

**Project FOCUS
Best Lessons
KINDERGARTEN**

Title of Lesson: The Great Force of Gravity

Theme: Physical Science

Unit Number: 2 **Unit Title:** Motion, Movement and Gravity

Performance Standard(s) Covered (enter codes):

SKP3

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):

Gravity

Learning Activity (Description in Steps)

Abstract (limit 100 characters): Students will learn and visualize the force of gravity.

Details: Start out the lesson by asking the children some simple questions about why objects fall to the ground. Do a small demonstration with the book. Hold the book in the air and ask the children to predict what will happen when you let go of it. They are going to say that it will fall, but now ask them why the book fell. Repeat the demonstration explaining that the force Earth's gravity is pulling the book towards its center. Cut a rubber band so that it is a single long piece. Having cut the rubber band, tie one end of it to the handle of the milk jug. Tape the free end of the rubber band to the table. In groups of five, add marbles to the jug. As you add more and more marbles to the jug, you will see the rubber band begin to stretch to show the effects of gravity pulling the milkjug down.

Materials Needed (Type and Quantity):

Marbles

Milk jug

Rubber band

Tape

Book

Notes and Tips (suggested changes, alternative methods, cautions):

Sources/References:

- 1)
- 2)
- 3)