

## Program Changes

<b>155</b>	Pre-K – 2	<b>Saturday</b>	<b>8:00 am – 9:00 am</b>	Session	<b>Clackamas</b>
	<b>Barbara Novelli</b>	George Fox University			
	<b>Math Success for All Students K-2</b>				
	We will focus on 5 changes you can make to help your students be successful in math (and reading and writing). Barb will share games, learning center ideas, science integrations, music and literature that can increase achievement and make learning positive and fun for everyone, even the teacher!!!				
<b>109</b>	6 - 12	<b>Friday</b>	<b>3:00 pm – 4: 30 pm</b>	Workshop	<b>Hayden</b>
	<b>Andrew Stadel</b>	Tustin Unified School District			
	<b>Boost Conceptual Understanding and Procedural Fluency with Rich Number Sense Tasks</b>				
	Would your students benefit from rich number sense tasks connected to ratios, proportions, expressions, and solving equations? Come participate in hands-on tasks that demand reasoning strategies and coherently build both conceptual understanding and procedural fluency.				
<b>141</b>	7 – 12	<b>Saturday</b>	<b>8:00 am – 9:30 am</b>	Workshop	<b>Weyerhaeuser</b>
	<b>Tom Thompson</b>	Oregon Department of Education			
	<b>Math in Real Life – More Than Context</b>				
	Over 100 math teachers in Oregon have experienced regional professional development to contextualize math. Participants will learn about, analyze, and discuss the teacher successes and struggles related to project.				
<b>152</b>	Pre-K – College	<b>Saturday</b>	<b>9:30 am – 10:30 am</b>	Session	<b>Clark</b>
	<b>Susan Wilson</b>	Oregon Department of Education			
	<b>Barbie, The Solar System, Georgia O'Keefe: All models are flawed...</b>				
	What is beauty? How do we model our world? Embedded in the session will be lessons learned from interdisciplinary collaboration for planning, lesson & assessment design, and implementation of a non-traditional math learning experience and how the current math landscape provides opportunities to push the boundaries of what math is.				