Foundations of Mathematical Reasoning Southern Maine Community College May 14, 2018



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8:30am – 8:45am Welcome and Framing of the Work

Learn important information about the outcomes and structure of

the workshop.

8:45am – 10:15am Active Learning in the Mathematics Classroom

Engage with active learning materials and identify strategies you can use to create a collaborative environment. Emphasis is on supporting productive struggle and ownership in the classroom while ensuring the attainment of mathematical competencies.

10:15am - 10:30am **Break**

10:30am – 12:00pm Supporting the Transition from Students to Learners

Engage with materials to identify curricular strategies that support students' constructive perseverance and self-regulation.

Emphasis is on creating classroom norms and conditions that

promote positive interdependence and individual accountability.

12:00pm – 12:45pm **Lunch provided**

12:45pm – 1:15pm A Different Type of Mathematics Experience

While interaction is encouraged throughout the session, we pause

here to reflect on the morning, respond to some common

concerns, and discuss additional questions.

1:15pm – 2:15pm Introduction to the Technology Platform

Interact with both the student and instructor interfaces; connect to the morning sessions by identifying ways in which the platform supports learning. Locate resources that will be used during the

next session.

2:15pm – 2:30pm **Break**

2:30pm – 3:45pm Preparing for the First Day and the First Week

Explore the table of contents and design the first day and week of classes to establish a community of learners. Work with other faculty members to prepare for the start of your semester,

including creating your course syllabus and deciding on course processes you will use to keep your classroom running smoothly.

3:45pm – 4:00pm **Wrap-up**

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8:00am – 8:30am	Check-in and Coffee
8:30am – 9:00am	Percolating Questions

Discuss questions that have arisen overnight. Prepare for lesson

planning.

9:00am – 10:00am Engaging Students through Learning Catalytics

Know immediately which students need additional support: Learning Catalytics is a Bring-Your-Own-Device interactive student response tool that engages students while providing you

with formative assessment data.

10:00am - 10:15am **Break**

10:15am – 12:00pm Lesson Choreography: Nuts and Bolts

Collaborate with peers to begin choreographing a lesson (or a

sequence of lessons). Consider grouping strategies and

facilitation techniques.

12:00pm – 12:45pm **Lunch provided**

12:45pm – 2:00pm Lesson Choreography: More Layers of the Onion

Continue lesson-planning collaboration with peers. Consider grouping strategies, facilitation techniques, and potential uses of

technology. Prepare to present to your colleagues.

2:00pm – 2:15pm **Break**

2:15pm – 3:45pm Learning from Each Other

Practice teach a portion of your lesson.

3:45pm – 4:00pm Wrap-up and Next Steps