

LESSON: Photographing a Math Problem**GRADE: 2****OBJECTIVES:**

Students will:

- Design a math problem
- Photograph the junk they collected in “Beginning Playground Pickup” to illustrate their math problem
- Become more aware of shapes in trash and our surroundings

MATERIALS:

Digital cameras or disposable cameras, paper, pencils glue sticks, an outdoor area for photographing the trash they collected

PRESENTATION:

Explain that today we’ll be making a math problem with items they collected during “Beginning Playground Pickup.” Remind the kids about the categories they sorted their trash into, i.e. what shapes to look for (i.e. glass, plastic, paper, food, etc.) Ask students to be thinking of a math problem, (example 7 items minus 2 pieces of glass =5 items.). Demonstrate how to use the camera to take a picture of the items that will be in their math problem.

DIRECTIONS:

1. Have students work with partners or in a small group to share cameras. If possible, have an extra adult with each group. Students will photograph examples of their trash items, keeping in mind how many they need for their math problem.
2. Once inside, have them write their problem on a large sheet of paper.
3. Print photos, and have students glue them to their large paper to illustrate their math problem.
4. Have students share their completed work with class.

TIME: 45-60 minutes**PROCESSING THROUGH THE SIX PILLARS:****WHAT:**

- Did your team work well together?

SO WHAT

- What responsibilities did everyone have to make this work?
- Did everyone have a chance to help on the math problem?

NOW WHAT:

- How does sharing the responsibility help to solve the problem?