NGSS in Action!
NEXT GENERATION SCIENCE STANDARDS

Plan
Use Models

SEP
CCC
DCI

Ask
Engage
Explain

Analyze
Use Math

Communicate

4th Dimension

2016 BELLE AKERS

Math, Science, and Engineering 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
- Clarifying, evaluating, and communicating information

NGSS: Crosscutting Concepts
1. Scale, proportion, and quantity
2. Systems and system models
3. Energy and matter: flows, cycles, and conservation
4. Structure and function
5. Stability and change

NGSS: Science and Engineering Practice
- 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
- Clarifying, evaluating, and communicating information