Super Safety Scientists: Vanquishing Danger One Disaster at a Time

Background
Your safety and the safety of every individual in this classroom, and building are the most important considerations when conducting a lab. This week we are going to be Super Safety Scientists and work to keep everyone safe!

Prelab Questions
1. What does *vanquish* mean?

2. How do you feel about safety? Why?

3. Is there an activity that you do that you need special equipment to keep you safe? Explain the activity and the equipment needed.

Objective
How can we stay safe during a lab?

Procedure
1. Watch a superhero video with your class.
2. After watching the video with your teacher fill in the t-chart with your group.

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Purpose</th>
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<tbody>
<tr>
<td>Example: <em>Shield</em></td>
<td><em>A shield protects you from any object that might hit you</em></td>
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3. Watch a lab disaster video with your class.
4. List three questions below that we need to ask to stay safe in a lab setting.
   
   a.
   
   b.
   
   c.
5. Read the safety article provided by your teacher. Summarize the article below.

6. Read the scenario your group has been given and look over the Engineering Design Journal. Discuss them both with your group.
7. Review the rubric for the project.
8. Begin planning your project by filling out the Engineering Design Journal.
9. Create a drawing of your PPE to present to the class. You may use whatever materials you want: magazines, stickers, fabric, etc.!

**Analysis Questions** (complete after all student groups have presented to the class)

1. When should you use a PPE?

2. How would you determine what type of PPE to use?

3. Has your view on safety changed? Why or why not?