

# Flow Factor

## Indoor/Outdoor Activity

**Curriculum: literacy, science**



Watch this 13.5 minute clip from Kananaskis Country's Interpretive Show, [Flow Factor](#), to learn more about water quality from Mountain Goat, Professor Pollution and Sponge Bog. Entire show runs 45 minutes or cue to specific segment from 18:50-32:01.

## Learning Extension – Neighbourhood Map

**Materials:** paper, pencil

### Instructions:

- Go outside and walk through your neighbourhood.
- Your goal is to create a map of your neighbourhood identifying and labelling any possible sources of water contaminants (e.g. car leaking oil) and possible water filters (think plants).
- If you are not sure what to look for, think of anything that water might dissolve and/or carry with it to the sewer. Look at your neighbourhood houses, yards, driveways, streets, green spaces/parks and the various types of businesses and recreation that occur there.
- Keep it simple. No need to worry about scale.
- On the back of your map answer the following questions:
  - Based on your observations, what is the main potential source of water contamination in your neighbourhood?
  - How could you and your family help to protect water quality in your neighbourhood?

## Learning Extension - Participate in Alberta Water Quality Awareness Day

Monitor and learn more about the water quality in your local waterway by participating in the [Alberta Water Quality Awareness Day](#) (AWQA). Participants use water quality testing kits to get outside to monitor surface water bodies for temperature, dissolved oxygen, pH and turbidity. Test kits can be used to test any stream, lake, river, wetland, dugout, pond, slough or other surface waterbody in Alberta. Results are submitted to a watershed map and online database that supports providing a province-wide snapshot of water quality. For more information, and to order a kit, visit the [AWQA](#) website.