# Tornado Pressure Lesson

## Grade: 6-8

## 7.1.1

<table>
<thead>
<tr>
<th><strong>OVERVIEW</strong></th>
<th>The purpose of this lesson plan is to let the students learn and see how intense tornadoes pressure can be.</th>
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<tbody>
<tr>
<td><strong>OBJECTIVES</strong></td>
<td>The students will be able to work with different objects, and group members to get a feel of how intense tornadoes can be, causing us to take safety when we have a real tornado.</td>
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| **MATERIALS** | Each group will need the following materials:  
- Glass bottle with a long, narrow neck (an apple cider jug works well)  
- Hard-boiled egg  
- Matches  
- Paper |
| **PROCEDURE** | 1. Have the students watch a video on YouTube [http://www.youtube.com/watch?v=_JBOX116Pzw](http://www.youtube.com/watch?v=_JBOX116Pzw) to understand what is being asked of them, and how to do the experiment.  
2. Get all the materials needed for the students, having them already placed on their desks. All materials being (bottle, egg, and paper)  
3. Have the students peel their hard-boiled egg.  
4. The teacher will be the only person working with the matches, going around to each group and lighting, and dropping the paper into the bottle for them.  
5. Students quickly drop the egg into the jar.  
6. Observe what happens to the egg and flame.  
7. Have the students then turn the bottle upside down and see how the egg does not want to come out of the bottle.  
8. Have the students shake as much of the paper as they can out of the bottle.  
9. Have students blow quickly into bottle and watch egg fall out.  
10. Clean up all materials  
11. Have the students log into Mindmeister [https://wiki.itap.purdue.edu/display/INSITE/Mindmeister](https://wiki.itap.purdue.edu/display/INSITE/Mindmeister) and make a graph of the steps they took to perform this experiment.  
12. Print off their Mindmeister graph. |
| **EVALUATION** | The teacher can evaluate the students by they way they worked as a group to perform this experiment. The students will also be graded on their graph they made and printed off on Mindmeister to show the steps they took. |

http://www.weatherwizkids.com/experiments-egg-bottle.htm