

3D SHAPE HUNT



Time: approximately 60 minutes (can be divided into smaller blocks of time)

Instructional Goals:

- The student will be introduced to and become familiar with three-dimensional shapes and their names.
- The student will recognize three-dimensional shapes in the real world.

Integrated Content Standards:

- AASL Standards Framework for Learners (<http://standards.aasl.org/wp-content/uploads/2017/11/AASL-Learner-Framework-Spread.pdf>)
- Common Core English Language Arts/Literacy Standards (www.corestandards.org/ELA-Literacy/)
- Common Core Math Standards (<http://www.corestandards.org/Math/>)
- National Educational Technology Standards for Students (<https://www.iste.org/standards/for-students>)
- NCTE/IRA Standards for English Language Arts (www.ncte.org/standards/ncte-ira)

Materials/Resources:

- **PebbleGo Science** online database
- **3D Shape Hunt Notes handout**—either with shape names or blank, one copy for each student or pair of students
- **3D Shape and/or Shape Name Cutouts**—one copy for each student or pair of students, if desired (Note: There are several cutout options to help with scaffolding for students.)
- scissors
- glue
- device with digital camera
- timer, if desired
- prizes, if desired

Procedures/Lesson Activities:

Focus

1. Tell students they will be going on a timed digital scavenger hunt for three-dimensional shapes. For the scavenger hunt, they will need to take pictures of three-dimensional shapes around the classroom and school. Each picture where they can correctly name the three-dimensional shape will earn them one point. If students can earn prizes for their work, explain the prizes. (Prizes might include lunch with the teacher or choosing the day's story for read aloud time.)
2. Ask students what they already know about three-dimensional shapes. Record and post their answers for later reference.

Guided Practice



3. Give each student or pair of students a **3D Shape Hunt Notes** **handout** and the appropriate **3D Shape and/or Shape Name Cutouts**.
4. Tell students they will complete the **3D Shape Hunt Notes** to help them during their digital scavenger hunt.
5. Demonstrate how to navigate to the PebbleGo Science database's 3D Shapes articles. Show students how to listen to the information and look at the pictures in the database to complete the **3D Shape Hunt Notes**.

