Lesson Plan Template

For lesson plans, we ask that you complete the following template. Lesson plans involving sustainability can supplement curriculum across a variety of subject areas and can take place in or outside the classroom and we encourage you to share your creativity in this subject! Please contact Ann.Nielsen@asu.edu with any questions or concerns.

1. Personal Information	
Name	JAYLORD S. LOSABIA
Email	jaylord.losabia @deped.gov.ph
School	A. Bonifacio Integrated School
District	Iloilo City Philippines
Grade Level/Audience	Grade 4-6
Number of Students	30

2. Lesson	
Title	Multiplication of Fractions with Whole Numbers
Brief Description (<150 words)	In this lesson, students learn how to multiply fractions with whole numbers using word problems with themes of climate change and saving the Mother Earth. Turn-It-Around cards are used as springboard to motivate and elicit thinking among learners about the lesson.
Subject(s)	Mathematics
Length of Lesson	60 mins
3. Vocabulary *(Please add spaces for more terms as needed)*	
Term	Definition
fractions	a part of an equally divided whole
denominator	represents the number of equal parts in a whole
numerator	represents how many parts are being considered
whole number	number without fractions
4. Materials/Resources Required *(Please add spaces for more materials/resources as needed)*	
Turn-It-Around Flashcard, TV/Projector, Whiteboard	

5. Background

What do the students know already about the topic? What knowledge might you need to scaffold in order for your students to understand the lesson?

Multiplying/Dividing Numbers
The Concept of Fractions

6. Activity/Lesson

Short activity at the beginning of a lesson that engages students, activates prior knowledge, brings one lesson to the next, or prepares students for new subject matters.

Engagement Activity:

Group the class into 5 groups.

Each group will be given the following Turn-It-Around flashcards.

- Group 1 – Card 06
- Group 2 – Card 07
- Group 3 – Card 30
- Group 4 – Card 52
- Group 5 – Card 53

Allow the groups to analyze and deliberate the message of the cards. After 10 minutes, each group will have a representative to share to the whole class the results of their discussion.

Discuss the following questions:

1. What are the effects of climate change in different parts of the world?
2. What can we do to stop climate change?

Present the following story problem:

50 6th grade students plan to do a tree planting activity on Saturday.
2/5 of these students will bring seedlings while the rest will bring planting tools. How many students will bring seedlings?
How many will bring planting tools?

Using the problem, guide students to think of the possible solutions using block model, heuristic or algorithm. Present the steps of multiplying fractions to whole number to show the actual solution.

Provide similar problems for students to practice.

Examples:

1/4 of the Environment Club members wore green shirts while the rest wore blue. If there are a total of 60 members, how many members wore blue shirts?

There are 250 people who attended the Save Mother Earth Forum last Friday. 3/10 of the attendees are teachers and the rest are students. How many students attended the forum?