PLTW Launch Standards Connection Pre-Kindergarten



Connections to Standards in PLTW Launch

PLTW curriculum is designed to empower students to thrive in an evolving world. As a part of the design process when developing and updating our curriculum, we focus on connections to a variety of standards. PLTW Launch modules connect to standards in the following:

NAEYC Early Learning Program Standards	Page 2
Head Start Early Learning Outcomes Framework	Page 4
Next Generation Science Standards	Page 9
Computer Science Teachers Association K-12 Computer Science Standards	Page 15

Relationships

This program promotes positive relationships between all children and adults to encourage each child's sense of individual worth and belonging as part of a community and to foster each child's ability to contribute as a responsible community member.

✓ Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding

Curriculum

The program implements a curriculum that is consistent with its goals for children and that promotes learning and development in each of the following areas: social, emotional, physical, language, and cognitive.

✓ Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding

Teaching

The program uses a variety of developmentally, culturally, and linguistically appropriate and effective teaching approaches, which enhance each child's learning and development in the context of the program's curriculum goals.

✓ Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding

Assessment of Child Progress

The program uses a variety of formal and informal assessment approaches to provide information on children's learning and development. These assessments occur in the context of reciprocal communications between teachers and families, and with sensitivity to cultural contexts in which children are developing.

The program uses assessment results to inform decisions about the children in their care, to improve teaching practices, and to drive program

✓	Life Science: Living and Nonliving Things	✓	Matter: Floating and Sinking
	Healthy Habits	✓	Spatial Sense and Coding

Health

The program promotes the nutrition and health of children and protects children and staff from illness.

□ Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding

Families

The program establishes and maintains collaborative relationships with each child's family to foster children's development in all settings. These relationships are sensitive to family composition, language, and culture.

- Life Science: Living and Nonliving Things Matter: Floating and Sinking
- Healthy Habits

Spatial Sense and Coding

NAEYC Early Learning Program Standards

Community Relationships

The program establishes relationships with and uses the resources of the children's communities to support the achievement of program goals.

- ☑ Life Science: Living and Nonliving Things ☑ Matter: Floating and Sinking

Healthy Habits

✓ Spatial Sense and Coding

Physical Environment

The program has a safe and healthful environment that provides appropriate and well-maintained indoor and outdoor physical environments. The environment includes facilities, equipment, and materials to facilitate child and staff learning and development.

- ✓ Life Science: Living and Nonliving Things
- Matter: Floating and Sinking

Healthy Habits

✓ Spatial Sense and Coding

Approaches to Learning		
Cognitive Self-regulation (Executive Functioning)		
Goal P-ATL 6		
Child maintains focus and sustains attention with minima	lac	lult support.
Life Science: Living and Nonliving Things	✓	Matter: Floating and Sinking
Healthy Habits	✓	Spatial Sense and Coding
Goal P-ATL 7		
Child persists in tasks.	_	
Life Science: Living and Nonliving Things	✓	Matter: Floating and Sinking
Healthy Habits	✓	Spatial Sense and Coding
Goal P-ATL 8		
Child holds information in mind and manipulates it to perf	_	
Life Science: Living and Nonliving Things	✓	Matter: Floating and Sinking
Healthy Habits	✓	Spatial Sense and Coding
Goal P-ATL 9		
Child demonstrates flexibility in thinking and behavior.		
Life Science: Living and Nonliving Things	✓	Matter: Floating and Sinking
Healthy Habits	✓	Spatial Sense and Coding
Initiative and Curiosity		
Goal P-ATL 10		
Child demonstrates initiative and independence.		
Life Science: Living and Nonliving Things	✓	Matter: Floating and Sinking
Healthy Habits	✓	Spatial Sense and Coding
Goal P-ATL 11		
Child shows interest in and curiosity about the world arou		
Life Science: Living and Nonliving Things	✓	Matter: Floating and Sinking
Healthy Habits	✓	Spatial Sense and Coding
Creativity		
Goal P-ATL 12		
Child expresses creativity in thinking and communication		
Life Science: Living and Nonliving Things	✓	Matter: Floating and Sinking
Healthy Habits	✓	Spatial Sense and Coding
Goal P-ATL 13		
Child uses imagination in play and interactions with other		
Life Science: Living and Nonliving Things	✓	Matter: Floating and Sinking
Healthy Habits	✓	Spatial Sense and Coding

