



- The class observes a phenomenon, and is presented with a challenge.
 In groups and with all-class check-in, students develop investigations to explore that phenomenon.
- Students conduct their investigation.
- Students develop models that explain their observations: Emphasis is on multiple representations of their results:
 - Graphing
 Written
 - Mathematical
- Students share their model with other groups, and the class searches for consistencies across models, and differences.
- The class agrees on a consensus model, and the experimental design pieces that produced differences.
- Students are presented with a challenge that "breaks" the model, and the class develops descriptions of the limits of the model.



