

Lesson Plan Template

Lesson Segment Focus: Multiplication DrawingsLesson: 1 of 1Course & topic addressed: Operations and Algebraic Thinking in MathDate: October 16thGrade: 2nd Grade

Student Outcomes

Specific learning objectives for this lesson.	Students will learn how to create their own array of objects and arrange them using Google Doc & Drawing. Students will, also, gain foundations for multiplication.
Describe the connection to previous lessons. (Prior knowledge of students this builds upon)	Students should know how to skip count by 2s and 5s. By knowing this, will help them in this activity by skip counting by 5s when checking their work and/or drawing.
Knowledge of students background (personal, cultural, or community assets)	Students will use their background knowledge in regards to multiplication to help figure out what drawing to create and how many objects are needed in their particular array.

State Academic Content Standards

List the state academic content standards with which this lesson is aligned. Include state abbreviation and number & text of the standard.	<p>AR.Math.Content.2.OA.C.3</p> <ul style="list-style-type: none"> - Use addition to find the total number of objects arranged in <i>rectangular arrays</i> with up to 5 rows and up to 5 columns - Write an equation to express the total as a <i>sum</i> of equal addends
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Academic Language Support

<p>What planned instructional supports might you use to assist students to understand key academic language to express and develop their content learning?</p> <p>What will you do to provide varying supports for students at different levels of academic language development?</p>	<p>As an educator, I would allow students time during this activity to let my students do their best. While students are constructing their own personal array of objects, I (as the teacher) will be sure to observe my students by walking around the classroom seeing if any of my students need guidance. To provide support for students that might be struggling, I might allow this lesson/activity to last more than just one day, this would then allow them more time to work and do their best on this assignment.</p>
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Key Vocabulary

What vocabulary terms/content specific terminology must be addressed for students to master the lesson?	Array, equation, rows, columns, addends
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Materials

Materials needed by teacher for this lesson.	Computer, SmartBoard, Wifi, Internet, Google Drawings,
Materials needed by students for this lesson.	Class set of iPads, Wifi, Internet, Google Drawings

Lesson Timeline with Instructional Strategies & Learning Tasks (**This should be VERY DETAILED**)

Amount of Time	Teaching & Learning Activities	Describe what YOU (teacher) will be doing and/or what STUDENTS will be doing during this part of the lesson.
2 minutes	Introduction:	At this time, I (as the teacher) will engage my students by asking them to first find their seats. To engage them, I will ask them a multiplication fact and instead of a student saying the answer aloud, I will have them put their hands on their heads if they know the answer. Before beginning instruction, I will explain the directions to my students and answer any questions before passing out materials needed for this task.
15 minutes	Instruction:	During this time, all students will be at their assigned desks and have a class iPad/tablet. Music will be playing quietly, from the teacher computer, in the background. Students will <u>only</u> be allowed to have Google Drawings on their iPad/tablet screens. Students will create a drawing that shows multiple objects in a rectangular array that includes up to 5 rows and 5 columns. Students will write an addition equation to the side to show how they come up with the sum of the objects.

2 minutes	Closure:	At this time, students will be encouraged to turn to a classmate that is sitting nearby them. Each of the students will have the opportunity to share their work with their classmate. This will allow each student to have someone look over their work before turning in their assignment for a grade.

Accommodations/Modifications

How might I modify instruction for: Remediation? Intervention? IEP/504? LEP/ESL?	As the educator, I can modify this instruction by allowing students to create their task on a piece of paper instead of using Google Drawing. This would be a modification for students who might have to use a pencil and not their finger depending on their disability that they might have. A modification that I (the teacher) could apply to a student that might have ADHD, is to have that specific student sit near the front of the room or near the desk of the teacher.
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Differentiation:

How might you provide a variety of instructional methods/tasks/instructional strategies to ensure all student needs are met?	It is important to allow time for students to work and create the best work they are able to. As a teacher, it is vital that enough time is allotted and students do not have to rush when completing this assignment.
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Assessments: Formative and/or Summative

Describe the tools/procedures that will be used in this lesson to monitor students' learning of the lesson objective/s (include type of assessment & what is assessed).	<input type="checkbox"/> Formative / <input type="checkbox"/> Summative	
	<input type="checkbox"/> Formative / <input type="checkbox"/> Summative	
	<input type="checkbox"/> Formative / <input type="checkbox"/> Summative	

Research/Theory

Identify theories or research that supports the approach you used.	
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Lesson Reflection/Evaluation

What went well? What changes should be made? How will I use assessment data for next steps?	<i>TO BE FILLED IN AFTER TEACHING</i>
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Include supporting material such as slides, pictures, copy of textbook, and handouts for any activities students will be using as part of your lesson.

*adapted from:

<http://webcache.googleusercontent.com/search?q=cache:EsQcNWuG1ZoJ:web.mnstate.edu/harms/StudentTeachers/edTPA-LessonPlan.doc+&cd=2&hl=en&ct=clnk&gl=us;>
[http://www.moreheadstate.edu/getmedia/cd3fd026-939f-4a47-a938-29c06d74ca01/Lesson-Plan-and-Reflections.aspx;](http://www.moreheadstate.edu/getmedia/cd3fd026-939f-4a47-a938-29c06d74ca01/Lesson-Plan-and-Reflections.aspx)
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