

# Mini Lesson Plan

**Learning Segment Focus:** Energy Lesson 1 of 6

**Course & topic addressed:** Earth Space and Science/Energy Date 12/13/2019  
**Grade** 4

## Students Outcomes

Specific leaning objectives for this lesson.	Students will be able to define energy and be able to identify it.
Justify how learning tasks are appropriate using and example of students prior academic learning.	This lesson will allow the teacher to assess the student’s ability to use a computer and tablet. It will also allow the assessment of how well students can working together or collaborate.

## State Academic Content Standards

List the state academic content standards with which this lesson is aligned. Include abbreviation, number & text of the standard(s).	4-ESS3-1 Obtain and combine information to describe that energy and fuels are derived from natural resources and their uses affect the environment.
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## Key Vocabulary

What vocabulary terms/content specific terminology must be addresses for students to master the content.	Energy, light, heat, motion, biomass energy, chemical energy, electrical energy, kinetic energy, light energy, mechanical energy, nonrenewable energy, nuclear energy, potential energy, renewable energy, thermal energy
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## Materials

Materials needed by teacher for this lesson. (such as books, writing materials, computers, models, colored paper, etc.)	Paper, pen or pencil, computer, projector, ink, energy items (lightening bolts, water, wind figures, etc)
Materials needed by students for this lesson. (computers, journals, textbook, etc.)	Tablets, computers

## Lesson Timeline with Instructional Strategies & Learning Tasks

Amount of Time	Teaching & Learning Activities (Bulleted Style)	Describe what the teacher will be doing and/or students. (Make it detailed)

10 minutes	<p><b><u>Introduction:</u></b></p> <ul style="list-style-type: none"> <li>• Students will learn what energy is.</li> <li>• A discussion will be made about where we can see energy sources.</li> <li>• They will watch a short video <a href="https://www.youtube.com/watch?v=4HdxQhBRDUI">https://www.youtube.com/watch?v=4HdxQhBRDUI</a></li> </ul>	<p>I will give the students the definition to energy (the ability to do work or to make something happen).</p> <p>I will then ask the students where they see energy.</p> <p>I will then play a short video for the students.</p>
20 minutes	<p><b><u>Introduction:</u></b></p> <ul style="list-style-type: none"> <li>• Students will get into group of five</li> <li>• Students will gather around a computer and research energy. They will spend about 10 minutes with the assignment. They will look at the different kinds of energy and where it can be found</li> <li>• Once the time is up students will stay in their groups and move to a table</li> <li>• Each group will be given tablets.</li> <li>• Each tablet will have a list of energy substances for a scavenger hunt.</li> <li>• The students will send one student to find an item at a time.</li> <li>• Once an item has been found, the next student will take their turn.</li> <li>• The students will race to find all of the items.</li> </ul>	<p>I will give the students instructions on their research. I will inform them that they will research for energy sources.</p> <p>While students are researching, I will be walking around making sure that students are doing what they are supposed to.</p> <p>I will then instruct students on the scavenger hunt.</p> <p>I will help students with the hunt if they are struggling.</p>
10 minutes	<p><b><u>Closure:</u></b></p> <ul style="list-style-type: none"> <li>• We will discuss why we need energy.</li> <li>• I will ask the students their thoughts on why we need energy and how it affects our living.</li> </ul>	<p>I will ask the students why they think we need energy and how they think it affects our living.</p> <p>I will then discuss why we need energy.</p>

### Accommodations/Modifications

<p>How might I modify instruction for:  <i>Remediation?</i>  <i>Intervention?</i>  <i>IEP/504?</i>  <i>LEP/ESL?</i></p>	<p>For my students that need modification, I will have worksheets with energy sources and definition on the paper. I will have games for those students to play to help them understand the lesson. I will also help instruct them on what they are learning.</p>
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(All students who have plans mandated by federal and state law.)	
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### **Technology Connections**

Technology that will be used during the lesson plan. (Bullet Style)	Tablets, computers, YouTube
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