

# Learning Activity Template

Title: Dams and Deltas

Curriculum: Science

Grade-Level Span: Middle School

**PURPOSE:**

To understand the process of scientific investigations and describe how features of the Earth’s surface are created and constantly changing through a combination of slow and rapid processes.

**DESCRIPTION:**

8th grade students use a digital camera to make video clips of themselves completing “Building a Stream Table: Lab 1” and “Dams and Deltas: Lab 3”. They will edit these video clips to create an instructional PowerPoint on how to complete “Building a Stream Table: Lab 1” and “Dams and Deltas: Lab 3”. The 5<sup>th</sup> grade students will watch this PowerPoint and use it to help them complete “Building a Stream Table: Lab 1” and “Dams and Deltas: Lab 3”.

ACTIVITIES	CURRICULUM STANDARDS	NETS PERFORMANCE INDICATORS
Students (grade 8) make video clips of themselves completing “Building a Stream Table: Lab 1”.	8.III.A	1,2,3
Students (grade 8) make video clips of themselves completing “Dams and Deltas: Lab 3”.	8.III.A	1,2,3
Students (grade 8) edit video clips to create instruction PowerPoint on how to complete “Building a Stream Table: Lab 1” and “Dams and Deltas: Lab 3”.	8.III.A	1,2,3,4
Students (grade 5) view instructional PowerPoint	5.I.B, 5.III.A	5
Students (grade 5) use instructional PowerPoint to guide them in completing “Building a Stream Table: Lab1” and “Dams and Deltas: Lab 3”.	5.I.B, 5.III.A	5,6

**TOOLS AND RESOURCES:**

(List all Web sites, specific software and hardware, and other needs.)  
 “Building a Stream Table: Lab 1” (see Lab’s materials list), “Dams and Deltas: Lab 3” (see Lab’s materials list), digital camera, digital editing software (we use the software that came with the digital camera), PowerPoint.

**ASSESSMENT:**

(How will you assess the students’ learning? If you have a rubric, record it here. Be as specific as possible.)

Instructional PowerPoint Ruberic

- Each student appears on video at least once.
- Each student films at least one step.
- Each student is responsible for the slide corresponding to the video they shot.
- Video clip needs to be clear and understandable.
- The slide and video clip need to explain the corresponding step in the Lab.
- The slides need to be in chronological order.
- The completed PowerPoint presentation needs to explain how to complete the Labs.

**CREDITS (INCLUDING CONTACT INFORMATION):**

(Record the names and e-mail addresses, if possible, of those who contributed to the development of this learning activity.)

Fond du Lac Ojibwe Schools

Sharon Belanger – [sharonbelanger@fdlrez.com](mailto:sharonbelanger@fdlrez.com)

Leslie Hoffman – [lesliehoffman@fdlrez.com](mailto:lesliehoffman@fdlrez.com)

Jan Koivisto – [jankoivisto@fdlrez.com](mailto:jankoivisto@fdlrez.com)

**COMMENTS:**

(Have you taught this learning activity before? What are the great ah ha's/experiences you had?)

The 8<sup>th</sup> graders have done the stream table labs without the digital camera. They love playing with the stream table, creating different types of streams and flood plains. They have used the digital camera with other activities. Many students like to act in front of the camera.

---

Used with permission of the International Society for Technology in Education (ISTE) National Educational Technology Standards (NETS) Project  
(<http://www.iste.org> or <http://cnets.iste.org>) Contact: Lajeane Thomas, Louisiana Tech University, P.O. Box 3161, Ruston, LA 71272; Voice: 318 257-3923 Email: [lthomas@latech.edu](mailto:lthomas@latech.edu)