

Grade 2	Science	Week 6
Lesson Title: Solids, Liquids, and Gases		
Weekly Learning Targets: Students can define solids, liquids, and gases and state properties for each of them.		
<p>Vocabulary: solid, liquid, gas, size, shape, container,</p> <p>Next Generation Science Standards</p> <p>2.PS1.1 – Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.</p> <p>2.PS1.2 – Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.</p> <p>K.2.ETS1.3 – Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.</p>		
<p style="text-align: center;">MONDAY</p> <p>Daily Learning Target: Students can define a solid and give examples of solids.</p> <p>Learning Tasks: To begin the class, the teacher can review key details from last week about matter and ask the students if they know the three states of matter. The teacher can use examples of each to show the students. The teacher can then explain that they will be talking about solids. The teacher can pass around the solid and ask what the students notice about its properties. Next, the class can watch this video about solids. (SM A) While watching the video, the students can take notes and can discuss as a class after watching the video. Then, the students can read page 25 in the book about solids and identify different solids in their classroom. Finally, they can draw a picture of a solid and write the definition of a solid in their own words.</p> <p>Daily Formative Assessment: The teacher can check the students’ drawing and definition of a solid.</p> <p style="text-align: center;">TUESDAY</p> <p>Daily Learning Target: Students can define a liquid and give examples of liquids.</p> <p>Learning Tasks: To begin the class, the teacher can review the definition of a solid and add the information to a solid, liquids, and gases anchor chart. (SM B) The teacher can then explain that today they will be talking about liquids. The teacher can pass around an example of a liquid and ask what the students notice about its properties. Next, the class can read this story about liquids and other states of matter. (SM C) While reading the story, the students can take notes and can discuss as a class. Then, the students can read page 26 in the book about liquids and identify different liquids in their classroom or at home. On page 27, the students can write how solids and liquids are different. Then, the children can draw the shapes that water takes in in the picture on page 26 and 27.</p> <p>Daily Formative Assessment: The teacher can check the students’ drawing and comparison of solids and liquids.</p> <p style="text-align: center;">WEDNESDAY</p> <p>Daily Learning Target: Students can define a gas and give examples of gases.</p> <p>Learning Tasks: To begin the class, the teacher can review the definition of a solid and liquid and add the information to a solid, liquids, and gases anchor chart. (SM B) The teacher can then explain that today they will be talking about gases. The teacher can pass around an example of a gas and ask what the students notice about its properties. Next, the class can reread this story about gases and other states of matter. (SM C) While reading the story, the students can take notes and can discuss as a class. Then, the students can read page 28 in the book about gases and identify different gases in their classroom or at home. On page 28 and 29, the students can write how gases and liquids are alike. Then, the students can identify where the gas is in the different pictures and what shape it takes.</p> <p>Daily Formative Assessment: The teacher can check the students’ comparison of gases and liquids.</p> <p style="text-align: center;">THURSDAY</p> <p>Daily Learning Target: Students can state properties of each of the states of matter.</p>		

Learning Tasks: To begin the class, the teacher can review the definition of a gas, liquid, and solid and add the information to a solid, liquids, and gases anchor chart. (SM B) After, the class can watch this video (SM D) about solids, liquids, and gases. The students can take notes while watching the video and can discuss it after. Finally, the teacher can teach the students a song about the different states of matter and the respective properties. (page 3 SM E) After learning the song, the students can write down the different properties of each state of matter in their science journal. The students can also draw a picture of each state of matter.

Daily Formative Assessment: The teacher can check the students work in their science journal.

FRIDAY

Daily Learning Target: Students can define solids, liquids, and gases and state properties for each of them.

Learning Tasks: The teacher can review the definition of solids, liquids, and gases and state properties for each of them. The teacher can then have a solid, liquid, and gas displayed in front of the class. The teacher can ask students how they an object is a solid. The students can write down the properties in their science journal. The same can be done for liquids and gases. Next, the students can read page 24 and answer the question about why water would not be good for a thermometer. Finally, the class can play a game in pairs or small groups where they match a solid, liquid, or gas to the correct definition.

Daily Formative Assessment: The teacher can give feedback on the students' work in their science journal.

Grade 2 – Science – Week 6	MATERIALS / RESOURCES
<p>pencil, science journal, examples of gas, liquid, and solid</p> <p>A – Solids Video - https://www.youtube.com/watch?v=aHvJ5v0zhoQ</p> <p>B – States of Matter Anchor Chart - http://littlemisshoodsadventuresinkindergart.blogspot.com/2013/07/states-of-matter.html</p> <p>C – What is the World Made Of? - https://www.amazon.com/What-World-Made-Lets-Read-Find-Out/dp/0062381954</p> <p>D - Solids, Liquids, and Gases Video - https://jr.brainpop.com/science/matter/solidliquidsandgases/</p> <p>E – State of Matter Song - http://www.mccracken.kyschools.us/Downloads/2%20NGSS%20UNIT%20Matter.pdf</p> <p>Additional Resources</p> <p>Describing Properties Poster - https://www.teacherspayteachers.com/Product/I-Can-Describe-Properties-Of-An-Object-901175?</p> <p>Properties Unit - https://www.sciencea-z.com/main/Download/resource/saz/id/1206/unitId/50/format/single</p> <p>Properties of Matter Resource Guide - http://www.mccracken.kyschools.us/Downloads/2%20NGSS%20UNIT%20Matter.pdf</p>	