

QUILLS

Queen's University Indigenous Land-Based Learning STEM
Queen's University Biological Station

Minds On: What do We Know About Water?

Organization:

Title: Minds On: What Do We Know About Water?

Summary: Together, students determine what the topic of the Learning Bundle is and

brainstorm everything they already know about water.

Duration: 20 minutes

Learning Environment: Indoor classroom, online, outdoor classroom

Season: All Materials:

Minds On Statements.pdf

Student Outdoor Learning Journals

Chart paper

Markers

QUILLS online dictionary

Meta Data:

Content Type: Minds On Activity

Bundle: Water, IK

Theme: Indigenous Knowledge Systems, Biodiversity Crisis **Subject Area:** Biology, Environmental Education, Science

Curriculum Focus: 8

Students are each given a card with a phrase on it (Found in **Minds On Statements.pdf**). Students circulate and share phrases with one another. While circulating students try to figure out what the unit is about.

KWL

Brainstorm KWL Chart: Teacher records all the class knows about water- students can copy chart into their Outdoor Learning Journal (introduced in the Teacher's Guide). The journal will be used for reflection and notes throughout the unit particularly when the students are engaged in learning on the land.

Language Primer

- Students learn the Anishinaabemowin and Kanyen'kéha words for water and add words to their Outdoor Learning Journal (introduced in the Teacher's Guide). Students can hear words on the QUILLS online dictionary (accessible through the QUILLS website). Words can be listened to whenever necessary as a refresher.
 - Anishinaabemowin Nibi
 - Kanyen'kéha Ohneka'shon:a