

# ELEMENTARY MATH NEWSLETTER

## MARCH TEACHER OF THE MONTH

Tammy Tueller  
2<sup>nd</sup> Grade

Windridge Elementary



Tammy is amazing at allowing her students to patiently problem solve. Students in her classroom persevere during tasks and seek to understand on a conceptual

level. Tammy has been active in supporting a positive math culture at her school as a member of their math leadership team.

## Mathematical Discourse

This month's resource for mathematical discourse is [Open Middle](#). This website gives students interesting problems in which they have to use the numbers 0-9 once to fill in boxes to make a statement true. These

problems challenge students to justify and generate their

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## 3- Act Tasks

### What to do in math after testing?

So you've made it to the testing season and are starting to plan the last weeks of school. You've already taught your entire curriculum, but how do you keep students engaged in meaningful math until school ends? Watch this [Ted Talk by Dan Meyer](#) to see why how we can keep students engaged and *want* to do math.

A 3-Act Task is a whole-group task that engages students in a real-world and compelling situation, just like the ones Dan Meyer discusses in his Ted Talk. In the first act, students are engaged in a compelling and perplexing problem. In act 2 students seek information and explore solutions to the problem. In the final act, the answer is revealed for discussion and extension. These tasks are a great for the last weeks of school!

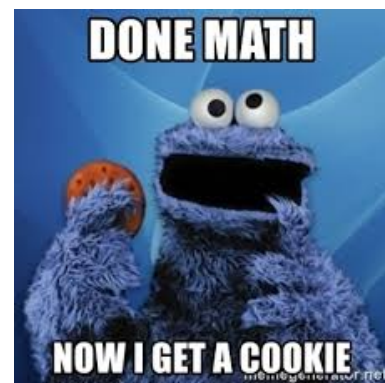
Benefits of 3-Act Tasks:

- Estimation and reasonability skills
- Encourage mathematical discussion
- Allow for multiple approaches
- Require justification reflection

Check out one of my favorite 3-Act Tasks for first grade: [How Many Cookies did Cookie Monster Eat?](#)

Where to find lesson plans for 3-Act Tasks:

- [Graham Fletcher](#)
- [Under the Dome](#)
- [Recording sheet](#)



## Davis Professional Learning Opportunities

### K-12 Mathematical Teaching Practices PDPro

This is an online Canvas course that is focused on the Mathematical Teaching Practices. Register through [Midas](#) # 50467

### K-1 Strategies for Effective Math Practice

This training will focus on strategies for increasing discussion and asking deeper questions. Register through [Midas](#) #50554

### K-1 Investigations Curriculum Program

Provides K-1 teachers with an overview of their new curriculum, including resource, and scope and sequence. Register through [Midas](#) #50555

# USBE Summer Professional Learning Series

Each two-day course will cost \$25 and will get participants lunch on both days, resources, and MIDAS credit. Each course participant will have the opportunity to do an extension after the conclusion of the course that will earn them a \$150 stipend (thanks to the STEM Action Center's generous donation).

Courses will run during the following dates and locations from 8:00 a.m. - 4:00 p.m. each day

- May 28-31, 2019 Nebo School District
- June 3-6, 2019 Iron County
- June 3-6, 2019 Davis School District
- June 10-13, 2019 Washington County
- June 17-20, 2019 Cache County
- June 17-19, 2019 San Juan County
- June 24-27, 2019 Alpine

If you have any questions about these courses, please reach out to Shannon Ferrence at [Shannon.ferrence@schools.utah.gov](mailto:Shannon.ferrence@schools.utah.gov).

## **Elementary Mathematics For All Students - [Midas #50652](#)**

Re-invigorate your math instruction by coming together to collaborate with teachers, engage with rich mathematics tasks, and apply key practices to your own math classroom. Leave with concrete strategies you can use to enhance your planning, instruction, and assessment to create an equitable learning environment that enables all of your students to succeed in mathematics. Held on Mondays and Tuesdays.

## **Secondary Mathematics for All Students - [Midas #52313](#)**

Participants will learn to apply the Utah Multi-Tiered System of Support (UMTSS) framework to increase student learning of mathematics and promote high expectations for each and every student. The sessions will focus on practical strategies to implement high quality math tasks in an accessible way, elicit student thinking, and support productive struggle. Discussions and activities will integrate and encompass the critical components of the UMTSS framework: High-quality Instruction, Team-based Problem Solving, and Data-based Decision Making. Held on Mondays and Tuesdays.

## **What the Tech? Improving the Efficacy of Your Mathematics Classroom - [Midas #52275](#)**

What the heck is "What the Tech"? In this course, mathematics plays the lead role with technology as the supporting actor. Come learn about what makes a mathematics classroom effective, how to incorporate technology into a mathematics classroom strategically and how to evaluate what's working and what is not. Novice to expert tech users from grades K-12 will be engaged in the use of digital tools to provide opportunities for students to reason critically, communicate effectively, and model mathematical concepts using multiple representations. Held on Wednesdays and Thursdays.