Knowledge Building

- We are all curious about the world around us.
- We want to better understand our world
  - Natural environment
  - Our engineered world
- What is the process for gaining a better understanding... for learning?
  - Sometimes working alone
  - Sometimes working with others
  - Usually a combination of alone and together

We want to better understand our world:
1. What curiosities do you have about electricity, circuits, electromagnetic energy...?
2. What do you want to be doing to develop your ability to build knowledge?
   - To find and frame problems
   - To engage in collective idea improvement
   - To engage in meta-discussion on your topic
3. How do you want to structure idea improvement and knowledge building for this semester?
   - How do you want to organize yourselves?

Discussion for KB

- What questions, or problems, are of interest to you (collectively)?
- Begin with a 2-week warm-up
  - From Feb 10 to Feb 24 work on questions
  - Login to Knowledge Forum
  - Create views, divide yourselves into groups, post notes and build-ons
  - Use scaffolding and built-in tools
  - Do some rise-aboves

Knowledge Building Questions

- A question that asks why, or how
  - not a simple yes/no question
- A question for which you can propose or develop theories
- A question that encourages everyone to investigate further and increase your collective understanding
  - And improve your ideas
- A question that encourages the community to engage in meta-discussion
  - Whether or not the group is making progress in terms of your question
  - If you need to develop a new question or have the current question evolve to reflect your improved understanding