

Session #590

Professionalism in a Digital Age

Saturday, April 28, 2018,

8:00-9:15 am

Room : 204AB

Angela Waltrup

Amy Seylar

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:

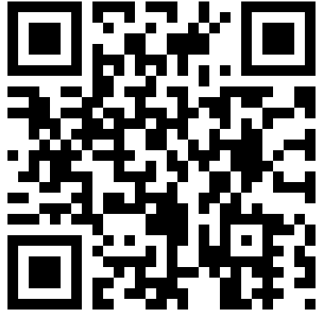
- Mathematical knowledge
- Capacity to analyze and respond to students' mathematical ideas
- Fostering positive dispositions towards continued professional learning in math
- Developing and sustaining professional networks to support continuous growth and improvement

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

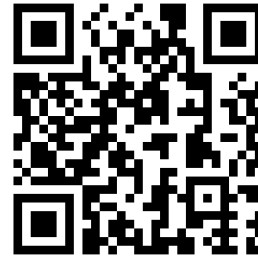
- How could these digital resources/tools support your personal professional growth toward effective teaching and learning of mathematics?
- How could these digital resources/tools support collective professional growth toward effective teaching and learning of mathematics?
- How could these digital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

Analyzing & Responding to Students' Mathematical Ideas

[Math Reasoning Inventory](#)



[NCTM online events](#)



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?

Fostering Positive Dispositions Towards Continued Professional Learning in Math

[Jo Boaler's Week of Inspirational Math](#)



[Teaching Channel - Math videos](#)



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?

Developing and Sustaining Professional Networks to Support Continuous Growth and Improvement

- Customization / Personalization
- Professional goals

Developing and Sustaining Professional Networks to Support Continuous Growth and Improvement

How will our conversation today allow you to better customize your professional learning journey throughout the remainder of this school year? Beyond?

Consider your professional learning growth areas, set goals, create an action plan, and make a determination of how you might best document your digital professional learning journey. Resources shared today are located on the back of this planning page.

Professional Learning Growth Areas:

Goal:

Action Planning:

May	June - August	September	October	November December	January-Feb.	March	April

DOMAIN 4: Professional Responsibilities

- 4a Reflecting on Teaching**
 - Accuracy
 - Use in future teaching
- 4b Maintaining Accurate Records**
 - Student completion of assignments
 - Student progress in learning
 - Non-instructional records
- 4c Communicating with Families**
 - About instructional program
 - About individual students
 - Engagement of families in instructional program
- 4d Participating in a Professional Community**
 - Relationships with colleagues
 - Participation in school projects
 - Involvement in culture of professional inquiry
 - Service to school
- 4e Growing and Developing Professionally**
 - Enhancement of content knowledge and pedagogical skill
 - Service to the profession
- 4f Showing Professionalism**
 - Integrity/ethical conduct
 - Service to students
 - Advocacy
 - Decision-making
 - Compliance with school/district regulations

“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!

Amy Seylar

seylaamy@wcps.k12.md.us

@ASeylarWCPS

Angie Waltrup

waltrang@wcps.k12.md.us

@elemmathgurl