

**Teacher Lesson Plans Downloadable
Science Box/**

Title: What is Work?

Definition: Work occurs when force is applied to an object and the object moves/stops.

Subject: Social Studies, Science Movement

Grade Level: 3rd

Created by: Laura McNulty, Gifted and Talented teacher with the Pine Bluff School District

Objective: After completing four stations, students will be able to define work. They will also be able to give two examples of what work is and two examples of what work isn't.

Materials:

Science journal/learning log

Four pieces of tagboard with instruction on them. Two are examples of work. Two are not examples of work.

I've used these: (You can change if these won't work for you).

1. Push against the wall with your hand.
2. Hold two books for 10 seconds.
3. Push the chair across the floor.
4. Lift a light object three times.

Procedure:

1. Start off by telling students that they will learn what work is. Ask them if any of them know what work is. Record their answers on the board/chart paper.
2. Demonstrate the four stations and divide the students into four groups. (Don't tell them which stations are work and which ones aren't work!) (FYI Station No. 3 and No. 4 are examples of work.) Tell them that after doing these four stations, they will have a better idea of what work is. Have the students do each activity. Have them discuss with their group if they think they are doing work or not.
3. When all groups have had a chance to do all stations, bring the class back for discussion. Have them share their findings. Give them a hint that two of the stations are examples of work and the other two aren't work. Hopefully through your guidance and questioning the students will develop a decent definition of work.
4. Write the definition of work on chart paper. Have the students tell you which stations are examples of work and which ones aren't. Write these on the chart, too.

Evaluation

Students can write their findings in a science journal/learning log.

The Arts & Science Center for Southeast Arkansas, located at 701 Main St. in Pine Bluff, is open 10 a.m. to 5 p.m. Monday through Friday, 1-4 p.m. Saturday and closed on Sunday. Support for the center is provided in part by the Arkansas Arts Council, an agency of the Department of Arkansas Heritage, and the National Endowment for the Arts. For more information, contact the center at (870) 536-3375 or visit the website at www.artssciencecenter.org.