



PhET Interactive Simulations

at the University of Colorado, Boulder

Contacts for this workshop:

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Workshop Goals:

Participants will...

1. Become familiar with PhET simulations: What are PhET sims and who makes them?
2. Sim design and research: How can PhET sims help students learn?
3. Explore the variety of uses for online learning environments
4. Introduce research resources for teaching strategies from University of Colorado-Boulder

1. Handouts for workshop

1. Table of contents
2. How People Learn
3. PhET Creating PhET Interactive Simulations Activities_-writing/recognizing activities Also available on the PhET website at <https://phet.colorado.edu/en/for-teachers/activity-guide>
4. Activities with Guideline alignment examples The Moving Man
Energy Skater Samples:
 5. Lesson Plan
 6. Energy Skate Park [Teacher Tips](#)
 7. Student Directions
 8. Sample Clicker Questions
9. [Solution unit example](#)

2. Activity Ideas

- Look for “Gold Stars” by following the “For Teachers” links or <http://phet.colorado.edu/en/for-teachers/browse-activities>
- Remember that you can adapt any lessons for your classroom from this free, open forum

3. The PhET Installer

- Installs the PhET Website locally on your computer so you can run simulations offline.
- NOTE: Installer is updated weekly on Tuesdays. You can download the latest installer from the website http://phet.colorado.edu/get_phet/index.php You can also download individual simulations.

4. Research about PhET and effective use:

- For PhET research articles: <http://phet.colorado.edu/research/index.php>
- For other research-based information from the University of Colorado: <http://www.colorado.edu/sei/>