

**NEXT GENERATION  
SCIENCE  
STANDARDS**  
For States, By States



**Life Science**

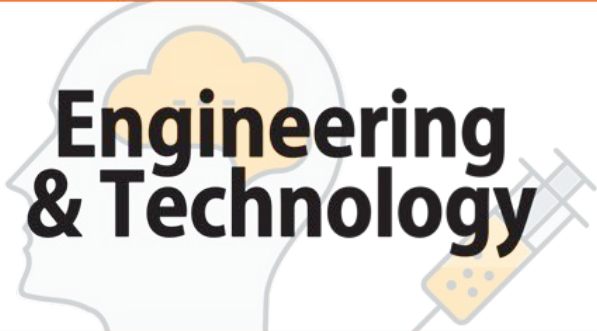
**Physical Science**



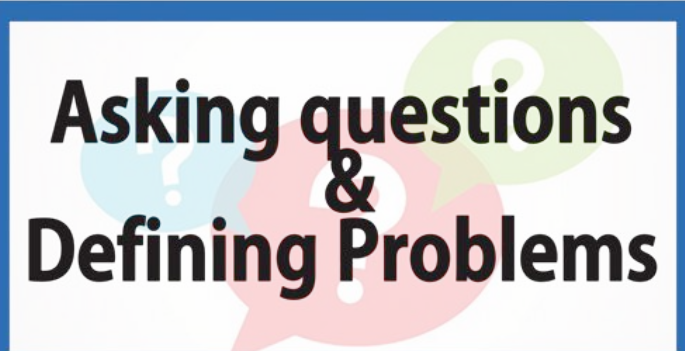
**Earth & Space  
Science**



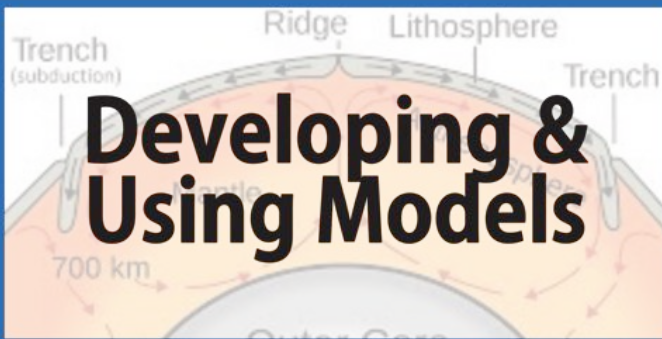
**Engineering  
& Technology**



**Asking questions  
&  
Defining Problems**



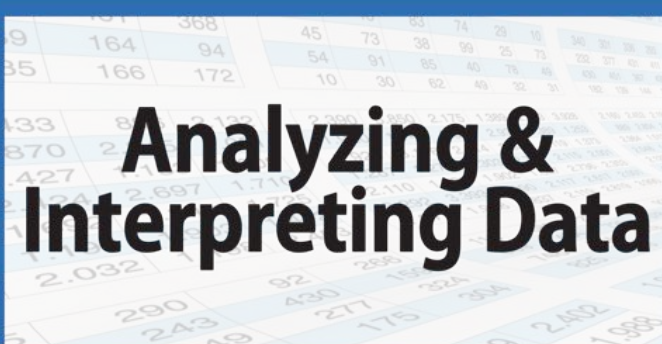
**Developing &  
Using Models**



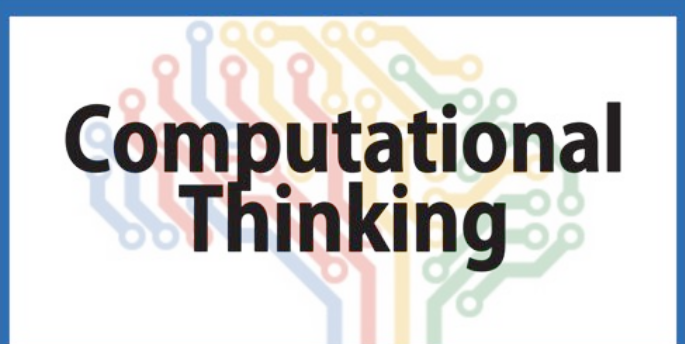
**Planning &  
Conducting  
Investigations**



**Analyzing &  
Interpreting Data**



**Computational  
Thinking**



Q: Based on my observations,  
I think  
I wonder  
I noticed  
I noticed that the  
I wonder by the end of 8 weeks, the spoon will break down in to p  
I noticed that the  
I think the mold grew mold because there were bacteria in the so

# Constructing Explanations & Designing Solutions

What do you know? How do you know that?

Claim  
Reasoning  
Evidence

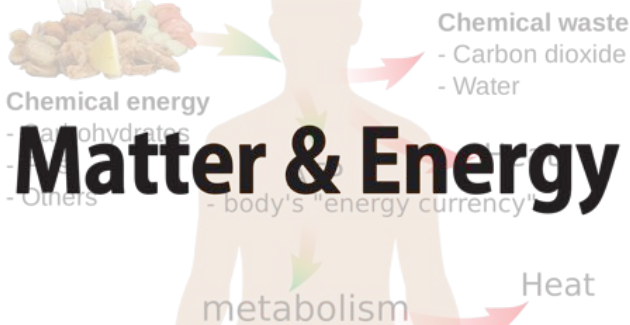
# Engaging in Argumentation

Why does your evidence support your claim?

CAN I TELL YOU ABOUT SCIENCE?

# Communicating Information

# Cause & Effect



# Structure & Function

predators

herbivores

plants

plant biomass

functional diversity

# Stability & Change

# Patterns

# Systems & System Models

small molecules  
atoms  
DNA bases  
proteins  
antibodies  
ribosomes  
viruses  
animal cells  
bacteria  
human hair

# Size & Scale

