

# **TEECA**

## **SW Regional Competition**

### **2023**

**Teaching Lesson**  
**Event Guide**

**The Challenge:**  
**“We Can Teach Math Too!”**

Many people look at technology education as “just shop class”, but in reality, these classes serve as an opportunity for students to master skills learned in “core” classes.

Your challenge is to create an engaging 45 minute lesson (one class period) for the 6th-12th grade CTE or STEM class of your choice. The lesson can cover any area or topic, but it ***must be centered around a mathematical concept.***

You will prepare and deliver a 15 minute segment of the lesson to a live audience. During the presentation, you will have access to a computer, projector, and whiteboard. Any other materials must be brought into the classroom.

The lesson should grab the attention of the students, and keep them engaged throughout the presentation.

**Successful participants will complete the following:**

- Prepare an original lesson plan document
  - The lesson plan should contain all of the criteria listed below “Lesson Plan” in the Judging Criteria
  - The completed document should be less than four pages long. Longer documents may be scored lower.
  - Competitors are encouraged to develop a template that can be reused for all future lesson plans.
    - Existing templates can be used, provided that they contain the requirements listed in the criteria below.
    - ABC, 5E, and the PPAT Lesson Plan Templates could be used.
- Prepare and present a ***15 minute activity*** from the lesson plan to the live audience
  - Judges will be among the “class members” in the audience, and should be treated as such
  - In special circumstances, the presentation can be submitted as a video (shareable link, emailed to Sponsor)
  - While developing the presentation, competitors are encouraged to be mindful of every area in the “Teaching Presentation” section of the judging criteria below.

## **Rationale:**

To better prepare future educators for their careers, this challenge is designed to simulate a real classroom environment. Lesson plan development is a pivotal element of teaching, with quality lesson plans serving as a roadmap, archive, and reflective piece for teachers, and an evaluation tool for administrators. To assist competitors with their future licensure requirements, several possible lesson plan templates are listed.

When being evaluated, teachers are rarely given “number scores” regarding their performances in the classroom. The scoring system for this competition closely resembles the format and content of administrator evaluations during classroom walkthroughs. Administrators will often mark areas of proficiency and excellence, as well as highlighting areas where improvement is needed. Even for experienced teachers, administrators will commonly mark very few categories as “excellent” and encourage teachers to improve in as many areas as possible.

*This is a competition, but the main goal of all competitors should be to identify strengths and weaknesses that can be addressed, developed, and utilized in their own classrooms!*

## **Rules and Procedures:**

1. Teachers must present their lesson by themselves. No team teaching.
  - a. Schools are encouraged to enter as many teachers as possible\*
2. Participants will have 5 minutes to set up their presentation, and 15 minutes to present.
  - a. Teachers should utilize the allotted time wisely and efficiently.
  - b. Teachers' use of time i.e. going under or over time limits will be factored into the “Time Management” judging category.
3. Participants must submit copies of completed lesson plans to the student judges before the beginning of their presentation.
  - a. Additional resources (i.e. worksheets, handouts, manipulatives) can also be distributed at this time.
4. Teachers need to address any safety concerns with the student judges before the commencement of potentially dangerous activities. The lesson must not create a hazardous situation.
5. For reflective purposes, student judges may ask questions at the completion of the presentation regarding the teacher's pedagogy, lesson design, or demeanor.

## Judging Criteria:

Teachers will be scored by a team of 3 to 6 judges playing the role of students. The following categories will be scored from “not present” to “exceptional”.

- Lesson Plan:
  - Clearly defined outcomes/objectives: ***(Math concept(s) included here!)***
  - Relevant standards:
  - Materials Needed:
  - Order of Planned Activities:
  - Differentiation for students with IEPs:
  - Reflective piece *(notes for yourself for the next time you teach the lesson)*.
- Teaching Presentation:
  - Preparedness:
  - Time Management:
  - Visual Aids/Manipulatives:
  - Deliverables:
  - Voice/Presence:
  - Activity Design:
  - Student Engagement:
  - Content Knowledge:
  - Assessment Design:
  - Outcomes Successfully Reached:

A separate judging packet will be presented to all judges, and individual rubrics, scores, notes, and feedback will be returned to the competitors at the conclusion of the FSRTC. An example rubric is attached to the end of this document.

*The author would appreciate any feedback from students and advisors regarding the competition prompt, structure, and judging system.*

**Teaching Lesson - Judging Form**

**School/Student:** \_\_\_\_\_

<b>Category</b>	<b>Not Present (0)</b>	<b>Developing (1)</b>	<b>Proficient (2)</b>	<b>Excellent (3)</b>	<b>Comments/Feedback</b>
Clear Objectives/Outcomes					
Relevant Standards					
Materials Needed					
Planned Activities					
Differentiation					
Reflection					
Preparedness					
Time Management					
Visual Aids/Manipulatives					
Deliverables					
Voice/Presence					
Activity Design					
Student Engagement					
Content Knowledge					
Outcomes Reached?					
Assessment Designs:					

<b>Overall</b> <i>(Add up points in column)</i>					<b>TOTAL SCORE:</b>
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Teaching Lesson - Judging Form

School/Student: \_\_\_\_\_

<b>Overall</b> <i>(Add up points in column)</i>					<b>TOTAL SCORE:</b>
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