Using Pivot Interactives for Virtual Chemistry Labs

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What is Pivot Interactives?

- Interactive, video-based science labs
- Videos include tools that require students to decide what data to collect and make their own measurements
- Pre-written questions and activities, modify what is already there, or make your own from scratch
- 65 Chemistry labs so far, and they continue to create more
- Created by teachers!

https://www.pivotinteractives.com/
Pivot Interactives in AP Chemistry

- Start a unit: Introduction to Titration Curves
  - Each team investigates a different combination
  - Built-in graphing
  - Compare graph features with a synchronous whiteboard discussion
Pivot Interactives in AP Chemistry

- Intro a concept: Surface Tension and Intermolecular Forces
  - Use as written by Pivot Interactives
  - Great integration of lab measurements and molecular structure
Pivot Interactives in AP Chemistry

- Lab-based practice: *Stoichiometry Puzzles Using Hydrates*
  - Replace a homework problem set with this interactive calculation practice
  - Includes an error analysis
My Tips:

**Sign up for a Free Trial Account**
Check out what is available for yourself
https://app.pivotinteractives.com/request-trial

**Start simple**
Do an easy activity first to practice measuring with video tools early in the year.

**Give a Demo or Intro**
I often show my students how to use the video tools or have class discuss measurement strategies before setting them off to investigate.
Questions?

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