

## Building a Watershed Model

<b>Ask</b>	How will water flow when it rains?
<b>Research</b>	Record your research here:
<b>Imagine</b>	Imagine your model watershed here in words or illustrations:

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<b>Plan</b>	<p>Design your plan and gather these materials:</p> <ul style="list-style-type: none"><li>• cookie sheet/ pan or aluminum pie sheet</li><li>• plastic wrap or clear garbage bag</li><li>• spray bottle or watering can</li><li>• masking tapes (or another type of tape)</li><li>• food colouring or sprinkles</li><li>• paper or modelling clay / rocks</li><li>• water</li><li>• markers</li><li>• sponges</li></ul>
<b>Create</b>	<p>Be sure to set up your water table before you begin.</p>
<b>Test</b>	<ol style="list-style-type: none"><li>1. Scrunch up a piece of paper or use modelling clay / rocks to create and mimic a natural landscape (e.g., you may want to include peaks and low spots in your land to simulate mountains and rivers).</li><li>2. Write a prediction in the box below to explain how you think the water will flow.</li><li>3. Using the markers, colour in the following areas in different colours. Be sure to choose areas on your crumpled paper that you think represent each of the following.<ol style="list-style-type: none"><li>a. Lakes / rivers</li><li>b. An industrial area (factories)</li><li>c. A city / town</li></ol></li><li>4. Spray the model with water and observe where the water goes. Record your observations below.</li></ol>

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<b>Improve</b>	<ul style="list-style-type: none"><li>• Where did the water go?</li><li>• What happened with the various colours?</li><li>• What do you think this represents?</li></ul>
<b>Communicate</b>	Communicate what you have learned or discovered: