**EDU 337 Elementary Math Content- Teaching Demonstration**

**Description of the Instrument**

Teacher candidates enrolled in EDU 337 Elementary Math Content- Teaching Demonstration are required to conduct a mini teaching lesson that would be suitable for use in an elementary/secondary mathematics classroom. This teaching demonstration project assesses the candidate’s ability to instruct a mathematics lesson. The length of the lesson should be a minimum of 25 minutes, and it should include the five elements of the 5E lesson plan format. The instructor must approve the project’s topic. The planning, activities, assessments, etc. must be original work (created by the candidate), but may include activities from textbooks or supplemental resources.

Although candidates are beginning professionals, this assessment is designed for candidates to learn more about the principles behind lesson planning and high quality, equitable and ambitious mathematics teaching. At the end of the semester, this project is designed to give candidates the opportunity to teach one complete mathematics lesson. This will serve as an opportunity for candidates to integrate some of the skills they have learned throughout the course, like leading a mathematics discussion and assessing students’ mathematical knowledge, skills, and dispositions. A complete description of the assignment will be distributed in class along with an example demonstration. Candidates will also be provided a copy of the assessment rubric below.

**Administration and Purpose**

This instrument is administered as an evaluation of the candidate’s mini teaching demonstration during the content course. The purpose of the teaching demonstration is to provide candidates with an opportunity to teach one complete mathematics lesson using skills acquired throughout this course. After completion of this assignment, candidates will have developed, designed, and implemented a mathematics lesson that enhances student learning using state and national standards.