Language and Communication	
Attending and Understanding	
Goal P-LC 1	
Child attends to communication and language from othe	rs.
Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
Goal P-LC 2	
Child understands and responds to increasingly complex	
Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
Communicating and Speaking	
Goal P-LC 3	
Child varies the amount of information provided to meet	the demands of the situation.
Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
Goal P-LC 4	
Child understands, follows, and uses appropriate social a	and conversational rules.
Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
Goal P-LC 5	
Child expresses self in increasingly long, detailed, and se	ophisticated ways.
Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
Vocabulary	
Goal P-LC 6	
Child understands and uses a wide variety of words for a	a variety of purposes.
Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
Goal P-LC 7	
Child shows understanding of word categories and relati	onships among words.
Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
Literacy	
Comprehension and Text Structure	

Goal P-LIT 4

Child demonstrates an understanding of narrative structure through storytelling/re-telling. Matter: Floating and Sinking

- ☑ Life Science: Living and Nonliving Things
- ✓ Spatial Sense and Coding

Healthy Habits

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Goal P-LIT 5 Child cake and ensurers questions shout a back that was	a road alaud
Child asks and answers questions about a book that was	Matter: Floating and Sinking
Life Science: Living and Nonliving ThingsHealthy Habits	 Spatial Sense and Coding
Writing	
Goal P-LIT 6	
Child writes for a variety of purposes using increasingly s	sophisticated marks.
✓ Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
Mathematics Development	
Counting and Cardinality	
Goal P-MATH 1	
Child knows number names and the count sequence.	
\square Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	\Box Spatial Sense and Coding
Goal P-MATH 2	
Child recognizes the number of objects in a small set.	
\Box Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
Goal P-MATH 4	
Child compares numbers.	
\Box Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
Operations and Algebraic Thinking	
Goal P-MATH 7	
Child understands simple patterns.	
Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
Measurement	
Goal P-MATH 8	
Child measures objects by their various attributes using s differences in attributes to make comparisons.	standard and non-standard measurement. Uses
Life Science: Living and Nonliving Things	Matter: Floating and Sinking

Healthy Habits

 \Box Spatial Sense and Coding

Geometry and Spatial Sense	
Goal P-MATH 9	
Child identifies, describes, compares, and composes sha	•
\square Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
Goal P-MATH 10	
Child explores the positions of objects in space.	
\Box Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
Scientific Reasoning	
Scientific Inquiry	
Goal P-SCI 1	
Child observes and describes observable phenomena (o	bjects, materials, organisms, and events).
Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
Goal P-SCI 2	
Child engages in scientific talk.	
Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
Goal P-SCI 3	
Child compares and categorizes observable phenomena	
Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
Reasoning and Problem-Solving	
Goal P-SCI 4	
Child asks a question, gathers information, and makes p	_
Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
Goal P-SCI 5	
Child plans and conducts investigations and experiments	S
Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
Goal P-SCI 6	
Child analyzes results, draws conclusions, and communi	
Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding

Perceptual, Motor, and Physical Development

Health, Safety, and Nutrition		
Goal P-PMP 4		
Child demonstrates personal hygiene and self-care skills	5.	
\Box Life Science: Living and Nonliving Things	Matter: Floating and Sinking	
Healthy Habits	\square Spatial Sense and Coding	
Goal P-PMP 5		
Child develops knowledge and skills that help promote nutritious food choices and eating habits.		
\Box Life Science: Living and Nonliving Things	\Box Matter: Floating and Sinking	
Healthy Habits	\square Spatial Sense and Coding	

Next Generation Science Standards				
While NGSS does not include standards for early childhood learning, research led the PLTW Launch team to develop content that provides a scaffold to NGSS. Modules address Science and Engineering Practices, Crosscutting Concepts, and Disciplinary Core Ideas, and also provide a learning progression toward elementary science standards.				
From Molecules to Organisms: Structures and	Processes			
K-LS1-1				
Use observations to describe patterns of what plants and	animals (including humans) need to survive.			
Life Science: Living and Nonliving Things	_			
☐ Healthy Habits	Spatial Sense and Coding			
Earth's Systems				
K-ESS2-2				
Construct an argument supported by evidence for how p change the environment to meet their needs.	lants and animals (including numans) can			
Life Science: Living and Nonliving Things	Matter: Floating and Sinking			
Healthy Habits	\Box Spatial Sense and Coding			
Earth and Human Activity				
K-ESS3-1				
Use a model to represent the relationship between the needs of different plants and animals (including humans) and the places they live.				
Life Science: Living and Nonliving Things	Matter: Floating and Sinking			
Healthy Habits	Spatial Sense and Coding			
K-ESS3-3				
Communicate solutions that will reduce the impact of hur things in the local environment.	mans on the land, water, air, and/or other living			
Life Science: Living and Nonliving Things	Matter: Floating and Sinking			
Healthy Habits	\Box Spatial Sense and Coding			
Matter and Its Interactions				
2-PS1-1				
Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.				
\Box Life Science: Living and Nonliving Things	Matter: Floating and Sinking			
Healthy Habits	\Box Spatial Sense and Coding			
2-PS1-2 Analyze data obtained from testing different materials to	determine which materials have the properties			
that are best suited for an intended purpose.	Matter: Floating and Sinking			
 Life Science: Living and Nonliving Things Healthy Habits 	 Spatial Sense and Coding 			

2-PS1-3

Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object.

