**LESSON PLAN FORMAT**

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**Date: 02/10/2020**

1. **LESSON FOUNDATION**

**Lesson Title: Adding and Subtracting Fractions Lesson Number w/in Unit: 11**

**Unit Title: Fractions**

**Grade Level(s): 4th Time Allotted: 90 Min**

**Subject Area(s)/Subject Content Explanation: Mathematics**

**Standard(s)/Anchors:**

**M04.A-F:** Numbers and Operations - Fractions

**Assessment Anchor M04.A-F.2:** Build fractions from unit fractions by applying and extending

previous understanding of operations on whole numbers.

**M04.A-F.2.1:** Solve problems involving fractions and whole numbers (straight

computation or word problems)

**M04.A-F.2.1.1:** Add and subtraction fractions with a common denominator

(denominators limited to 2,3,4,5,6,8,10,12, and 100; answers do not need to be

simplified; and no improper fractions as the final answer.

 **Essential Question(s):**

1. How can I use operations to model real-world fractions?

**Instructional Objective(s): A clearly delineated statement of what a student will demonstrate or do after instruction has occurred. This should specify the condition, performance, and criterion.**

**Formative Assessment:**

1. I will be walking around answering individual student questions during their independent practice time.
2. Students will collaborate to check answers for textbook work.

**Summative Assessment:**

1. Students will have a quiz/test at the end of the unit of study.
2. **LESSON BODY**

**INTRODUCTION:**

1. Upon entering the classroom, students will complete their morning routine. This routine consists of their *Math Maintenance* worksheet and the challenge problem of the day on the smart board in their interactive math journal.
2. **Activating Strategy:**
	1. **Slide One:**
		1. **What are fractions?**
		2. **What process can we use to combine them?**

**TEACHING PROCEDURES:**

1. **Slide Four:**
	1. The students and I will work through the practice problem together.
2. **Slide Five**
	1. The students and I will work through the practice problem together.
3. **Independent Practice-** Students will complete problems 3-11 on page 569 in their *My Math* textbook. Once completed, we will check answers as a group.
4. **Independent Practice-** Students will complete problems 12-17 on page 569-570 in their *My Math* textbook. Once completed, we will check answers as a group.
5. **Slide One:**
	1. **What do you do with the numerators when you add fractions?**
	2. **What do you think you would do with the numerators when you subtract fractions?**
6. **Slide Four:**
	1. The students and I will work through the practice problem together.
7. **Slide Five**
	1. The students and I will work through the practice problem together.
8. **Independent Practice-** Students will complete problems 3-11 on page 581 in their *My Math* textbook. Once completed, we will check answers as a group.
9. **Independent Practice-** Students will complete problems 12-17 on page 581-582 in their *My Math* textbook. Once completed, we will check answers as a group.

**CLOSURE:**

1. **Students will complete two activity sheets to determine their progress with adding and subtracting fractions. If not finished during class time, students will take this assignment home and complete it for homework.**

1. **LESSON ESSENTIALS**

**DIFFERENTIATED LEARNING ACTIVITIES:**

1. Students will have fraction strips available to solve problems if they need them.
2. Students will be allowed to choose where they work within the classroom. Options include their desk, the carpet in the back of the room, and the back table.
3. Students will be given an alternative worksheet if they need extra practice or wish to extend their thinking.

**INSTRUCTIONAL RESOURCES, MATERIALS AND TECHNOLOGY:**Computer

1. Smartboard
2. PowerPoint Slides
3. My Math Textbook
4. Student Chromebooks
5. **POST-LESSON REFLECTION:**

**ANALYSIS OF STUDENT LEARNING**: **Review of data and documented evidence of lesson results as related to
 instructional objectives or standards.**

**ANALYSIS OF TEACHING: Include modifications/recommendations of current instruction for future application on 1) planning and preparation, 2) classroom environment, 3) instruction, and 4) professional responsibilities as related to instructional objectives or standards.**

\*Approved by COE Assessment Committee 5-8-13