Session #590
Professionalism in a Digital Age

Saturday, April 28, 2018,
8:00-9:15 am
Room : 204AB

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Principles to Actions - Professionalism

In an excellent mathematics program, educators hold themselves and their colleagues accountable for the mathematical success of every student and for personal and collective professional growth toward effective teaching and learning of mathematics.

NCTM - Principles to Actions - Ensuring Mathematical Success for All; 2014
What are your favorite/most meaningful digital professional learning experiences?

Least favorite/less meaningful?
Principles to Actions (2014)

Professional development programs promote teachers’ growth in the following four areas:

- Mathematical knowledge
- Capacity to analyze and respond to students’ mathematical ideas
- Fostering positive dispositions towards continued professional learning in math
- Developing and sustaining professional networks to support continuous growth and improvement
While exploring resources, please consider . . .

● How could these digital resources/tools support your **personal** professional growth toward effective teaching and learning of mathematics?
● How could these digital resources/tools support **collective** professional growth toward effective teaching and learning of mathematics?
● How could these digital resources/tools have an impact on the mathematical success of **students**?
Mathematical Knowledge

Inside Mathematics

Visible Thinking Weebly
SHARE OUT

● How could these digital resources/tools support your **personal** professional growth toward effective teaching and learning of mathematics?
● How could these digital resources/tools support **collective** professional growth toward effective teaching and learning of mathematics?
● How could these digital resources/tools have an impact on the mathematical success of **students**?
Analyzing & Responding to Students’ Mathematical Ideas

Math Reasoning Inventory  NCTM online events
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● How could these digital resources/tools support **collective** professional growth toward effective teaching and learning of mathematics?
● How could these digital resources/tools have an impact on the mathematical success of **students**?
Fostering Positive Dispositions Towards Continued Professional Learning in Math

Jo Boaler's Week of Inspirational Math

Teaching Channel - Math videos
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- How could these digital resources/tools support **collective** professional growth toward effective teaching and learning of mathematics?
- How could these digital resources/tools have an impact on the mathematical success of **students**?
Developing and Sustaining Professional Networks to Support Continuous Growth and Improvement

- Customization / Personalization
- Professional goals
“Teachers of mathematics also recognize that they are engaged in a mathematical profession, and consequently they are lifelong learners and doers of mathematics.”

Source: Principles to Actions - Ensuring Mathematical Success for All by NCTM
Thank You!

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