ACS-Hach High School Chemistry Grant

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American Chemical Society Hach Grant

- Developed to help “support ideas that enhance classroom learning, foster student development, and reveal the wonders of chemistry.”
- Over 600 high school chemistry teachers have been awarded the grant since its inception in 2008
- Grants can be for:
  - Laboratory Equipment & Supplies
  - Instructional Materials
  - Professional Development
  - Student-Conducted Field Studies
  - Student-Led Science Outreach Events
My proposal: “Modeling Development in the Chemistry Classroom”

- Both my interest, and my Master’s Thesis is on modeling and comparing the benefits of virtual/computer-based modeling vs. traditional modeling/whiteboarding
- Does “gameified” modeling help, or is it a distraction?
- How do models help students visualize chemistry?
Professional Development Connected to Classroom

- Modeling workshops, networking, connecting with chemistry education professionals!

- ChemEd 2017, Brookings, SD

South Dakota State University®

2017

Engaging the Next Generation.
Using Modeling in the Classroom
Positive Student Impact

- Has given students new, exciting tools to aid their exploration of chemistry
- More student buy-in and engagement during lessons
- Eager to help develop their understanding as well as explore the use of modeling
Tips and Pointers

- Start EARLY! Have your proposal or an idea in your head and apply
- Have concrete examples of how you can use the Hach Grant in your classroom
- Make it interesting and personal; explore your passions in chemistry education
- Get to know your bursar/financial person at your school
- Broadcast and be proud!
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Any questions?

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