



## Science Fair Projects

Pre-K to 2<sup>nd</sup> Grade

<b><u>Air (expanding warm air)</u></b>
<b>Purpose</b> To make a coin dance on the top of a bottle as if a ghost were pushing on it.
<b>Materials</b> Empty glass soft-drink bottle and a coin.
<b>Experiment</b> Wet the rim of an empty bottle and one side of the coin.  Place the wet side of the coin on the rim of the bottle.  Hold the bottle with your warm hands. Watch closely!  What happened to the coin? _____  What happened to the temperature of the air in the bottle when you put your hands around the bottle? _____  _____
<b>Results:</b> Your warm hands heated the cool air in the bottle. The air expanded and tried to escape. It pushed on the coin and made it dance.

This project is from Daryl Vriesenga's book, *Science Fair Projects, Grades 1-3*, Michigan, Schaffer Publications, 1992. The Guide is available on line at: [SchooDoodle.com](http://SchooDoodle.com)