

CIEAEM Webinar Series: How can mathematics curriculum anticipate and prepare for a changing world?

October 3, 2025: Technologies and Challenges

Questions for David

1. Please share your questions for David!

Author: Andreas Moutsios-Rentzos (moutsiosrent)

Don't forget to add your name!

Comments (2)

- **Chronis** (Oct 03, 2025 02:50pm): with respect to wicked problems, take climate change for example. Does it make sense to think in terms of employing climate change to teach linear functions or rather to think of linear functions as a means to tackle the problem of climate change?
 - **Susan Gerofsky** (Oct 03, 2025 02:26pm): Hi Dave! I appreciate Fairclough's idea that you don't really learn a language until you learn to use it politically. But this seems a very partial observation to me. What about learning to use a language poetically, and to make jokes, and to do a crossword puzzle, and to lullaby a child to sleep, and to talk to a health care person and.... Do these not count for Fairclough (and us)? Why only the political? – Susan Gerofsky
-

2. Olga Fellus

Author: Olga Fellus

I resonate with our need to allow teacher candidates to go through experiencing, embracing, and perhaps even readily exploring the notion of unlearning. Could you speak more about what might be some effective and / or efficient approaches to introduce this in teacher education programs at the individual level (not yet at the systemic, scaled up level).

3. Post 3

Author: Giulia Bini (topaina)

I like the idea that mathematics ignorance is responsible for people's resistance to change, but there is also a resistance in those who (will) teach mathematics in changing what is considered appropriate ways of doing mathematics in the classroom. So, to truly teach mathematics in a way that prepares learners for a changing world, should we change what

we consider as legitimate mathematical objects and what counts as valid participation in a mathematics classroom?

Reactions

- **Emojis:** 👍 (1)
-

4. Post 4

Author: Gemma Carotenuto

Thank you for the informative conference. Just one comment. I thought that teachers feel (rightly) unprepared to deal with wicked problems in the classroom, considering that these involve many different disciplines. It has happened to me too. But we must also consider that as members of a democratic society, we will be forced to come up with our own answers to wicked problems, even if they are not exact, and to act accordingly. It is as if we have to accept error and imperfection, which will be present in our everyday lives, even at school.

Comments (2)

- **Gemma Carotenuto** (Oct 05, 2025 08:59am): I strongly agree that, in order to bring about a change in mathematics education in schools in this direction, much will depend on the efforts of us teacher trainers in this direction.
- **Olga Fellus** (Oct 03, 2025 03:30pm): I am thinking of how can we then celebrate subjective mathematizing to then leverage it to develop robust mathematics? How can modifications and perturbations in teaching practices in mathematics be harnessed to first develop confidence in and engagement with mathematics to then refine it to achieve robust mathematics with care so that change in practice takes place? I think it boils down to noticing and perhaps reconfiguring teacher candidates' beliefs about what mathematics is and what it means to do mathematics in the 21st century and to developing positive dispositions towards mathematics to then extend these to students for us to see change in school mathematics.

Reactions

- **Emojis:** ❤️ (1)
-

Questions for Chronis

1. Please share your questions for Chronis

Author: Andreas Moutsios-Rentzos (moutsiosrent)

Don't forget to add your name!

Additional Information

- **Post color:** Green
 - **Created At (UTC):** Oct 01, 2025 05:54am
 - **Updated At (UTC):** Oct 03, 2025 11:48am
-

Questions for Nathalie

1. Please share your questions for Nathalie

Author: Andreas Moutsios-Rentzos (moutsiosrent)

Don't forget to add your name!

Additional Information

- **Post color:** Blue
 - **Created At (UTC):** Oct 01, 2025 05:55am
 - **Updated At (UTC):** Oct 03, 2025 11:48am
-

General Questions & Comments

1. Please share your general questions and comments

Author: Andreas Moutsios-Rentzos (moutsiosrent)

Don't forget to add your name!

Additional Information

- **Post color:** Yellow
 - **Created At (UTC):** Oct 01, 2025 05:55am
 - **Updated At (UTC):** Oct 03, 2025 11:48am
-