



## SCIENCE & ENGINEERING PRACTICES

*These are the eight practices of Science and Engineering that are essential, based on what professional scientists and engineers do.*

1. Asking Questions (*Science*)  
Defining Problems (*Engineering*)
2. Developing and Using Models
3. Planning and Carrying Out Investigations
4. Analyzing and Interpreting Data
5. Using Mathematics and Computational Thinking
6. Constructing Explanations (*Science*)  
Designing Solutions (*Engineering*)
7. Engaging in Argument From Evidence
8. Obtaining, Evaluating, and Communicating Information