



Grade 2

3.3.2.C Earth and Space Sciences: Earth's Systems

Students who demonstrate understanding can *develop a model to represent the shapes and kinds of land and bodies of water in an area.*

Clarifying Statement: N/A

Assessment Boundary: Assessment does not include quantitative scaling in models.

Science and Engineering Practices (SEP)	Disciplinary Core Ideas (DCI)	Crosscutting Concepts (CCC)
Developing and Using Models Modeling in K–2 builds on prior experiences and progresses to include using and developing models (i.e., diagram, drawing, physical replica, diorama, dramatization, or storyboard) that represent concrete events or design solutions. <ul style="list-style-type: none"> Use and/or develop a model to represent amounts, relationships, relative scales (bigger, smaller), and/or patterns in the natural and designed world(s). 	Plate Tectonics and Large-Scale System Interactions <ul style="list-style-type: none"> Maps show where things are located. One can map the shapes and kinds of land and water in any area. 	Patterns <ul style="list-style-type: none"> Patterns in the natural and human designed world can be observed, used to describe phenomena, and used as evidence.

Pennsylvania Context: Examples of Pennsylvania context include Pennsylvania's dams and levees.

PA Career Ready Skills: Identify one's own strengths, needs, and preferences.

Connections to Other Standards Content and Practices

Standard Source	Possible Connections to Other Standard(s) or Practice(s)
Agriculture (AFNR)	CS.02.01.01.c: Evaluate geographic data and select necessary data sets to solve problems within AFNR systems.
Science, Environmental Literacy and Sustainability (NAAEE)	K-4 Strand 1.F. Working with models and simulations: Learners use models to represent environmental relationships, patterns, and processes.
PA Core Standards: ELA	CC.1.2.2.C: Describe the connection between a series of events, concepts, or steps in a procedure within a text.
PA Core Standards and Practices: Math	MP.5: Use appropriate tools strategically. CC.2.3.2.A.1: Analyze and draw two- and three-dimensional shapes having specified attributes. CC.2.4.2.A.6: Extend the concepts of addition and subtraction to problems involving length.
PA Standards: Social Studies	7.2.2.A: Identify the physical characteristics of places.



Standard Source	Possible Connections to Other Standard(s) or Practice(s)
Educational Technology (ISTE)	1.6. Creative Communicator: Students communicate clearly and express themselves creatively for a variety of purposes using the platforms, tools, styles, formats and digital media appropriate to their goals.
Technology and Engineering (ITEEA)	STEL-7G: Apply skills necessary for making in design.