- □ Healthy Habits

□ Spatial Sense and Coding

2-PS1-4

Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.

□ Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	\Box Spatial Sense and Coding

Engineering Design

K-2-ETS1-1

Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.

- Life Science: Living and Nonliving Things Matter: Floating and Sinking
- Healthy Habits

Spatial Sense and Coding

K-2-ETS1-2

Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.

Life Science: Living and Nonliving Things
If Matter: Floating and Sinking

Healthy Habits

Spatial Sense and Coding

K-2-ETS1-3

Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.

- Life Science: Living and Nonliving Things Matter: Floating and Sinking
- Healthy Habits

Spatial Sense and Coding

Science and Engineering Practices

Asking Questions and Defining Problems

Asking questions and defining problems in K–2 builds on prior experiences and progresses to simple descriptive questions that can be tested.

- Life Science: Living and Nonliving Things
 Matter: Floating and Sinking
- Healthy Habits
 Spatial Sense and Coding

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.

- Life Science: Living and Nonliving Things
 Matter: Floating and Sinking
- Healthy Habits

✓ Spatial Sense and Coding

Planning and Carrying Out Investigations

Planning and carrying out investigations to answer questions or test solutions to problems in K–2 builds on prior experiences and progresses to simple investigations, based on fair tests, which provide data to support explanations or design solutions.

- ☑ Life Science: Living and Nonliving Things ☑ Matter: Floating and Sinking
- □ Healthy Habits

Spatial Sense and Coding

Analyzing and Interpreting Data

Analyzing data in K–2 builds on prior experiences and progresses to collecting, recording, and sharing observations.

- ☑ Life Science: Living and Nonliving Things ☑ Matter: Floating and Sinking
- Healthy Habits
 Spatial Sense and Coding

Using Mathematics and Computational Thinking

Mathematical and computational thinking in K–2 builds on prior experience and progresses to recognizing that mathematics can be used to describe the natural and designed world(s).

- ✓ Life Science: Living and Nonliving Things ✓ Matter: Floating and Sinking
- Healthy Habits
 Spatial Sense and Coding

Constructing Explanations and Designing Solutions

Constructing explanations and designing solutions in K–2 builds on prior experiences and progresses to the use of evidence and ideas in constructing evidence-based accounts of natural phenomena and designing solutions.

- ✓ Life Science: Living and Nonliving Things
- Matter: Floating and Sinking
 Spatial Sense and Coding

Engaging in Argument from Evidence

Healthy Habits

Engaging in argument from evidence in K–2 builds on prior experiences and progresses to comparing ideas and representations about the natural and designed world(s).

- ✓ Life Science: Living and Nonliving Things ✓ Matter: Floating and Sinking
- Healthy Habits
- ✓ Spatial Sense and Coding

Spatial Sense and Coding

Obtaining, Evaluating, and Communicating Information

Obtaining, evaluating, and communicating information in K–2 builds on prior experiences and uses observations and texts to communicate new information.

- ✓ Life Science: Living and Nonliving Things ✓ Matter: Floating and Sinking
- Healthy Habits

Disciplinary Core Idea (K-2)

Physical Science

PS1.A Structure and Properties of Matter

- Different kinds of matter exist and many of them can be either solid or liquid, depending on temperature. Matter can be described and classified by its observable properties.

 - □ Healthy Habits □ Spatial Sense and Coding

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Next Generation Science Standards	
PS1.A Structure and Properties of Matter	
 Different properties are suited to different purposes. 	
\Box Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	\Box Spatial Sense and Coding
PS1.A Structure and Properties of Matter	
 A great variety of objects can be built up from a small s 	set of pieces.
\square Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	\square Spatial Sense and Coding
PS1.B Chemical Reactions	
 Heating and cooling substances cause changes that an 	re sometimes reversible and sometimes not.
\square Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
Earth and Space Science	
ESS2.E Biogeology	
 Plants and animals can change their environment. 	_
Life Science: Living and Nonliving Things	☐ Matter: Floating and Sinking
Healthy Habits	\Box Spatial Sense and Coding
ESS3.A Natural Resources	
 Living things need water, air, and resources from the la they need. Humans use natural resources for everything 	
Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
ESS3.C Human Impacts on Earth Systems	
 Things that people do to live comfortably can affect the that reduce their impacts on the land, water, air, and other 	•
Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	\Box Spatial Sense and Coding
Engineering, Technology, and Applications of Science	
ETS1.A Defining and Delimiting Engineering Problems	
 A situation that people want to change or create can be through engineering. 	e approached as a problem to be solved
Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
ETS1.A Defining and Delimiting Engineering Problems	
 Asking questions, making observations, and gathering problems. 	information are helpful in thinking about
Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding

