

Grade 2 Teacher Resource- The Life of a Water Drop

Curricular Outcome: Science 2 “Water is essential to all living things, and it cycles through the environment.”

Core Concepts:

Water moves continuously through the environment in a cycle.

Water changes form and location.

Living things connect with the environment through the water cycle.

All living things need water to survive.

Beringia’s ecosystems have been shaped by water.

Learning Outcomes:

Students will:

Identify the stages of the water cycle represented in Beringia.

Sequence the journey of a water droplet moving through the cycle.

Learn that water changes form and moves between different parts of nature.

Describe why water is important for living species.

Create a narrative showcasing the continuous movement of water.

Big Questions:

Where does water go after it falls as snow?

How does water move through the Beringian environment?

Why is water important for plants, animals, and people?

Can water’s journey ever truly end?

How are glaciers, rivers, plants, animals, and clouds connected by water?

Main Activity:

Students will pretend they are one tiny drop of water living in Beringia. The classroom will be set up with stations that represent different stages of the water cycle. At each station,

there will be information on what happens throughout that stage. Students will physically walk from station to station, simulating travelling through the different states. We also recommend students go through the cycle more than once to show that the cycle repeats itself and does not have a start point or end point. At each station, students will complete an action to act out what water does in the cycle.

Following student completion of the stations, engage in a class discussion.

Is there a start or end to the cycle? Could you start somewhere else next time?

Which station was your favourite?

Which stations were living things?

Which were nonliving things?

Why is every station important for the water cycle?

Students will complete a worksheet where they can document their journey as a water drop!