

Episode 1

Strand 6.3	Standard 6.3.1	Big Idea Water is cycled through Earth's systems.
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Title Episode 1	Time 20–30 min	CCCs Patterns	Practices Obtain, evaluate, and communicate information.
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Phenomenon: *Water is found in all of Earth's systems.*

Gathering

Use Models to Gather Data and Information

To start the discussion on how water is cycled through the earth's systems, students will use their mental models to brainstorm a list of all the places water is found. Students will discuss their lists in groups or pairs and look for patterns.

Reasoning

Evaluate Information

Based on the patterns students have found, they can now classify their lists into groups. Possible classifications could be states of matter, regions where they are found, movement, etc. Students should be pressed to keep refining their classifications to simpler and simpler categories until they come to two categories: places where water is stored and where water moves.

Teacher support: In episode 2, students will learn that water is either being stored (reservoir) or is moving (transfer). This language will help students make sense of Earth's systems and develop a deeper model of the water cycle.

Communicating

Communicate Information

Students will write/draw briefly about how water is found in different states of matter and in a variety of locations.

Assessment: Students should identify locations where different states of matter can be found, such as glaciers, oceans, lakes, rivers, underground, clouds, and air.	Materials, resources, handouts, etc.
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