

**Lesson Plan | Icebreaker**  
<https://barisciencelab.tech/Physics1.html>

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Physics

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Momentum

**Summary (45 Minutes | 1 Class Period):**

1. Flipped Classroom (Outside Class)
2. Do Now (10 minutes)
3. Big Idea (20 minutes)
4. Escape Room (15 minutes)
5. Homework (Outside class)

<b>Agenda</b>	<b>Description</b>
Flipped Classroom (Outside Class)	Students were instructed to watch a video to understand the icebreaker activity in the classroom.
Do Now	Students spend ten minutes in pairs talking about (1) their family, (2) hobbies, and (3) goals. Instructor will check in with groups and ask students to share a story about their partner.
Big Idea	<p>Students watch a video of a rock falling on a glass from three different heights.</p> <p>Students spend 5 minutes thinking about why the glass broke in the third scenario, but not the first two. Instructor will ask if students have any ideas to share with the class.</p> <p>Students will then talk in pairs for 5 minutes and discuss ideas. Instructor will then ask if any pairs would like to share their ideas to the class.</p>
Escape Room	Students will solve three problems and attempt to escape from the room. They will employ the concepts learned from the Flipped Classroom, Do Now, and Big Idea.
Homework	<p>In a paragraph or two, students will:</p> <ol style="list-style-type: none"><li>1. explain if working individually or in groups helped them more to solve the problem</li><li>2. attempt to explain why they think the rock dropped from the highest height broke the glass, but not the rock dropped from the two lower heights.</li></ol>