

Terry Bergeson, Washington State Superintendent of Public Instruction

Dr. Bergeson will speak about the state of math in Washington and later lead a discussion around topics such as the newly revised 2008 Washington State Mathematics Standards, including their relationship to the TMP College Readiness Standards.

Ilana Horn, University of Washington

From the one-roomed schoolhouse to Hollywood's teacher heroes saving urban students, Americans often glorify and romanticize teachers working in isolation. Paradoxically, research consistently points to the significance of teacher collectives in raising the achievement of all students, particularly in challenging subjects like mathematics. Participants will examine the ways that teacher communities serve to advance teachers' professional knowledge.

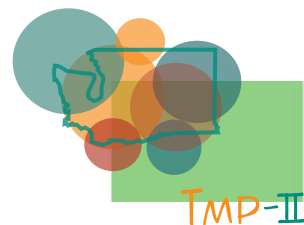
Dan Teague, University of North Carolina

Mathematical Modeling attempts to describe some part of the real world in simple mathematical terms. For students, mathematical modeling offers the opportunity to use their math knowledge creatively to gain insight into the situation being modeled. For teachers, mathematical modeling gives an inviting way to introduce important new math topics and challenging opportunities for students to apply their knowledge and deepen understanding. Participants will engage in several modeling tasks that can be used in a variety of courses.

Susan Hudson Hull, Charles A. Dana Center / University of Texas

Session 1 - Participants will be taken on an exploration of the new Washington high school standards and the implications for learning, teaching (and supporting teaching) and college readiness. Members of the Standards Revision Team will help lead discussions and a work session.

Session 2 - Those attending will learn about the work to develop a fourth year of mathematics as an alternative to pre-calculus. They will discuss the set of expectations, and a proposed set of resources to be developed. A presentation will be made of an Achieve rubric for high-quality fourth-year capstone courses.



This Year's Experts and Their Presentations

Laura Moore-Mueller, Director of Project TIME

Participants will be introduced to several engaging mathematical activities included in a new course for high school seniors that is intended as a rigorous alternative to the pre-calculus track. Attendees will see how non-traditional topics, aligned to the TMP Math Standards can be used to help students be college- and work-ready.

David Lippman, Pierce College, Steilacoom

Attendees will learn what's new on WAMAP.org, the free online assessment tool that provides unlimited online practice, self-graded assessments, practice problems tied to the College Readiness Standards, and practice materials for the upcoming College Readiness Math Test. It will include what's new, what others are doing with this tool, and how to use it in the classroom. Opportunity will be provided for hands-on experience.

Kurt Kreith, National consultant to the Washington state math standards revision process

Session 1 - This presentation will explore some of the fundamental concepts that underlie a traditional approach to calculus. Participants will explore the role that computer technology can play in developing alternative approaches to instruction. Connections to topics in the current secondary school curriculum will be emphasized, as will applications in a contemporary context.

Session 2 - This workshop session gives participants hands-on experience that will show how graphing calculators and spreadsheets can be used to develop topics central to the study of discrete dynamical systems.

Ruth Tsu, Independent consultant in issues of equity and building capacity within communities of practice.

Session 1 - Participants will consider how our thinking about smartness, our questioning of students, and the mathematical tasks we give our students impact the opportunities students have to show how they are smart. We will explore the issue of status: What status is; how status emerges when students work in small groups; and learn strategies to address status issues

Session 2 - Participants will experience talking and working together equitably and will engage in a group-worthy task in which all are expected to participate fully.

Stuart Boersma & Mike Lundin, Central Washington University.

Standards, and pedagogy, and content... Oh my! It's a jungle out there! Participants prepare curriculum maps to help guide them through the math class topography. Session-goers will create concept maps for a specific class they plan to teach next year, helping to separate significant from trivial information, to stimulate conversation between curriculum content and pedagogical practice, and to uncover the many connections among mathematical topics. These maps will lead to a curricular outline so participants should be prepared to work on a specific course and bring the textbook you will be using.

