

Activity Design for PhET simulations

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<p>Traditional Lesson:</p> <p>Add 100 silver bromide pairs to the water. How many silver and bromide ions dissolve in the water? Repeat this for all salts.</p>	<p>Inquiry based Lesson:</p> <p>Investigate different salts. What features do salts have in common, and how do salts differ from each other?</p>
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Creating Activities using a Guided Inquiry Approach

1. Specific learning goals
2. Students reason and make sense
3. Connect to students' knowledge
4. Connects to real-world experiences
5. Collaborative activities
6. Minimal directions for simulations
7. Students self-check understanding

Start writing an activity using this planning guide:

1. Brainstorm some learning goals that the simulation would support.

2. Write one goal.

3. Which guidelines would you like to use?

4. Outline or map your lesson.

5. Start a rough draft.