

# GRASPS

## UNIT: MATTER

### SUBJECT: Science – Grades 4

#### ESSENTIAL QUESTION(s):

- What role does matter have in the universe?

G R A S P S	
Goal	<p><b>Goal:</b></p> <p>Create a story to explain the life of a water droplet in the water cycle to a primary student.</p>
Role	<p><b>Role:</b></p> <p>You are a water droplet that is a part of the ocean and are about to start your journey.</p> <p>Individual or Group Assignment (Based on student strength and needs).</p>
Audience	<p><b>Audience:</b></p> <p>The grade 2 class (Gr 2 Science - Water Cycle).</p>
Situation	<p><b>Situation:</b></p> <p>Create a story that depicts the experience of a water droplet as it changes state through various phase changes as part of the water cycle. Be sure to write from the point-of-view of a molecule.</p>

<b>Performance or Product</b>	<p><b>Performance or Product:</b></p> <p>You will tell your story (choose either to write it as a narrative, create a comic, create an iMovie or PowerPoint or use ShowMe with explanations, or record it orally). Whatever your chosen format, please provide an outline of the important factual information about the water cycle that you have included in your story.</p>
<b>Standards</b>	<p><b>Standards:</b></p> <p>Your story has to be factually accurate and to be told from the perspective of a water droplet.</p> <p>Include the names of the states of matter, name of all of the phase changes, and explanations of what is occurring in these states or phases from the molecular point of view.</p> <p>Criteria is written on left sidebar.</p>
<b>Differentiation</b>	<p><b>Differentiation:</b></p> <p>As per individual needs, students will be given a basic outline of the water cycle (including website and video links) that they can then further explain in their story. Students have a variety of options to select from to create their final product (as listed above).</p> <p>Extension: Students can choose a type of performance or product that extends their thinking (learning how to use iMovie or a different technological format).</p>



Extension: Students can predict the identity of the item and inquire into its properties (boiling point, melting point, freezing point).