

# Content Enhancement Routines to Engage Students in the Critical Skills of Higher Order Thinking and Reasoning

## Critically Analyzing the Cause and Effect of the Main Idea

### Cause and Effect Routine

Students engage in higher-order reasoning and to think critically about an event, action, idea, topic, or procedure and its causes and effects

## Analyzing the Relationship

### Concept Comparison Routine

Students explore the characteristics of two or more concepts, identify the characteristics that are shared or not shared by the concepts, name overarching categories for sets of characteristics they have identified, and summarize the similarities and differences

**The FRAME Routine**

Key Topic: \_\_\_\_\_ is about...

Main idea: \_\_\_\_\_

Main idea: \_\_\_\_\_

Main idea: \_\_\_\_\_

Essential details: \_\_\_\_\_

Essential details: \_\_\_\_\_

Essential details: \_\_\_\_\_

Essential details: \_\_\_\_\_

Essential details: \_\_\_\_\_

Essential details: \_\_\_\_\_

Essential details: \_\_\_\_\_

So What? (What's important to understand about this?)

\_\_\_\_\_

## Critically Assessing the Claim and Reasoning (So What?)

### Scientific Argumentation / Cross Curricular Routine

Students to think critically about a claim, decide on the strength of the claim, and explain the reasoning that supports the claim.

## Extended the Learning (So What?)

### Question Exploration Routine

Students examine the critical question, key terms and definitions, supporting questions and answers, and a main idea that synthesizes the information into a concise answer to the critical question