
CBMS Summit

Oregon has been accepted to participate in the High School to College Mathematics Pathways: Preparing Students for the Future Summit. The summit will convene teams from up to 25 states in May. The summit will focus on three issues:

- Responding to the changing role of mathematics in the economy
- Ensuring college readiness today and tomorrow
- Articulating the mathematical pathways that will serve all students

The summit is sponsored by the Conference Board of the Mathematical Sciences (CBMS), Achieve, and the Dana Center. All of those sponsors have been involved in reforming mathematics education. Our initial team of 8 includes:

Name	Affiliation	Position
Mark Freed	ODE	K-12 Math Spec.
Tom Thompson	ODE	K-12 STEM Spec.
Dev Sinha	Univ. of Oregon	Math Faculty
Doug Nelson	COCC	Math Faculty
Rebekah Elliott	Oregon State	Math Education Faculty
Heidi Sipe	Umatilla SD	Superintendent
Maddy Ahearn	Lane ESD	K-12 Math Spec.
Duncan Wyse	Oregon Business Council	OBC President and HECC Commissioner

We will be building a larger statewide team following the summit and will have the opportunity to tap into technical assistance from the Dana Center.

Moving Mathways Forward Summit

ODE is starting to expand the reach of the Oregon Mathways Initiative that includes work from Math in Real Life. Over 100 teachers and administrators from across the state will meet at the World Trade Center in Portland on December 13 and 14 to identify and commit to actions that begin to make systemic changes in high school mathematics education. We have a number of local and national speakers who will share their thinking on changes in high school math teaching and learning. Participating teams will have additional time to develop local or regional action plans to implement in the 2019-2020 school year. This interest from schools

exceeded the capacity of the venue so we will be planning other ways to involve an even larger group in the future. The support for Math in Real Life is one of the factors that has built interest in change over time. **ODE would also like to thank PGE for sponsoring the venue.**

Catalyzing Change in High School Mathematics

On November 27 the president of the National Council of Teachers of Mathematics (NCTM), Dr. Robert Berry, spent the day at the University of Oregon meeting with education leaders, teachers, and prospective teachers to share a vision for change in high school mathematics. Dr. Jenny Ruef, a math education faculty member at the University of Oregon, invited Dr. Berry to Oregon because of the statewide innovative work we have begun. Dr. Berry contributed to the recent NCTM publication, *Catalyzing Change in High School Mathematics*, which promotes a vision of mathematics education that aligns well with Oregon's work in this area. The NCTM publication has been stirring interest in high school math reform statewide in Alabama and in cities such as Denver and Baltimore. Mark Freed and Tom Thompson are presenting the Math in Real Life work at the NCTM Regional conference in Seattle November 29.

Math in Real Life

This year the Math in Real Life projects have been taking on more than creating great applied math lessons. The project at the Central Oregon STEM Hub has focused effort on building interest and capacity for Oregon high schools to offer high quality applied math courses. Their current focus is Construction Geometry developed by educators in Colorado. The summer professional development for teachers is being followed up with a visit to Evergreen School District to observe the course in action.

One of our newest STEM Hubs, Mid Valley CTE/STEM Hub, is working with math teachers in Albany and Corvallis to understand what it will take to help math teachers develop lessons that link application and mathematical modeling. They have been reaching out to other STEM Hubs in Central Oregon and Lane County to leverage the expertise built during the first biennium of Math in Real Life.

Contact

Tom Thompson

(503) 947-5790

Tom.Thompson@state.or.us