Activity: Stop-Motion Video

FOR THE TEACHER

Summary
In this activity, students will pick a concept to bring to life in a stop-motion video.

Grade Level
High school

Objectives
By the end of this lesson, students should be able to
- Explain a conceptual topic in the form of stop-motion animation

Chemistry Topics
This lesson supports students’ understanding of
- A topic of their choice

Time
Teacher Preparation: 10 minutes
Lesson: 10 minutes to multiple class periods (depending on how the assignment is assigned)

Materials
- Technology to create stop-motion animations

Safety
No specific safety precautions need to be observed.

Teacher Notes
- This project requires some knowledge by the teacher of how to create a stop-motion video.
- Students can work alone or in groups.
- This activity is discussed in a Chemistry Solutions article about formative and summative assessment.

FOR THE STUDENT

Rubric

<table>
<thead>
<tr>
<th></th>
<th>Not present (1 ea)</th>
<th>Fair (2 ea)</th>
<th>Adequate (3 ea)</th>
<th>Good (4 ea)</th>
<th>Excellent (5 ea)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>Very little chemistry</td>
<td>Chemistry only plays</td>
<td>Some chemistry.</td>
<td>Chemistry well</td>
<td>Excellent chemical</td>
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<tr>
<td>Props</td>
<td>No IB hours.</td>
<td>2 to 4 props.</td>
<td>5 to 7 props.</td>
<td>7 to 9 props</td>
<td>More than 10 props.</td>
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<tr>
<td>Uses 1 prop.</td>
<td>1 chemistry idea.</td>
<td>2 chemistry ideas.</td>
<td>3 chemistry ideas.</td>
<td>4 chemistry ideas.</td>
<td></td>
</tr>
<tr>
<td>Content</td>
<td>No ideas.</td>
<td>1 chemistry idea.</td>
<td>2 chemistry ideas.</td>
<td>3 chemistry ideas.</td>
<td>4 chemistry ideas.</td>
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</tbody>
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