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Lesson Plan Template

Lesson Segment Focus Identifying a need and a possible solution

Lesson _____ of _____

Course & topic addressed Science, identifying demand for inventions

Date 11/30/18

Grade 1st

Student Outcomes

Specific learning objectives for this lesson.	TSW be able to recognize inventions around them that were created by a simple need, then imagine tools that could be improved or created to meet a different need.
Describe the connection to previous lessons. (Prior knowledge of students this builds upon)	TSW build on the prior knowledge of what an inventor is.
Knowledge of students background (personal, cultural, or community assets)	

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.	1-ETS1-1 Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.
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Academic Language Support

What planned instructional supports might you use to assist students to understand key academic language to express and develop their content learning? What will you do to provide varying supports for students at different levels of academic language development?	
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Key Vocabulary

What vocabulary terms/content specific terminology must be addressed for students to master the lesson?	<ul style="list-style-type: none">• Demand – the need for something• Improve – to make something better
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Materials

Materials needed by teacher for this lesson.	<ul style="list-style-type: none"> • Padlet • An Edison lightbulb • SmartBoard • <i>Who Was Thomas Alva Edison?</i> By Margaret Frith (book)
Materials needed by students for this lesson.	<ul style="list-style-type: none"> • Chromebooks • Padlet created by teacher

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.
	<u>Introduction:</u>	<p>TTW turn the lights off in the room to get students' attention. She will begin talking about how long ago, when the sun went down, no one could do anything, work on anything, or stay up for very long, because there was no light to do it by! You couldn't just flip on the lights or switch on a lamp. You couldn't even grab a flashlight! There were candles, but those could be expensive and only gave out so much light. Then, the teacher will grab her Edison bulb and switch it on. TTW tell the students that this wonderful invention, the lightbulb, came from a very special man named Thomas Edison, and today she is going to read them a book about him and how he saw a need and met it.</p>
	<u>Instruction:</u>	<p>TTW read the book to the students. Afterward, TTW ask a few questions, such as:</p> <ul style="list-style-type: none"> • What gave Thomas Edison the idea to start trying to create the lightbulb? (He saw a need for a way to have light after dark and stop using expensive and dangerous candles) • Did Edison create a new invention, or improve upon an old one? (He created a new one) • Have you ever seen a need that could be met? (Could be anything from a way to keep your laundry organized, a way to carry all the groceries in at once, a fidget toy, etc., or something big, like a way to feed poor people, a way to help the homeless, etc.) <p>Next, TTW tell students that she is going to let them access a set of activities and videos for more information on inventions. TTW tell the students that after they have explored all the content on the Padlet, she wants them to complete the assignment posted there—an assignment to draw or write about their own imagined invention to meet a need they've seen.</p>

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.
	Closure:	TTW tell students that she is going to let them access a set of activities and videos for more information on inventions. TTW tell the students that after they have explored all the content on the Padlet, she wants them to complete the assignment posted there—an assignment to draw or write about their own imagined invention to meet a need they've seen. TTW release them to their chromebooks to access Padlet.

Accommodations/Modifications

How might I modify instruction for: Remediation? Intervention? IEP/504? LEP/ESL?	.TTW allow students to work in pairs and will scaffold as needed, monitoring the room to help if it is needed.
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Differentiation:

How might you provide a variety of instructional methods/tasks/instructional strategies to ensure all student needs are met?	I will provide both visual and audio instructional material on the Padlet for students to connect with.
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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 checked="" type="checkbox"/> Formative / <input type="checkbox"/> Summative	TTW assess students through discussion.
	<input type="checkbox"/> Formative / <input checked="" type="checkbox"/> Summative	TTW assess students' work on the assignment via Padlet.
	<input type="checkbox"/> Formative / <input type="checkbox"/> Summative	

Research/Theory

Identify theories or research that supports	
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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>;
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