

Water

Grade 2

Big Idea

Water is essential to all living things, and it cycles through the environment.

Questions to support inquiry with students:

Why is water important for all living things?

How does water cycle through the environment?

Learning Standards: Content

- 1) water sources, including local watersheds
- 2) water - a limited resource
- 3) the water cycle

Content Elaborations

1) Oceans, lakes, rivers, wells, springs.

The majority of fresh water is stored underground and in glaciers.

2) Fresh water is not being replaced at the same rate it is being used.

3) The water cycle is driven by the sun and includes evaporation, condensation, precipitation and runoff. The water cycle is also a major component of weather (eg. precipitation, clouds).

Learning Standards: Curricular Competencies

Questioning and predicting

- ▶ Demonstrate curiosity and a sense of wonder about the world
- ▶ Observe objects and events in familiar contexts
- ▶ Ask questions about familiar objects and events
- ▶ Make simple predictions about familiar objects and events

Cycles are sequences or series of events that repeat/reoccur over time. A subset of pattern, cycles are looping or circular (cyclical) in nature. Cycles help scientists make predictions and hypotheses about the cyclical nature of the observable patterns.

- Key questions about cycles:
 - How do First Peoples use their knowledge of life cycles to ensure sustainability in their local environments?
 - How does the water cycle impact weather?

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