

Science & Engineering Practices



1. Ask Questions and Define Problems

“I wonder...?” “So, what’s the real issue here?”

2. Develop and Use Models

“Let me show you what I’m thinking!”

3. Plan and Carry Out Investigations

“I did an experiment to find out...”

4. Analyze and Interpret Data

“When I study this chart/graph, it tells me that...”

5. Use Mathematics and Computational Thinking

“I can measure and make calculations to support my experiment.”

6. Construct Explanations of Phenomena

“After studying this occurrence, I think it is caused by...”

7. Construct Scientific Arguments

“Based on the evidence I would argue that...”

8. Obtain, Evaluate, and Communicate Information

“After researching I am ready to present my conclusions...”

9. Construct Devices or Design Solutions

“I can use my science knowledge to solve problems.”

