

Backwards Design Template

Matter
Name of lesson/ unit: _____

Grade Level: k 1 2 3 4 5 6 7 8
 9 10 11 12 college

Subject Area: ELA Math Science Technology
 Social Studies/ History Fine Arts
 PE/Health Foreign Languages

Links to Standards: These links will take you to a web page

[CCSS ELA](#)

[CCSS Math](#)

[CCSS History/SS](#)

[Next Gen Science](#)

[Fine Arts](#)

[PE/Health](#)

[Computer Science/Technology](#)

[Foreign Languages](#)

Stage 1-Desired Results

Content Standard(s):

Copy and paste them here:

CCSS.ELA-Literacy.RI.2.4 Determine meaning of words and phrases in text relevant to a grade 2 topic

CCSS.ELA.Literacy R1.2.3.- Describe connection between a series of historical events, scientific ideas or concepts or steps in technical procedures in a text.

CCSS.ELA. Literacy RI.2.10- Read and comprehend informational texts

<p>Understanding(s): Students will understand that changes can be made to matter and that they can be undone.</p> <p>solids have a definite volume and a definite shape. Their size and shape remain the same.</p> <p>Liquids have a definite volume but don't</p>	<p>Essential Question(s): What is matter? What is liquid? What is a solid? What makes solid and liquid? What is a gas? How does matter change?/ What makes matter change? How does matter change from a solid to a liquid?</p>
<p><i>Other Notes:</i></p>	
<p>Stage 2-Acceptable Evidence</p>	
<p>Performance Task(s) How do the students prove they understand the concept(s)? What are the tasks? Mississippi Snow Man- solid to liquid observation</p> <p>Balloon Observation- blow up a balloon and release the air to show the gas. Changing the size and shape</p> <p>Ice Cream- going from a liquid to a solid</p>	<p>Other Evidence and Formative Assessment works: Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.</p> <p>Analyze data obtained from testing different materials to determine which materials have properties that are best suited for an intended purpose.</p> <p>Construct an argument with evidence that some changes caused by heating</p>
<p>Rubric: Create a rubric at http://rubistar.4teachers.org/</p> <p>Copy the url to the created rubric and paste it here: http://www.rcampus.com/rubricshowc.cfm?code=L4B58C&sp=true&</p>	
<p>Stage 3- Learning Plan</p>	
<p>Learning Activities: Type your lesson plan here: Lesson 1- Matter *read aloud Matter *discuss the 3 types of matter and define them- solid, liquid, gas</p> <p>Lesson 2- What is matter? *Make a chart for properties of matter</p> <p>Lesson 3- What is liquid? *read aloud Liquids</p>	

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Adapted from Grant Wiggins and Jay McTighe-*Understanding by Design*

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