Independent Practice

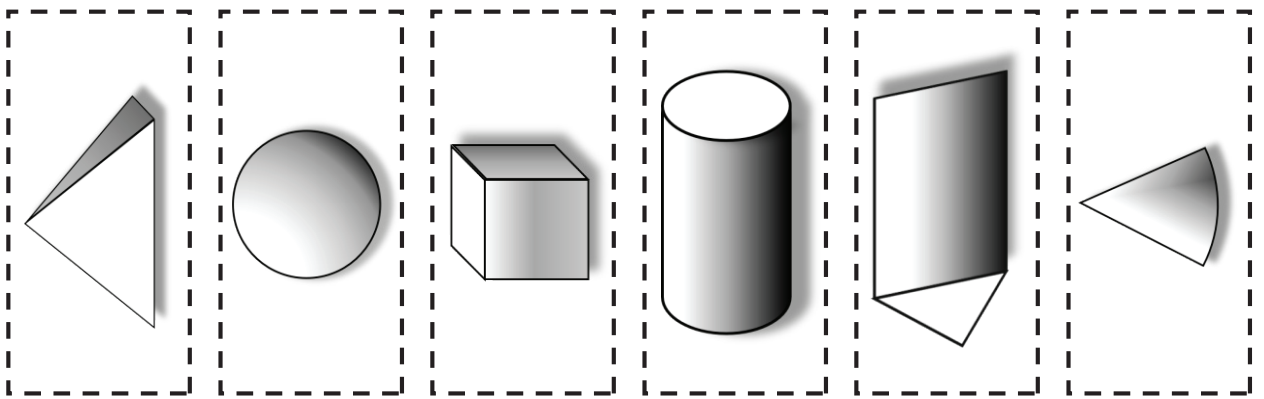
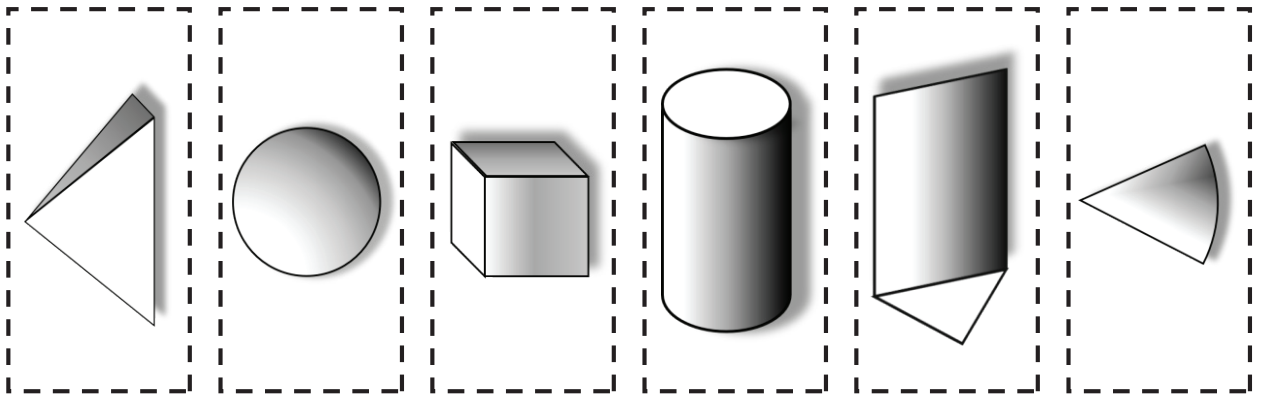
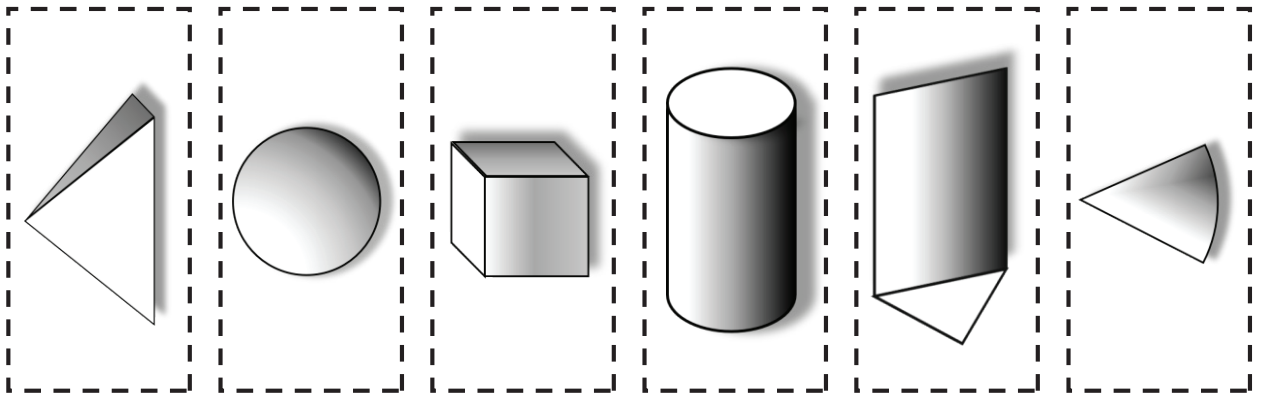
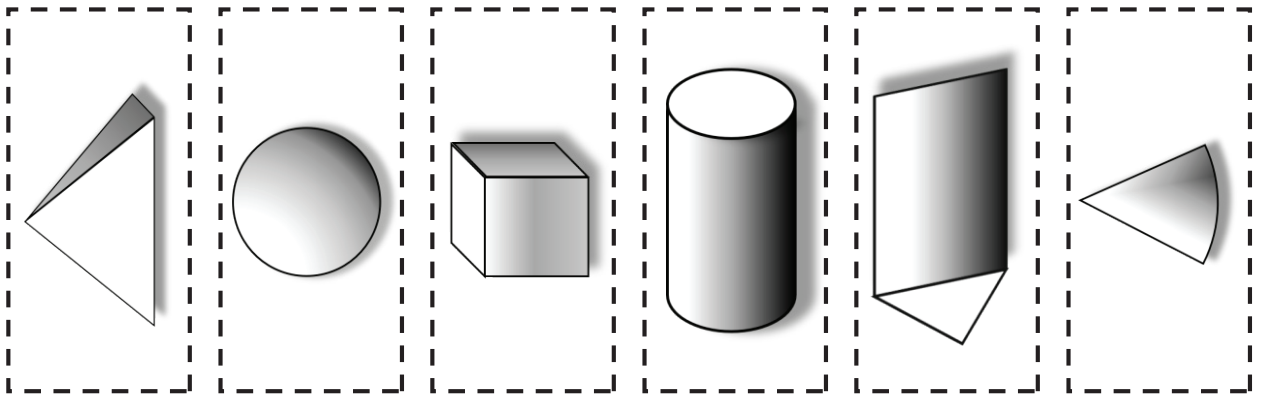
6. Allow students time to complete the **3D Shape Hunt Notes**.
7. Divide students into groups for the scavenger hunt so that each group has the allotted time with a device for taking their shape pictures.
8. Remind students to use their **3D Shape Hunt Notes** to help them identify the shapes around the classroom and in the school.
9. Tell students how you will score their pictures and award points. Explain how much time they have for their digital scavenger hunt.
10. Explain the rules for the digital scavenger hunt, such as behavior expectations and boundaries for hunting.
11. Show students how to use the camera on their devices. If desired, show them how to label their pictures with the shape names. (Students might hold signs or labels in their pictures, or they might use the device's photo editor to label the pictures.)
12. Have students complete the digital scavenger hunt.

