



Kindergarten Curriculum Pacing Guide

Physical Attributes

Crosscutting Concepts: Patterns, Scale, Proportion, and Quantity

Topic: Physical Attributes, Composition of Materials, Classification, Buoyancy

Estimated Time Instructional Segment: 7 weeks

Anchoring Phenomenon	Standard	Instructional Segments	Disciplinary Core Ideas	Science and Engineering Practices	Instructional Notes
Aircraft Carrier	SKP1a, b, c	Where did it come from and how was it made?	<p>From A Framework for K-12 Science Education:</p> <p>PS1.A Structure and Properties of Matter</p> <ul style="list-style-type: none"> Matter can be described and classified by its observable properties (e.g., visual, aural, textural), by its uses, and by whether it occurs naturally or is manufactured. Different properties are suited to different purposes. A great variety of objects can be built up from a small set of pieces (e.g., blocks, construction sets). Objects or samples of a substance can be weighed and their size can be described and measured. 	<ul style="list-style-type: none"> Asking questions and defining problems Planning and carrying out investigations Constructing explanations and designing solutions Obtaining, evaluating, and communicating information 	<p>Volume is introduced only for liquid measure.</p> <p>By the end of this unit, students are using the following language in their speaking and writing during EXPLAIN or ELABORATE.</p> <ul style="list-style-type: none"> Shape Color Texture Float or sink (buoyancy) Flexibility Weight Size Compare

This instructional segment will connect to SKP2a where students will connect the relationship between an object's physical attributes with its resulting motion. Students will construct an argument as to the best way to move an object based on its physical attributes.