

Project FOCUS
Best Lessons
FOURTH GRADE

Title of Lesson: Forces and Motion Review Jeopardy Game

Theme: Physical Science

Unit Number: [Click here to enter text.](#)

Unit Title: Force, Motion, & Simple Machines

Performance Standard(s) Covered (enter code):

S4CS2. Students will have the computation and estimation skills necessary for analyzing data and following scientific explanations.

S4CS4. Students will use ideas of system, model, change, and scale in exploring scientific and technological matters.

S4P3. Students will demonstrate the relationship between the application of a force and the resulting change in position and motion on an object.

[Click here to enter text.](#)

Enduring Standards (objectives of activity):

Habits of Mind

- Asks questions
- Uses numbers to quantify
- Works in a group
- Uses tools to measure and view
- Looks at how parts of things are needed
- Describes and compares using physical attributes
- Observes using senses
- Draws and describes observations

Content (key terms and topics covered):

This jeopardy game covered the basic topics of Force and Motion. It focused on various vocabulary words such as speed, velocity, acceleration, friction, gravity, motion.

Learning Activity (description in steps)

Abstract (limit 100 characters): Students will understand the basic vocabulary and concepts of Force and Motion and be able to use it as a review for their test.

Details: I put together the jeopardy game using questions and vocabulary words from the chapter. The template was found online and so all I had to do was insert the headings, titles, questions, and answers. I chose 3 main topics to cover and then had a "Surprise" column which included a mixture of concepts. I utilized the review questions in the book because those are formulated to challenge the students' minds and allow them to grasp the important aspects of the chapter. I made an "Example" column to trigger their minds and let them come up with valid examples using a combination of vocabulary words. Each student was given a chance to answer the question. If they answered incorrect, then, the question went to the opposite team.

This review game was a way for the students to understand the material before their test. It helped them understand the concept through vivid examples and comparisons. Students were able to learn the differences of the words that were somewhat similar in context. They worked well with peers to "win" against the other team by discussing what they knew about the question and the material covered.

Materials Needed (type and quantity): Jeopardy template; 4th grade Science book (or any other grade level); two teams; SmartBoard or projector.

Notes and Tips (general changes, alternative methods, cautions): When I played this game with my students, I divided them up boys vs. girls. This was definitely not a good idea because the game became way too competitive. Also, the wonderful thing about jeopardy is that you can utilize it in any way you would like. For K-2, I would work with pictures rather than text because the students have not yet reached that level. The classroom can get quite loud, so it is best to inform them of directions before hand.

Sources/References:

- 1) <http://www.edtechnetwork.com/powerpoint.html>
- 2) 4th Grade Science Book