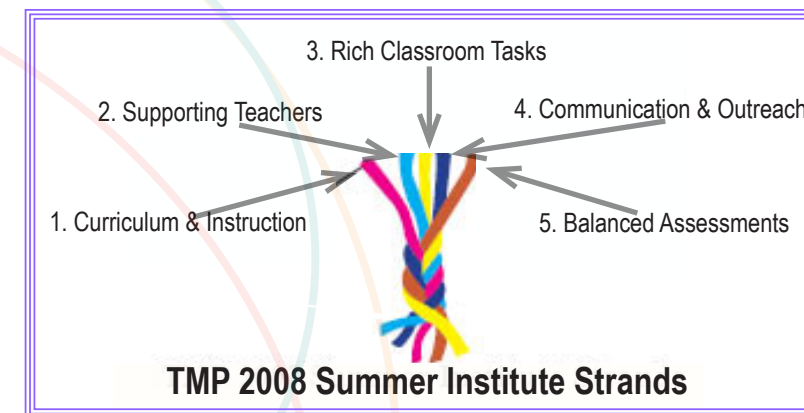


Welcome!

2008 Transition Math Project Summer Institute

Sleeping Lady Mountain Retreat, Leavenworth, WA

August 4 - 8, 2008



This Year's Teams

Exhibit Tables will be set up for all Institute teams at Thursday's Poster Session.

Aberdeen SD / PC3 Team ** Team Meeting Place: Flicker	Leader: Lynn Green Working with Institute Strands: # 1 & 4	Exhibit Table #1
Applied Math Project-Seattle ** Team Meeting Place: Woodpecker A	Leader: Andrea Levy Working with Institute Strands: # 2 & 3	Exhibit Table #2
Edmonds Articulation Council ** Team Meeting Place: Salmon Gallery	Leader: Ken Limon Working with Institute Strands: # 2 & 3	Exhibit Table #3
Highline Community College Team Meeting Place: Quail A	Leader: Helen Burn Working with Institute Strands: # 1 & 5	Exhibit Table #4
Olympic Peninsula TMP ** Team Meeting Place: Chapel Theatre	Leader: Dan King Working with Institute Strands: # 1, 2, 3, 4 & 5	Exhibit Table #5
EWU-Riverpoint Group Team Meeting Place: Nuthatch	Leader: Ron Dalla Working with Institute Strands: # 1 & 3	Exhibit Table #6
Project TIME ** Team Meeting Place: Dipper	Leader: Laura Moore-Mueller Working with Institute Strands: # 1, 2, 3 & 4	Exhibit Table #7
Warfield UW Group Team Meeting Place: Theater Green Room	Leader: Ginger Warfield Working with Institute Strands: # 2 & 4	Exhibit Table #8
Whatcom County Project ** Team Meeting Place: Quail B	Leader: Angela Murray Working with Institute Strands: # 2, 4 & 5	Exhibit Table #9
Walla Walla Project ** Team Meeting Place: Woodpecker B	Leader: Eric Schulz Working with Institute Strands: # 1 & 3	Exhibit Table #10
Yakima Valley Project ** Team Meeting Place: Tadpole	Leader: Kristin Maxwell Working with Institute Strands: # 1, 2, 3, & 4	Exhibit Table #11

*** Designates current TMP grantee*



Monday, August 4

12:00 - 1:30 PM	Registration	Woodpecker
1:30 - 2:30 PM	Opening Remarks, Introductions to this Year's Experts, Agenda Review & Institute Overview	Woodpecker
2:30 - 3:30 PM	Teams Gather to Organize	
3:30 - 4:00 PM	BREAK (room check-in from 3:00PM)	Lobby
4:00 - 5:30 PM	"WASHINGTON STANDARDS IN TRANSITION" (Susan Hudson Hull)	Woodpecker
5:30 - 7:00 PM	DINNER & Free Time to Settle In (Dinner Served 6:00 - 7:00PM)	Kingfisher
7:00 - 8:30 PM	"THE STATE OF MATH IN WASHINGTON" (Terry Bergeson)	Woodpecker

