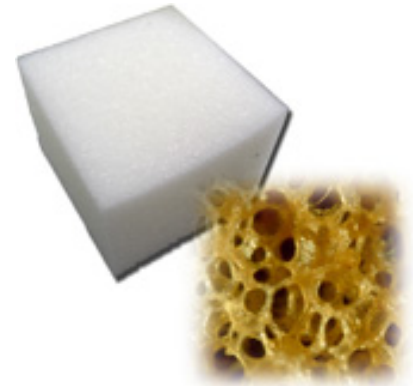




## curriculum links

### Grade 5:

- Physical Education  
*Fundamental Movement Skills*



## overview

In this activity students discover how basic water treatment works and how treatment systems can help minimize the impact of human activities on the health of a watershed. The students see a model of the Waterloo Biofilter system that can be used for treating household wastewater, and play an active game that simulates the filtration process in a fun way.

## grade 5 expectations

### Fundamental Movement Skills

#### Overall Expectations

- Perform the movement skills required to participate in games/out-door pursuits alone and with others;
- Demonstrate the principles of movement while refining their movement skills.

#### Specific Expectations

##### *Locomotion/Traveling Skills*

- Perform a combination of locomotion/traveling movements, incorporating a variety of speeds, in relationship to objects or others.

##### *Manipulation Skills*

- Use a piece of equipment (filter) to send and receive an object to a partner or a target (filters/tagging).

##### *Stability Skills*

- Perform a sequence of movements;
- Transfer body weight in a variety of ways, using changes in direction and speed (tag, running around to try escape 'filter')



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# Waterloo Biofilter



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## Key Terms

**Wastewater:** water that has been used, sewage.

**Biofiltration:** a process where natural materials will breakdown pollutants.

**Aerate:** to inject air into soil or liquids.

