Presentation Schedule for the UW System Math Initiative Showoff/Showdown

January 13, 2021 10:00 a.m.-12:00 p.m.

Time	Active Learning Track	Building Community Track
Slot		
10:00 a.m	"Student Video Assignments in Elementary Statistics"	"These Practices Gave Me a Successful Semester"
10:20 a.m.	Melissa Bingham (UW-La Crosse)	Xianwei Van Harpen (UW-Milwaukee)
	While online homework systems work for students to practice skills in	In my presentation I will share several new practices I adopted this
	math and statistics courses, it can sometimes be difficult for the	semester in my synchronous online math content course for elementary
	instructor to really tell what students understand based off this	teachers. Many of my ideas came from the UW System Active Learning
	homework. In this talk, I will go through how I used student submitted	workshop. Based on my students' feedback, I was able to engage them
	video assignments as a form of assessment in my (asynchronous online)	in their learning as well as make them feel that I cared about their
	Elementary Statistics course in Fall 2020. Both pros and cons of this	success.
	form of assessment will be discussed.	
10:20 a.m	"Using Mastery-Based Grading in Online Calculus Classes"	"Use of Online Discussion Boards for Community Building and Student
10:40 a.m.	Kevin Bombardier (UW-Platteville)	Engagement"
	We will discuss a mastery-based grading system used in my online	Holly Attenborough (UW-Platteville)
	calculus courses during the Fall 2020 semester. In this type of system,	This fall, for the liberal arts math class at UW-Platteville, I made use of
	the stakes are higher on exams: solutions must be correct to "pass" a	discussion boards in our LMS (Canvas). For the first few discussions, the
	concept. There is no partial credit. However, students can attempt	students watched videos from Youcubed.org (created by Jo Boaler of
	concepts again on future exams.	Stanford University), wrote response posts and replied to each other.
		The discussions then shifted to preparing for a presentation on "Math in
		Culture." Each student uploaded their "Math in Culture" presentation to
		a discussion board to which other students replied. This was a great
		addition to the course and the students had a lot of fun with it. These
		discussions and presentations could be easily adapted for other math
		courses.

10:40 a.m	"Building a Stable of Resources for Flipped Learning in Elementary	"Radical Group Work"
11:00 a.m.	Statistics"	Nathan Warnberg (UW-La Crosse)
	Abra Brisbin (UW-Eau Claire)	To help build community and a robust support system, I decided that
	Flipped classrooms are a powerful tool for promoting active learning,	almost all assessments would be group assessments. This included
	but they can also be daunting for instructors in the amount of	quizzes, in-class exams and even the final exam. I will discuss what the
	preparation required. In this presentation, I'll discuss how I leveraged	students thought about the dynamic, how my assessments changed,
	the challenge of a newly-hybrid course (which naturally required	and how it impacted final grades. Overall, I will tell you what I learned
	additional preparation) to build a collection of videos that will enable	from this experiment and how I plan on changing it for Spring
	flipped learning in honors elementary statistics even after the end of the	2021. (Student populations: College Algebra - First Year Students,
	COVID-19 pandemic.	Majors with "light" math requirements and Calculus I - First and Second
		Year Students, Majors with "heavy" math requirements)
11:00 a.m	"Cultivating Active Learning in a Synchronous Online Learning	"Encouraging Students to Participate"
11:20 a.m.	Environment"	Mary Elvi Paler (UW-Platteville)
	Shubhangi Stalder (UW-Milwaukee at Waukesha)	I will talk about some strategies I used to motivate students to
	Shubhungi Studer (Ove-winwaakee at waakesha)	-
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11:20 a.m	"Virtual Polls with Multiple-Choice Questions to Create One-on-One	"Facilitating Group Work in an Online Classroom Using Google
11:40 a.m.	Engagement during AltDelivery"	Jamboards"
	Kirthi Premadasa (UW-Platteville at Baraboo Sauk County)	Michael Loper (UW-River Falls)
	We used a good multiple-choice question bank to work as virtual polls	I will discuss how I used Google Jamboards (a shared virtual
	while teaching Calculus II. Students would work out most of the answers	whiteboard) to facilitate group work in a precalculus class that had a
	individually but would brainstorm as groups for the more challenging	mix of asynchronous and synchronous students. Examples of student
	questions. As the responses were either A, B, C, D, or E, students found it	work will be shared, and I'll mention challenges and successes of using
	convenient to submit the answers via the instructor only chat feature in	the tool to encourage student communication and discussion.
	Zoom. Not only did this method generate significant engagement	
	throughout the class period, but it also allowed the professor to have	
	more one-on-one sessions than regular face-to-face delivery. During this	
	presentation, I plan to share the best practices and three useful	
	multiple-choice question databases.	
11:40 a.m	"Breakout Groups for Active Learning Online in Math Major Courses"	"Transforming Weaknesses into Strengths: Creating a New Culture for
12:00 p.m.	Cindy McCabe (UW-Stevens Point)	Learning, Collaborating, and Assessing in the Virtual World"
	In Abstract Algebra and in Topology, each week we met twice through	Christine Lucas (UW-Milwaukee)
	Zoom and once through asynchronous means. When we met	In this session we will see how the learning in one virtual class of
	synchronously, students used randomly-assigned breakout groups to	students evolved through the use of Jamboards, Interactive
	address one or two questions. Students chose roles (Scribe, Timekeeper,	(Homemade) Videos, Canvas Peer Reviews, and select activities. The
	etc.), opened a shared Word doc, and worked together for 10 minutes in	context is a Mathematics course for elementary teachers, but I'll give
	the middle of class. After class, each student uploaded a copy of their	some tips on a couple of new and easy technologies I found, as well as
	group file after adding a question or comment. Students were engaged, I	comment on which pedagogies worked well and which did not.
	got immediate feedback, and class was much more interesting. I plan to	
	do it again.	