

# ELEMENTARY MATH NEWSLETTER

## FEBRUARY TEACHER OF THE MONTH

Stacey Osbourne  
1<sup>st</sup> Grade  
Syracuse Elementary

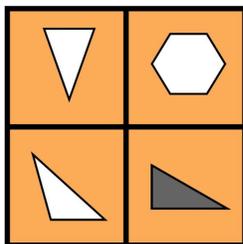


Stacey is one of the truest examples of a growth mindset. Every time she encounters something new or challenging in her job, she jumps in with a positive attitude to find what works and will be allow her students to grow. Her students LOVE math because of the safe environment she has created.

## Mathematical Discourse

Last month I shared 5 practices for facilitating discussions. Over next couple of months I will share some of my favorite resources for getting students to share their thinking through discussions.

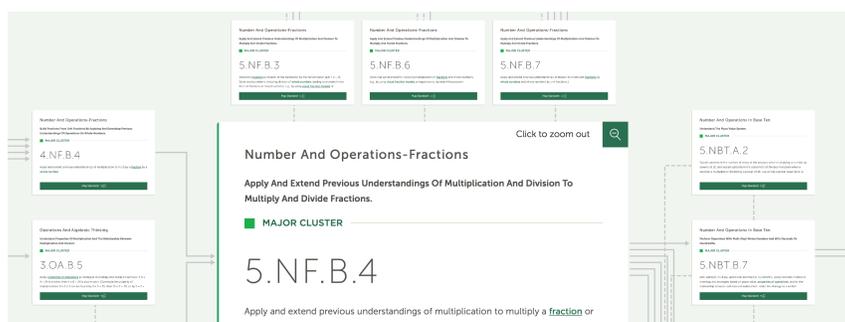
[Which One Doesn't Belong?](#) Is a fun website where students look at images and have to justify their reasoning.



## Math Drill Down and Intervention

### How do I drill down to find areas of deficit in math?

The purpose of a drill down is to identify a student's highest level of proficiency in order to determine where to target interventions to support the area of concern. The [Coherence Map](#) is an amazing tool that can help with this process. This tool allows you to select a standard and find the areas from previous grades that build up to the standard in question.



### What is an instructional intervention?

The purpose of the intervention is to provide specific instruction in an area of need. The goal is to improve student learning in the identified deficit area in order to move the student closer to grade level. Once deficits are found, the [Utah Core Guides](#) can be used to find strategies that can be used for targeted interventions during Tier 2 instruction.

These drill down and intervention tools are useful for classroom teachers running Tier 2 instruction, SPED teachers, learning center teachers, and local case management teams. [View a tutorial on the drill down and intervention process.](#)

## 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 Ference at [Shannon.ference@schools.utah.gov](mailto:Shannon.ference@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.