NSF GK-12 MAVS Project Lesson Write Up Template

GK-12 MAVS Fellow: [Type text]

GK-12 MAVS Mentor Teacher: [Type text]

Title of Lesson: [Type text]

Class: (e.g. pre-AP Algebra I, 7th Grade Math, Geometry, etc.) [Type text]

Topic: (e.g. solving two-step equations, order of operations, matrix multiplication, etc.) [Type text]

Objectives: (Begin these statements with what you expect students to be able to do or demonstrate at the end of the lesson. One of the objectives can be about the particular mathematical topic and another objective can be about the connection to research mathematics. When possible, begin your objectives with "Students will be able to…" or "Students will learn…" Remember that an objective should be *measurable*. That is, you should be able to determine whether you met that objective at the end of the lesson via a list of questions the students can answer or some form of assessment that provides evidence that you met your objective.)

[Type text]

Standards TEKS: [Type text]

Standards NCTM: [Type text]

Key vocabulary: [Type text]

List Materials and Resources used: [Type text]

Research Setting/Connection/Motivation: (This should be a layperson's description of the connections to research in mathematics. We should strive to make this a short paragraph.)

[Type text]

Prior knowledge: Provide a short description of what students have already learned in the course that is relevant for this lesson

[Type text]

Vertical Strands: [Type text]

Lesson Presentation: **Drag files to portfolio folder**
Use the 5E model to help organize your lesson write up
1. Engage
2. Explore
3. Explain
4. Extend
5. Evaluate

Teacher Notes: Drag files to portfolio folder These notes should include information that would be helpful to someone teaching this lesson

Lesson Reflection: Drag files to portfolio folder

Provide a short description of the following

1. What went well?
2. What didn't go well?
3. What would you keep?
4. What would you change?

Student Worksheets with Answer key to worksheets: Drag files to portfolio folder submit both worksheet and key

Handouts: Drag files to portfolio folder Include copies of any handouts used during the lesson

PowerPoint: Drag files to portfolio folder Include copy of your power point presentation

- Every one of your six lessons should start with the same 3-4 starter slides which remind the students who you are, what you do, and what you are researching.
- Following those slides, you should include a slide in which you tell the students what you have done (research and graduate school-wise) in the past six weeks (since your previous MAVS lesson).