As a Matter of Fact

Properties of Matter (K-2)

Driving Question (Making sense question)

Why do we select certain materials when making things?

Anchoring Phenomenon

Crazy bird nests

Phenomena Driven Question

How can we describe objects around us?

Practices and crosscutting concepts used to make sense of phenomena.

SEP: Asking questions and defining problems

CCC: Patterns

What we figure out first.

Matter can be described by its observable properties.

Phenomena Driven Question

How can different objects be compared to one another?

Practices and crosscutting concepts used to make sense of phenomena.

SEP: Planning and Carrying Out Investigations

CCC: Patterns

What we figure out next.

Matter can be classified by its observable properties.

Phenomena Driven Question

How do the properties of materials relate to their use?

Practices and crosscutting concepts used to make sense of phenomena.

SEP: Planning and carrying out investigations
Analyzing and Interpreting Data

CCC: Cause and Effect

What we figure out next.

Different properties are suited to different purposes.

Phenomena Driven Question

How can materials be used in different ways to solve different problems?

Practices and crosscutting concepts used to make sense of phenomena.

SEP: Asking Questions and Defining Problems

CCC: Structure and Function

What we figure out last.

Simple problems can be solved using engineering design.

There may be more than one possible solution to a problem.