EXPERIENCE COMPANION · AGES 8–14

Ride a lock

Name _____

Date _____

Ride a lock at the Soo (Sault Ste. Marie), on the Welland Canal, or on the St. Lawrence Seaway. Record each step, then explain how it works.

Open it: inthelakes.ca/#lock=soo · About 20–30 minutes

Which lock did you ride?

◯ Poe Lock, the Soo ◯ Lock 3, Welland Canal ◯ Eisenhower Lock, the Seaway

1 Step by step

Write what happens at each step.

Step	What happens
1 Tied up	
2 Filling	
3 Level	
4 Gates open	
5 Through	

Your numbers, from the screen:

What	My number
Lift (metres and feet)	
Lower level	
Upper level	

> The Soo's lift comes from live gauges, so it changes from day to day. The Welland and Eisenhower lifts in this ride are fixed.

Draw a lock from the side, with the ship, both gates, and the water filling from below. Use arrows to show where the water comes from.

❷ In your own words

The water fills the lock with no pumps at all. How? Where does the water come from?

GOING FURTHER

The Welland Canal's eight locks lift ships about 99 m around Niagara Falls. If each lock lifts about 14 m, about how many locks would you need? Show your thinking.