



Instructional Objective(s):

Students will be able to:

1. State the watershed(s) in the area and explain why it is important.
2. Show how the watershed connects their town to others in the area/region.

Prerequisite Concepts and Skills:

Vocabulary

Watershed, precipitation, stream flow (these words to be taught in context during the lesson)

Materials and Resources

Sandbox, pitcher of water, 1-2 large ice cubes (teacher provided)

Procedure 5.1 (NPS provided)

Interactive online watershed map

<http://www.arcgis.com/apps/OnePane/basicviewer/index.html?appid=387531ac0c094da5b6139b890958fca6>

Worksheet 5.1 – Watershed map handout (NPS provided master copy)

Colored pencils, crayons, or thin-tip markers for tracking watershed (teacher provided)

Procedure 5.2 (NPS provided)

Lesson Activities: 40 min

Teacher Activities	Student Activities	Time:
Introduction: 1. Demonstrate the power of water using a sandbox, water, and ice cubes. See procedure 5.1.	1. Observe the demonstration and write at least three sentences to explain observations.	10 min
New Content: 1. The snow that accumulates up in the mountains eventually melts and flows into the local watershed. Trace several local watersheds on interactive online	1. Follow along. 2. Copy watershed to individual worksheet.	10 min 10 min

<p>map to show students where water ends up (<i>see materials and resources section for the link</i>). What would happen if the precipitation that normally falls as snow was rain instead? <i>Snow is a natural water reservoir. As long as temperatures remain cold, the snow will stay and release slowly over time. The slow release does more for the stream flow and than a large runoff event happening all at once.</i></p> <p>2. Trace watershed from Thousand Island Lake and Owens River using worksheet 5.1. Have students follow along marking on their own maps. See procedure 5.2 for a model of how students should mark the maps.</p>		
<p>Wrap-up: 1. Exit ticket question: Describe the ways in which snow can impact the watershed.</p>	<p>1. Quick write.</p>	<p>5 min</p>

Organizational and/or Behavioral Management Strategies:

Assessment and Evaluation:

Extensions:

Adaptations:

Teacher Reflections: