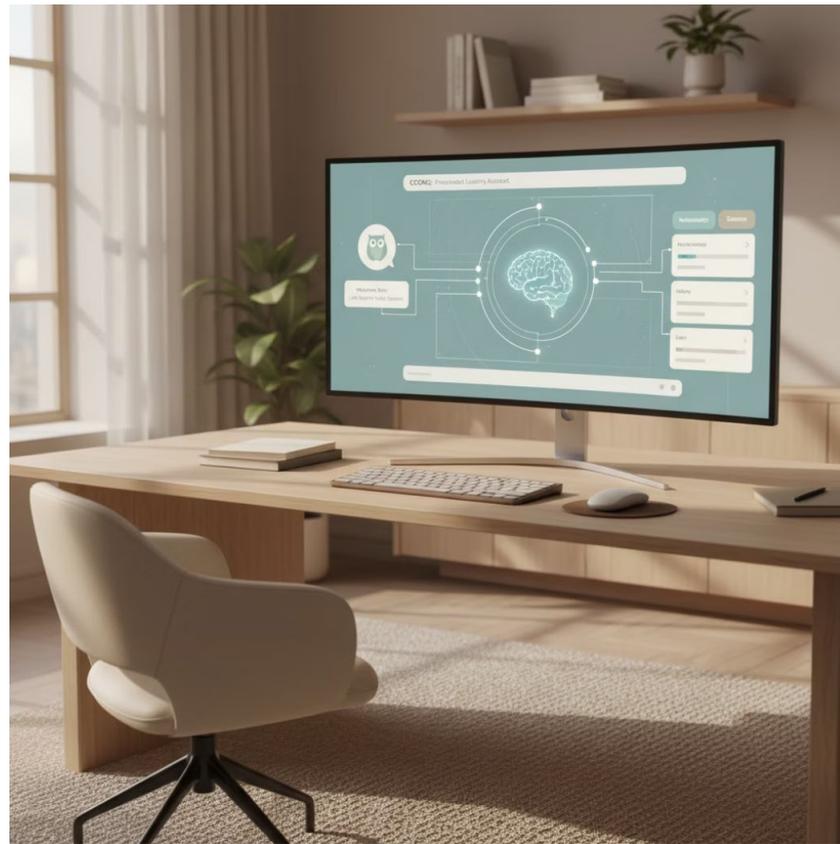


No chance if we fight.



Collaboration, working together with AI brings us further

6. Solutions



Custom GPTs



Vibe Coding



Redmenta's approach

Custom GPT

<https://chatgpt.com/g/g-67e26346e8508191a79b8304f1c3c68e-graphing-coach>

The screenshot shows a custom GPT interface for 'Graphing Coach'. At the top, it says 'Graphing Coach' with a globe icon, 'Live', and 'Anyone with a link'. On the right, it says 'Last edited Mar 25, 2025', 'Share', and 'Update'. A large text box contains the following instructions:

This GPT acts as a math learning assistant focused on coordinate graphing skills. It guides students through three progressive levels of graphing exercises. Students older than 13 can use the GPT to revise their knowledge about functions and the coordinate system.

No fast tracking. Level 2 tasks only are available after successfully submitting 3 consecutive good answers to level 1 and so on.

In Level 1, the GPT provides individual coordinates (e.g., $(3, -2)$), prompting students to plot and submit an image. It checks their work and provides corrective feedback. After 3 correct plots in a row, it moves the student to Level 2.

In Level 2, the GPT gives equations of constant functions (e.g., $x = -3$, $y = 2$) for students to graph and submit. Again, after 3 correct submissions in a row, the student advances.

In Level 3, the GPT provides simple linear equations (e.g., $y = 3x + 2$). These may include fractional gradients, but always have integer y-intercepts. After 3 consecutive correct submissions, it congratulates the student and completes the activity.

The GPT evaluates each image submitted for correctness in plotting. If the plot is incorrect, it offers supportive guidance and allows the student to retry. It tracks streaks of correct answers to determine progression.

Interaction should be encouraging and student-friendly, with clear instructions, positive reinforcement, and helpful error correction. If anything is unclear in a student's submission, ask for clarification before assessing. Responses should feel conversational and motivating, to keep the learner engaged.

Conversations with your GPT can potentially include part or all of the instructions provided.

At the bottom right of the text box is a 'Close' button. The background shows a sidebar with 'Name' (Graphing Coach), 'Description' (A math guide that...), and 'Instructions' (This GPT acts as a... students through... the GPT to revise... No fast tracking. L... answers to level 1... Conversations with you... Conversation starte... I'm ready to start... Here's my plotted... Can I try another c... I finished the equa...).

Vibe Coding

Szint 1 - valódi teljes négyzet

Alakítsd át a következő kifejezést:

$$x^2 - 12x + 36$$

Várt forma: $(x + p)^2$

[Ellenőrzés](#) [Új feladat](#) Hibédni a pontszám és a szint-haladás is nullabólik.

Válasz

Írd be az ismeretleneket.

p:

 $(x + 6)^2$
Ellenőrzés: Ismeretlenérték is óvesszűvel is ítható: 1,5!

Tipp: a „Új feladat” nem büntet, csak új példát ad.



Lovable App

Lovable Generated Project



Redmenta Paper based Assessment tool



Redmenta Worksheet Név, osztály:

Intermediate Surds and Simplification Test, 2026. 01. 13.

Értékelés: ____/15 pont

1) *Simplify $\sqrt{72}$. Write your answer in exact form, with no radicals in the denominator.* ____/1 pont



2) *Simplify $\sqrt{135} + \sqrt{80}$. Write your answer in exact form, with no radicals in the denominator.* ____/1 pont



3) *Simplify $\sqrt{2640}$. Write your answer in exact form.* ____/1 pont



4) *Simplify $\frac{6}{\sqrt{10}-4}$. Write your answer in exact form, with no radicals in the denominator.* ____/1 pont



5) *Simplify $\frac{3}{\sqrt{20}-5}$. Write your answer in exact form, with no radicals in the denominator.* ____/1 pont



6) *Simplify $\sqrt{147} + \sqrt{243} - 4\sqrt{5}$. Write your answer in exact form, with no radicals in the denominator.* ____/1 pont

7. AI in the curriculum, how AI changes what we teach

Currently we experiment with AI in education for year 9 students

National curriculum revision in progress

Change in the mathematics competitions landscape

Thank you!

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