



❖ Eight Practices

- Asking questions and defining problems
- Developing and using models
- Planning and carrying out investigations
- Analyzing and interpreting data
- Using mathematics and computational thinking
- Constructing Explanations and Designing Solutions
- Engaging in argument from evidence
- Obtaining, evaluating, and communicating information

➤ Seven Crosscutting Concepts

- Patterns
- Cause and effect
- Scale, proportion, and quantity
- Systems and system models
- Energy and matter: Flows, cycles, and conservation
- Structure and function
- Stability and change

▪ Four Disciplinary Core Ideas:

- ✓ Life Science,
- ✓ Physical Science
- ✓ Earth and Space Science
- ✓ Engineering

Disciplinary Core Ideas (Content)	Science and Engineering Practices (Skills)	Crosscutting Concepts (Themes)

