

## ***Utah State University Graduate Credit***

### **Assignment #1 (Required): Student Work Reflection**

Overview: Select, plan, implement, collect student work, and reflect on one activity from the 2007 Elementary CORE Academy. Respond to the general, planning, and reflection instructions for Assignment #1.

#### Assignment Instructions:

1. What activity was selected? (Include the Name, Content, Standard, and Objective)
2. What ILO will be focused on as part of the lesson presentation? Why?
3. Respond in writing to the Planning Questions as you prepare:
  - a. What essential questions and skills are you expecting your students to understand by the end of the lesson?
  - b. What strategies (at least two) do you anticipate your students using to solve this problem?
  - c. What questions will you ask to help students reflect on a strategy?
  - d. What questions will you ask that might encourage the students to consider a more efficient strategy?
4. Collect student work. Provide two artifacts of student work to be included as part of the assignment: one piece that demonstrates understanding of the concept taught and one piece that shows incomplete understanding or a misconception. Please remove any identifying information about the student.
5. Respond to the associated student work using Reflection Questions after implementation of the activity:
  - a. What did the student work demonstrate regarding the understanding or misconceptions based on the evidence you collected?
  - b. What questions did you use that effectively helped and encouraged students to reflect on individual understanding?
  - c. On the basis of existing understandings, what tasks will you pose next?

Note: Assignment #1 may not exceed 3 double-spaced, 12-point font, typed pages. (Student pages are in addition to the 3-page limit.)

***Assignments must be submitted (post marked) by October 19, 2007***

#### **Submit Two Assignments for Grading to:**

Mail: Elementary CORE Academy  
USU Credit  
6517 Old Main Hill  
Logan, UT 84322-6517

Homework will NOT be accepted via email due to the required student work.

Note: August 17, 2007 is the last day that you can add or drop the USU credit. Incomplete and subsequent failing grades will be assigned for coursework that is not submitted prior to October 19, 2007. This is a Fall 2007 class and grades will not be posted on transcripts until January 2008.

## ***Select one of the following:***

### **Assignment #2: Mathematical Proficiency Discussion**

Overview: Describe what it means for the students in your grade level to be successful in mathematics. Discuss how the five strands of mathematical proficiency apply to the content of your grade level. Respond to the instructions for Assignment #2.

#### Assignment Instructions:

1. Share a brief explanation of what it means to be mathematically proficient.
2. Provide a brief overview of the updates to the Utah Math Core Curriculum for the grade level you teach.
3. Describe how the students can demonstrate that they are successful in mathematics.
4. Discuss the five strands of mathematical proficiency and how each applies to the content and student population in the grade level you teach.
5. Share any insights gained, as an instructor, as a result of learning about mathematical proficiency and how it has influenced your classroom instruction.

Note: Assignment #2 may not exceed 3 double-spaced, 12-point font, typed pages.

### **Assignment #3: Self Needs Action Plan**

Overview: Develop, implement, and evaluate a personal action plan to improve your professional practice. Provide a written response to the instructions for Assignment #2.

#### Assignment Instructions:

1. Provide a brief written overview of your personal professional action plan including your goals and objectives for the activities. What do you need to do to impact student learning?
2. Initiate your plan and document your activities, which may include measures for student progress, and modifications to instruction.
3. The written description should demonstrate change in your professional actions.
4. Documentations should display activities that last over 7 hours beyond the CORE Academy attendance.
5. The description should also include an evaluation of the action plan that indicates value, and learning that occurred.

#### Ideas for Action plans:

- Choose a topic you are interested in learning about (differentiation, reading and writing in math, inquiry etc.) Complete research on the topic and learn how to implement these strategies in your teaching practice.
- Develop a teaching unit that will support best teaching practices. Include elements in the unit that are necessary to impact student learning. Teach the unit to your students and assess student learning.
- Identify a desired skills or organization system that will impact student learning. Describe the activity using the assigned questions.

Note: Assignment #3 may not exceed 3 double-spaced, 12-point font, typed pages.