

LESSON PLANNING AND DELIVERY - STEM



National Qualifying Competition

All TAFE competitors must be FEA affiliated to compete at the region, state and national level.



Entries Per School	2
Type of Event	Individual
State Competition	Yes
National Competition	Yes
National Education and Training Career Cluster Knowledge and Skill Statements <u>TEKS</u>	EDC01, EDC02, EDPC01, EDPC02, EDPC03, and EDPC04
Principles of Education and Training <u>TEKS</u>	1 B, D; 5A
Human Growth and Development <u>TEKS</u>	1 E; 3 F; 4 F; 5 F; 6 E
Instructional Practices in Education and Training <u>TEKS</u>	2 A-D; 3 A-D; 4 A-F; 5 A -D; 6 A-C
Practicum in Education and Training <u>TEKS</u>	2 A-D; 3 A-F; 5 A-D; 6 A-B
Child Development <u>TEKS</u>	1B,F; 6A,B, C, E
Child Guidance <u>TEKS</u>	1A,C, D, G; 4A; 6E, F
College and Career Readiness Skills	ELA: I A, II A-B, III A-B, V A-C Depending on the lesson plan, Math, Science, and Social Studies Standards may be included. Cross-Disciplinary: I A-F, II A-E

NOTE: The members of the Competitive Events/Service Committee selected TEKS from the Education and Training Career Cluster and the Human Services Career Cluster (specifically child development and child guidance) that they thought were most applicable regardless of the specific project/topics selected for each event. However, depending on the specific topic, other TEKS might also apply.

OBJECTIVE:

- To challenge future educators to plan, prepare, and deliver effective lessons.
- To promote teaching skills among T.A.F.E. students.

OVERVIEW:

This competition is an individual event where future educators will plan, prepare and deliver a lesson of their choosing to an actual classroom of students. Self-reflection following the lesson is an essential component of this competition as future educators begin the practice of honing their own teaching skills. Participants will prepare a **lesson plan** and a **10 minute video** teaching the lesson to a class.

This competition encourages members to try out teaching a lesson in science, technology, engineering, or math (STEM). Quality STEM education for all students can lay a path to personal success and to long-term national prosperity—and skilled teachers are the keys. Also, America is experiencing a critical shortage of skilled STEM teachers; more and more states are offering salary increases and bonuses for well-prepared STEM educators.

COMPETITION GUIDELINES:

I. General Competition Information must be follow

II. Region:

- A. Each chapter may submit up to 2 entries for the regional competition.
- B. Preparation and presentation must be done solely by the competitor.
- C. Chapters must indicate on their conference registration form the number entering this event.
- D. Registration will be handled according to each regions guidelines.
- E. After receiving the Judge's Scoring Sheets, the state qualifiers can make any needed corrections before going to state.

III. State:

- A. Lesson Plan: A written lesson plan
 1. The competitor must bring three (3) typed copies of the Lesson Plan to present to the judges at competition.
 2. The plan should include:
 - a. Competitor's name,
 - b. Name of the classroom teacher and the school where the lesson was taught,
 - c. Grade level and subject taught,
 - d. Date lesson was performed,
 - e. Title of lesson,
 - f. Objective of lesson,
 - g. Description of practice activities,
 - h. Desired outcomes of the lesson, and
 - i. Method of assessing whether the outcomes we achieved.
 3. The lesson content and grade level is the competitor's decision.
- B. Lesson delivery: A ten-minute-or-less-video
 1. The lesson described in the plan must be delivered to an actual classroom of students with the classroom teacher present. The classroom teacher may not be the entrant's TAFE advisor.
 2. A ten (10) minute video, clearly depicting the entrant delivering the lesson, must be submitted along with the lesson plan. Do not exceed the ten (10) minute length. Only the first ten (10) minutes of the video will be judged. (Given that most lessons take longer than ten (10) minutes; your video may be edited to include compilation of important parts of your lesson.)
 3. The video file must be in .mp4 format. Videos that are not in this file format will not be accepted and will be disqualified.
 4. Video must be submitted online. Contestants should also bring their video on a flash drive.
- C. Reflection: An interactive session with judges
 1. The entrant will have ten (10) minutes with a panel of judges to reflect on the lesson and, optionally, to share student- and/or teacher-created artifacts from the lesson. The reflection should include what the competitor felt went well, how to improve, and what was learned from the experience that will help him/her become a better teacher.
 2. Judges may ask follow-up questions during the ten (10) minute reflective, interactive session.

COMPETITION FACILITATOR'S & JUDGES' INFORMATION:

I. Both Region and State:

- A. The judging panel will consist of 1-3 adults.
- B. There are two parts to this competition:
 - 1. Video - the video can only be up to ten (10) minutes. If video is longer than 10 minutes, the competitor must be asked to stop the video.
 - 2. Reflection - the reflection portion can only be up to ten (10) minutes. The competitor will have ten (10) minutes with a panel of judges to reflect on the lesson and, answer questions from the judges.
- C. The timekeeper will keep 2 times - the time of the video and the time of the reflection. A one (1) minute warning will be given after nine (9) minutes have passed, and a thirty (30) second warning when thirty (30) seconds are remaining. At the end of ten (10) minutes, a STOP sign will be held up and competitors will be asked to stop video. The same procedure will be followed for the reflection.
- D. The entire presentation to judges (oral presentation and video) will last no more than twenty (20) minutes.
- E. After the presentation, judges will have five (5) minutes to finish their rubric. Each judge will prepare a Judge's Rubric for each competitor.

II. Region

Facilitators will follow the guidelines set up by their region.

III. State

- A. Facilitators will follow the General Instructions for Facilitators.
- B. Judges will follow the General Instructions for Judges.