Tuesday, August 5

8:00 - 9:00 AM	BREAKFAST	Kingfisher
9:00 - 10:30 AM	"GIVING STUDENTS THE OPPORTUNITY TO SHOW THEY ARE SMART" (Ruth Tsu)	Woodpecker
10:30 - 11:00 AM	BREAK	
11:00 - 12:30 PM	"TEACHER COLLABORATIONS AROUND MATHEMATICS - PART I" (Lani Horn)	Woodpecker
12:30 - 2:00 PM	Free Time & LUNCH (Lunch Served 12:30 - 1:30PM)	Kingfisher
2:00 - 5:30 PM	Concurrent Activities (A break between 3:30PM - 4:00PM will be called during these sessions)	
	"TEACHER COLLABORATIONS AROUND MATHEMATICS - PART II" (Lani Horn)	Quail
	"EXPERIENCE TALKING AND WORKING TOGETHER EQUITABLY" (Ruth Tsu)	Tadpole
5:30 - 7:00 PM	Free Time & DINNER (Dinner Served 6:00 - 7:00PM)	Kingfisher
7:00 - 8:30 PM	"RETHINKING CALCULUS IN THE TIME OF COMPUTERS - PART I" (Kurt Kreith)	Woodpecker

Wednesday, August 6

8:00 - 9:00 AM	BREAKFAST	Kingfisher
9:00 - 12:30 PM	Concurrent Activities (A break between 10:30AM - 11:00AM will be called during these sessions)	
	"MATHEMATICAL MODELING" (Dan Teague)	Quail
	"DISCRETE DYNAMICAL SYSTEMS" (Kurt Kreith)	Woodpecker
12:30 - 2:30 PM	Informal Networking & LUNCH (Lunch Service Begins at 12:30 PM) During this time, you will be given a chance to consult one-on-one with the expert of your choice. Sign-up sheets will be available for 1-hour sessions on a first-come-first-served basis.	Kingfisher
2:30 - 5:30 PM	Team Work Time	
5:30 - 7:00 PM	Free Time & DINNER (Dinner Served 6:00 - 7:00PM)	Kingfisher
7:00 - 8:30 PM	"ADVANCED MATHEMATICAL DECISION-MAKING: An Alternative for Post-Algebra II" (Susan Hudson Hull)	Woodpecker

Thursday, August 7

8:00 - 9:00 AM	BREAKFAST	Kingfisher
9:00 - 12:30 PM	Concurrent Activities (A break between 10:30AM - 11:00AM will be called during these sessions)	
	"PROJECT TIME" (Laura Moore-Mueller)	Quail
	"REORGANIZING WITH DIGNITY: A Personal TMP Mapping Adventure" (Stuart Boersman & Mike Lundin)	Tadpole
	"WEB-BASED MATH ASSESSMENT & INSTRUCTIONAL SUPPORT" (David Lippman)	Woodpecker
12:30 - 2:00 PM	Free time & LUNCH (Lunch Served 12:30 - 1:30PM)	Kingfisher
2:00 - 3:30 PM	Team Work Time	
3:30 - 4:00 PM	BREAK	
4:00 - 5:30 PM	Poster Session (Stroll through an exhibit of team posters and products while enjoying appetizers and comfortable conversation.)	Woodpecker
5:30 - 7:00 PM	DINNER (Dinner Served 6:00 - 7:00PM)	Kingfisher
7:00 - 8:30 PM	Topical Interest Group Gatherings (Sign up sheets available from Monday through Wednesday evening.)	

Friday, August 8

8:00 - 9:00 AM	BREAKFAST	Kingfisher
9:00 - 12:30 PM	"TMP PHASE II: WHAT HAVE WE LEARNED & WHERE DO WE GO FROM HERE?" (Bill Moore) (A break between 10:30AM - 11:00AM will be called - YOU SHOULD BE CHECKED OUT OF YOUR ROOM BY 11AM)	Woodpecker
12:30 - 1:30 PM	LUNCH & Departures (Lunch Served 12:30 - 1:30 PM)	Kingfisher

Thank You for Joining Us & Our Best Wishes for a Safe Trip Home