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## Lesson Plan Template

Lesson Segment Focus Natural vs. Syntetic

Lesson 1 of 1

Course & topic addressed Natural Products Undergoing a Chemical Change

Date 4/16/19 Grade 7

### Student Outcomes

Specific learning objectives for this lesson.	<ol style="list-style-type: none"><li>1. Students will understand the difference between synthetic and natural materials.</li><li>2. Students will understand that synthetic materials come from natural resources.</li><li>3. Students will take a stand on which is better for humans.</li></ol>
Describe the connection to previous lessons. (Prior knowledge of students this builds upon)	Students will understand what natural means. This will be the first day of this unit.
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.	<b>7-PS1-3 Gather and make sense of information to describe that synthetic materials come from natural resources and impact society.</b>
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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?	I would create a word wall that had the cognates for synthetic and natural on it to help the students better understand the topic of the lesson.
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### Key Vocabulary

What vocabulary terms/content specific terminology must be addressed for students to master the lesson?	<b>Synthetic, Natural, Chemical Reaction, Resources</b>
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## Materials

Materials needed by teacher for this lesson.	Whiteboard
Materials needed by students for this lesson.	ipads or laptops

## 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.
5 Min	<b>Introduction:</b> Students will answer a question and have a class discussion over synthetic materials.	As students enter class, I will have the following questions wrote on the whiteboard: “What does the word synthetic mean? What do you think about when you hear that word? Do you know of any examples?” The students will write down their answers to the questions. We will then have a class discussion about what their answers were and what some examples are that we may see in the classroom.
30 Min	<b>Instruction:</b> Students will use my Padlet board to explore resources and information about the difference of synthetic vs. natural materials.	I will ask the students to get out their Chromebook or iPads and get on my Padlet that I have created. The students will then have to explore at least 4 difference resources on the Padlet board, including the one titled “The Other Point of View: Can Synthetic Be Better for You Than Natural?” They will be asked to take any notes they feel are important. I will also have the exit slip question wrote on the board for them to be thinking about as they look at the different resources. I would like for them to read the article about the opposing side to help them determine which site has the most factual information, or which one they agree with the most.

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.
10 Min	<b><u>Closure: Students will complete an exit slip quick write.</u></b>	The exit slip question that will be wrote on the board will say: “Do you think natural or synthetic materials are better for humans and the Earth? Use information from both sides of the argument to support your answer.” The students will then use their notes that they took to help them take a side. I will tell them that I expect at least a good paragraph to help me better understand why they chose that side.

**Accommodations/Modifications**

How might I modify instruction for:  Remediation? Intervention? IEP/504? LEP/ESL?	I would provide scaffolding while the students are exploring the resources and taking notes.
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**Differentiation:**

How might you provide a variety of instructional methods/tasks/instructional strategies to ensure all student needs are met?	<b>This lesson plan allows students to discuss their stance on topic as well as write notes and read information.</b>
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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).	X Formative / <input type="checkbox"/> Summative	Opening Question on the Board
	X Formative / <input type="checkbox"/> Summative	Notes taken from the resources
	X Formative / <input type="checkbox"/> Summative	Exit slip

**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.mcneese.edu/f/c/9cb690d2/Lesson%20Plan%20Rubric%20Aligned%20with%20InTASC.docx>; <https://www.uwsp.edu/education/Documents/edTPA/Resource12.pdf>; <https://www.uwsp.edu/education/Documents/edTPA/Resource11.pdf>; <https://www.uwsp.edu/education/Documents/edTPA/Resource11a.pdf>; <https://www.uwsp.edu/education/Documents/edTPA/LessonPlanTemplateSOE.docx>; <https://www.uwsp.edu/education/Documents/edTPA/SpecEdLessonPlanGuide.docx>; <https://www.uwsp.edu/education/Documents/edTPA/SpecEdLessonPlanTemplate.docx>