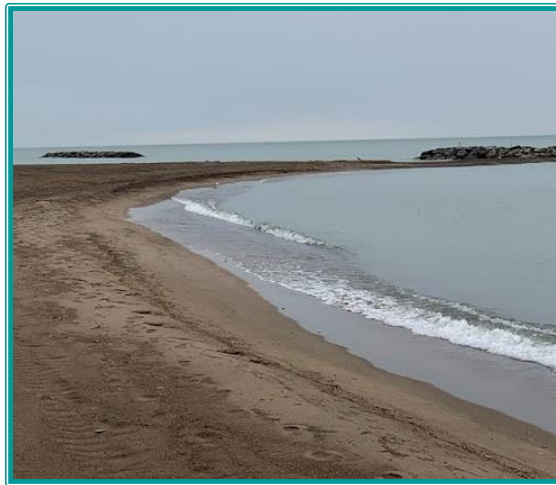


Erosion

A Regional Science Consortium
Education Initiative



Subject: Science

Grades: 3-12

Number of Participants: 20

Regional Science Consortium

Erosion

This lesson incorporates an informative PowerPoint lecture and hands-on activity to introduce students to the important role of erosion in our environment, the challenges it creates, and mitigation efforts that are utilized at Presque Isle State Park and other locations.

Supply List

In this lesson:

- Digital copies of materials available at www.RegSciConsort.com
 - Erosion lesson (ppt)
 - Erosion lesson (mp4)
 - Educational video
 - Paperwork
 - Introduction (pdf)
 - Vocabulary (pdf)
 - Activity instructions (pdf)
 - Student worksheet (pdf)
 - Teacher guide (pdf)
 - Skype with a Scientist discussion points (pdf)
- Activity materials
 - 20 plastic troughs
 - Rocks
 - Gravel
 - Sand
 - 20 plastic beakers
 - 20 plastic trays

Component	Length
Lesson	9:25
Video	3:36
Activity	15-20 min
Worksheet	
Skype with a Scientist session	15 min

Provided by educator:

- Water source

Goal

After completing this lesson, students will have gained a detailed understanding of erosional processes and their role at Presque Isle State Park. Students will utilize their understanding to complete a hands-on erosion mitigation activity and accompanying worksheet.

Additional Resources

Related RSC Lessons:

- Buoy and Weather
- Rocks and Minerals

Citizen Science Programs:

- Local Environmental Observer Network
 - <https://www.citizenscience.gov/catalog/17/#>

Pennsylvania Academic Standards

Grade 3	Grade 4	Grade 6	Grade 7	Grade 9	Grade 10	Grade 12
7.1.3. A, B	3.1.4. C, E	7.1.6. B	3.1.7. A, C, E	7.1.9. B	3.1.10. C, E	3.1.12. C
7.2.3. A, B	3.2.4. A, B, C, D	7.2.6. B	3.2.7. C	7.2.9. A, B	3.2.10. B, C	3.2.12. C
7.4.3. A, B	3.4.4. A	7.4.6. B	3.5.7. A, D	7.4.9. B	3.5.10. A,B	3.5.12. A
	3.5.4. A				3.6.10. C	3.6.12. C
	3.7.4. A				3.8.10. A	7.1.12. A, B
						7.2.12. A, B
						7.4.12. B