Closure

13. After the scavenger hunt, have students review their list from Focus activity 2. Label the list with their original accuracies and misconceptions about three-dimensional shapes. Add information they learned about three-dimensional shapes during the lesson. Discuss how they built on their knowledge by reading for more information and examining the shapes in the world around them.

Extend/Enrich

- Have students create a slide presentation or video about three-dimensional shapes.



3D Shape Cut Outs

3D Shape Name Cut Outs

cone

cube

cylinder

prism

pyramid

sphere

cone

cube

cylinder

prism

pyramid

sphere

cone

cube

cylinder

prism

pyramid

sphere

cone

cube

cylinder

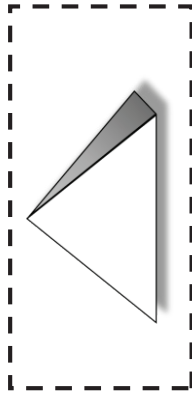
prism

pyramid

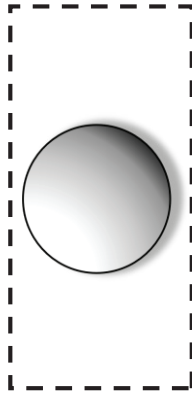
sphere

3D Shape and Shape Name Cut Outs

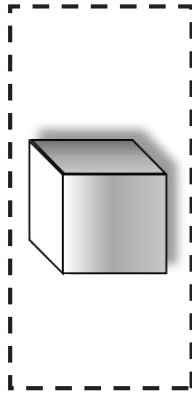
cone



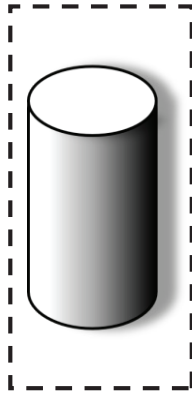
cube



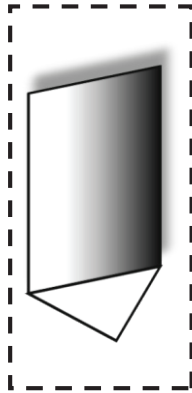
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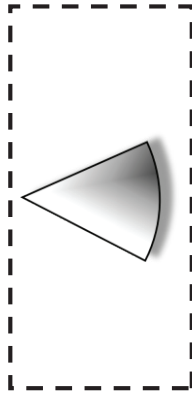
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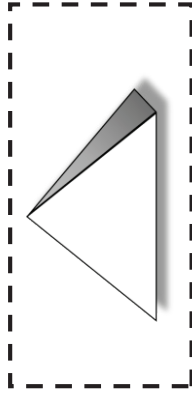
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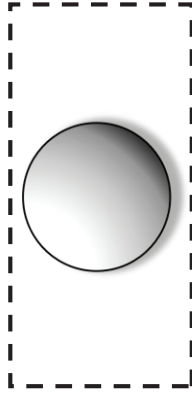
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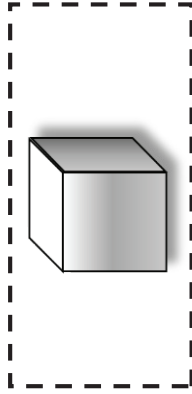
cone



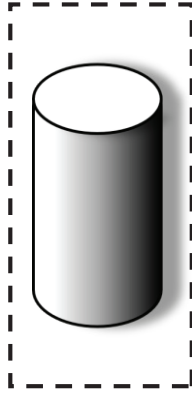
cube



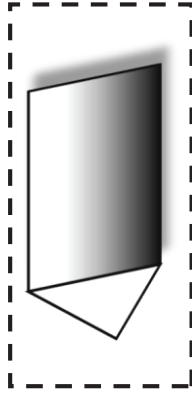
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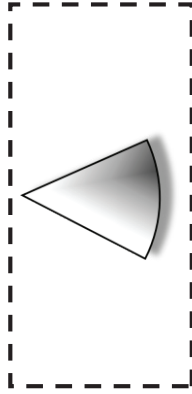
prism



pyramid



sphere



Name: _____

3D Shape Hunt Notes

Shape Name	Picture	Real World Examples

Name: _____

3D Shape Hunt Notes

Shape Name	Picture	Real World Examples
cone		
cube		
cylinder		
prism		
pyramid		
sphere		