

Make Your Own Sifting Screen

Topic: Anthropology
Subtopic: Archaeology
Type: Activity
Level: for grades Kindergarten and up
Time: Less than a week
Origin: Petra

Keywords:
Antiquities--Collection and preservation • Archaeology--
Field work • Scientific apparatus and instruments •
sifting screens

MORE ABOUT THIS RESOURCE

This activity is a supplement to the Petra Educator's Guide. Here, students construct a sifting screen and look for artifacts. It includes:

Lead Question: What possible artifacts might we find in our environment?

- list of required materials and instructions for constructing the screens
- step-by-step directions
- do's and don'ts when digging

STANDARDS

National Science Education Standards

Grades K-4:

Science as Inquiry CONTENT STANDARD A:

- abilities necessary to do scientific inquiry

Physical Science CONTENT STANDARD B:

- properties of objects and materials

Earth and Space Science CONTENT STANDARD D:

- properties of earth materials

Science and Technology CONTENT STANDARD E:

- abilities of technological design
- understanding about science and technology

History and Nature of Science CONTENT STANDARD G:

- science as a human endeavor

Grades 5-8:

Science as Inquiry CONTENT STANDARD A:

- abilities necessary to do scientific inquiry

Physical Science CONTENT STANDARD B:

- properties and changes of properties in matter

Science and Technology CONTENT STANDARD E:

- abilities of technological design
- understandings about science and technology

History and Nature of Science CONTENT STANDARD G:

- science as a human endeavor

Grades 9-12:

Science as Inquiry CONTENT STANDARD A:

- abilities necessary to do scientific inquiry

Science and Technology CONTENT STANDARD E:

- abilities of technological design
- understandings about science and technology

History and Nature of Science CONTENT STANDARD G:

- science as a human endeavor

Michigan Framework for Social Studies Education

Strand 5 – Inquiry

- **Standard 5.2 – (Conducting Investigations)** – Students will conduct investigations by formulating a clear statement of a question, gathering and organizing information from a variety of sources, analyzing and interpreting information, formulating and testing hypotheses, reporting results both orally and in writing, and making use of appropriate technology.
 - **Benchmark 5.2.2 – (Early Elementary)** – Gather and analyze information in order to answer the question posed.
 - **Benchmark 5.2.3 – (Early Elementary)** – Construct answers to the questions posed and support the answer with evidence.
 - **Benchmark 5.2.7 – (Later Elementary)** – Construct an answer to the question posed and support it with evidence

- **Benchmark 5.2.8 – (Later Elementary)** – Report the results of their investigation including the procedures followed.
- **Benchmark 5.2.11 – (Middle School)** – Construct answers to the questions posed and support their answers with evidence.
- **Benchmark 5.2.14 – (High School)** – Report the results of their investigation including procedures followed and a rationale for their conclusions.