**Mathematics Teaching Demonstration Rubric:**

**Candidate: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Grade/Topic: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Time (start-end):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Criteria** | **Greatly Exceeds Expectations**  **(Excellent)**  **10 points** | **Exceeds Expectations**  **(Good)**  **8 points** | **Meets Expectations**  **(Satisfactory)**  **6 points** | **Below Expectations**  **(Fair)**  **4 points** | **Does Not Meet Expectations**  **(Poor)**  **2 point** |
| **Knowledge of Subject Matter**  DOE Proficience(s): 1, 2, 3  NCTM Standard(s): 1, 2  CAEP Standard(s): 1  InTASC Standards: 4, 5 | Demonstrates masterful knowledge of the subject matter. | Demonstrates above average knowledge of the subject matter. | Demonstrates adequate/ average knowledge of the subject matter. | Demonstrates below average knowledge of the subject matter. | Demonstrates a very poor knowledge of the subject matter. |
| **Communication Skills/Clarity**  DOE Proficience(s): 6, 10, 11  NCTM Standard(s): 2, 3, 4  CAEP Standard(s):1  InTASC Standards: 1 | Demonstrates a superior ability to communicate with the class/audience, and the presenter/teacher is clearly and easily understood. | Demonstrates an above average ability to communicate with the class/audience, and the presenter/teacher is clearly and easily understood. | Demonstrates an adequate/average ability to communicate with the class/audience, and the presenter/teacher is understood. | Demonstrates a below average ability to communicate with the class/audience, and the presenter/teacher is not easily understood. | Demonstrates a very poor ability to communicate with the class/audience, and the presenter/teacher is not easily understood. |
| **Poise/Confidence**  DOE Proficience(s): 6, 10  NCTM Standard(s): 4, 5  CAEP Standard(s): 1  InTASC Standards: | Demonstrates an extremely poised and confidence demeanor while presenting the lesson. | Demonstrates an above average display of poise and confidence demeanor while presenting the lesson. | Demonstrates an average display of poise and confidence demeanor while presenting the lesson. | Demonstrates a below average display of poise and confidence demeanor while presenting the lesson. | Demonstrates a very poor display of poise and confidence demeanor while presenting the lesson. |
| **Instructional Methods**  DOE Proficience(s): 3, 5, 10, 13, 14  NCTM Standard(s): 3, 4, 5  CAEP Standard(s): 1  InTASC Standards: 1, 2, 6, 8 | Demonstrates a superior ability to use creative and effective teaching methods during the lesson. | Demonstrates an above average ability to use creative and effective teaching methods during the lesson. | Demonstrates an adequate/average ability to use creative and effective teaching methods during the lesson. | Demonstrates a below average ability to use creative and effective teaching methods during the lesson. | Demonstrates a very poor ability to use creative and effective teaching methods during the lesson. |
| **Voice / Visual Contact**  DOE Proficience(s): 6, 10  NCTM Standard(s): 4  CAEP Standard(s): 1  InTASC Standards: | Speaks using a superior volume level and clarity. Also speaks without the repetition of words or phrases. & Demonstrates a superior ability to maintain eye contact with the class/ audience throughout the lesson. | Speaks using an above average volume level and with clarity. Also speaks without using repetition of words or phrases. & Demonstrates an above average ability to maintain eye contact with the class/ audience throughout the lesson. | Speaks using an adequate/average volume level and with adequate clarity. Also speaks without using many repetitious words or phrases. & Demonstrates an adequate/average ability to maintain eye contact with the class/ audience throughout the lesson. | Speaks using a below average volume level and is difficult to understand. Speaks using many repetitious of words or phrases. & Demonstrates a below above average ability to maintain eye contact with the class/ audience throughout the lesson. | Speaks using a poor volume level and is very difficult to understand. Speaks using many repetitious words or phrases. & Demonstrates a very poor ability to maintain eye contact with the class/ audience throughout the lesson. |
| **Lesson Planning**  DOE Proficience(s): 3, 4, 5, 13, 14  NCTM Standard(s): 1, 2, 3, 4, 5  CAEP Standard(s): 1  InTASC Standards: 1, 2, 3, 7 | Demonstrates a superior ability to organize and execute the lesson. | Demonstrates an above average ability to organize and execute the lesson. | Demonstrates an adequate/ average ability to organize and execute the lesson. | Demonstrates a below average ability to organize and execute the lesson. | Demonstrates a very poor ability to organize and execute the lesson. |
| **Orderly Sequence**  DOE Proficience(s): 3, 4, 5  NCTM Standard(s): 3, 4  CAEP Standard(s): 1  InTASC Standards: 1 | The logical progression of the lesson topics is demonstrated with superior mastery. The lesson easily flows well from topic to topic. | The logical progression of the lesson topics is demonstrated with above average mastery. The lesson easily flows well from topic to topic. | The logical progression of the lesson topics is demonstrated with average/adequate competency. The lesson adequately flows from topic to topic. | The logical progression of the lesson topics is demonstrated with below average competency. The lesson does not adequately flow from topic to topic. | The logical progression of the lesson is demonstrated with poor competency. The lesson does not adequately flow from topic to topic. |
| **Professional Appearance and Conduct**  DOE Proficience(s): 1, 12, 14  NCTM Standard(s): 4  CAEP Standard(s): 1  InTASC Standards: 3 | The candidate demonstrates superior professionalism in terms of his/her attire and conduct throughout the lesson. | The candidate demonstrates above average professionalism in terms of his/her attire and conduct throughout the lesson. | The candidate demonstrates average professionalism in terms of his/her attire and conduct throughout the lesson. | The candidate demonstrates below average professionalism in terms of his/her attire and conduct throughout the lesson. | The candidate demonstrates poor, unprofessional attire and conduct throughout the lesson. |
| **Use of Technology**  DOE Proficience(s): 9, 10, 14  NCTM Standard(s): 2, 3, 4  CAEP Standard(s): 1  InTASC Standards: 1 | The candidate has a superior ability to effectively use audiovisual aids in order to enhance learning during a lesson. &/OR The candidate demonstrates a superior ability to organize and conduct in class activities/demonstrations. | The candidate has an above average ability to effectively use audiovisual aids in order to enhance learning during a lesson. &/OR  The candidate demonstrates an above average ability to organize and conduct in class activities and demonstrations. | The candidate has an adequate/average ability to effectively use audiovisual aids in order to enhance learning during a lesson. &/OR  The candidate demonstrates an above average ability to organize and conduct in class activities and demonstrations. | The candidate has a below average ability to effectively use audiovisual aids in order to enhance learning during a lesson. &/OR  The candidate demonstrates a below average ability to organize and conduct in class activities and demonstrations. | The candidate has a very poor ability to effectively use audiovisual aids in order to enhance learning during a lesson. &/OR  The candidate demonstrates a very poor ability to organize and conduct in class activities and demonstrations. |

**Total Points: \_\_\_\_\_\_\_\_\_\_/100**

**Comments regarding positive aspects of the presentation and what was done well.**

**Comments regarding negative patterns/things that need improvement, including suggestions for improvement where applicable.**