

**Project FOCUS  
Best Lessons  
KINDERGARTEN**

**Title of Lesson: Blastoff into Space: Balloon Rocket**

**Theme: Earth/Space Science**

**Unit Number: 3      Unit Title: Space, Time and Gravity**

**Performance Standard(s) Covered (enter codes):**

SKCS4

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):**

Space, how rockets travel

**Learning Activity (Description in Steps)**

**Abstract (limit 100 characters):** Students learn how astronauts explore space and how a rocket ship works.

**Details:** Position two chairs across from each other about two feet apart. Tie one end of the string to the chair. Pull the other end of the string through the straw. Pull the string tight and tie the other end to the other chair. Blow up the balloon and hold the end tight but don't tie it. Pinch the end of the balloon and tape it to the straw horizontally. Countdown together with the children and release the balloon and watch the rocket fly.

**Materials Needed (Type and Quantity):**

1 balloon (round ones will work, but longer "airship" balloons work best)

1 long piece of kite string (about 10-15 feet long)

1 plastic straw

Tape

Two chairs

Scissors

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

**This experiment works best in the open air- preferably the hall.**

**Sources/References:**

- 1)
- 2)
- 3)