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- ETS1.A Defining and Delimiting Engineering Problems
- Before beginning to design a solution, it is important to clearly understand the problem.
 - ☑ Life Science: Living and Nonliving Things ☑ Matter: Floating and Sinking
 - Healthy Habits
- Spatial Sense and Coding

ETS1.B Developing Possible Solutions

• Designs can be conveyed through sketches, drawings, or physical models. These representations are useful in communicating ideas for a problem's solutions to other people.

- Life Science: Living and Nonliving Things Matter: Floating and Sinking
- Healthy Habits

Spatial Sense and Coding

ETS1.C Optimizing the Design Solution

• Because there is always more than one possible solution to a problem, it is useful to compare and test designs.

☑ Life Science: Living and Nonliving Things ☑ Matter: Floating and Sinking

Healthy HabitsSpatial Sense and Coding

Crosscutting Concepts (K-2)

Patterns – Observed patterns in nature guide organization and classification and prompt questions about relationships and causes underlying them.

• Patterns in the natural and human designed world can be observed, used to describe phenomena, and used as evidence.

- Life Science: Living and Nonliving Things Matter: Floating and Sinking
- □ Healthy Habits □ Spatial Sense and Coding

Cause and Effect: Mechanism and Prediction – Events have causes, sometimes simple, sometimes multifaceted. Deciphering causal relationships, and the mechanisms by which they are mediated, is a major activity of science and engineering.

• Events have causes that generate observable patterns.

- ✓ Life Science: Living and Nonliving Things ✓ Matter: Floating and Sinking
- Healthy HabitsSpatial Sense and Coding

Systems and System Models – A system is an organized group of related objects or components; models can be used for understanding and predicting the behavior of systems.

• Systems in the natural and designed world have parts that work together.

- ☑ Life Science: Living and Nonliving Things ☑ Matter: Floating and Sinking
- Healthy HabitsSpatial Sense and Coding

Energy and Matter: Flows, Cycles, and Conservation – Tracking energy and matter flows, into, out of, and within systems helps one understand their system's behavior.

- Objects may break into smaller pieces, be put together into larger pieces, or change shapes.

 - Healthy Habits

 \Box Spatial Sense and Coding

Structure and Function – The way an object is shaped or structured determines many of its properties and functions.

- The shape and stability of structures of natural and designed objects are related to their function(s).
 - □ Matter: Floating and Sinking Life Science: Living and Nonliving Things
 - Healthy Habits
- Connections to Nature of Science (K-2)

Science Knowledge is Based on Empirical Evidence

- Scientists look for patterns and order when making observations about the world.
 - □ Matter: Floating and Sinking Life Science: Living and Nonliving Things
 - □ Healthy Habits □ Spatial Sense and Coding

Science Models, Laws, Mechanisms, and Theories Explain Natural Phenomena

- Scientists search for cause and effect relationships to explain natural events.
 - Matter: Floating and Sinking □ Life Science: Living and Nonliving Things
 - □ Healthy Habits □ Spatial Sense and Coding

Connections to Engineering, Technology, and Applications of Science (K-2)

Influence of Engineering, Technology, and Science on Society and the Natural World

 Every human-made product is designed by applying some knowledge of the natural world and is built using materials derived from the natural world.

- □ Life Science: Living and Nonliving Things
 - Matter: Floating and Sinking

Healthy Habits

□ Spatial Sense and Coding

- - Spatial Sense and Coding

Computer Science Teachers Association K-12 Computer Science

Since PreK standards are not included in CSTA K-12 Computer Science Standards, PLTW Launch PreK modules address skills that easily scaffold to expectations for learning in the K–2 grade bands.

In Spring 2023 PLTW submitted all necessary documentation required by the Computer Science Teachers Association (CSTA) for a crosswalk review of our Launch and Gateway curricula by the CSTA Standards Review Team. While we anticipate approval and validation by CSTA, the review is pending.

Computing Systems	
Devices	
1A-CS-01	
Select and operate appropriate software to perform a va different needs and preferences for the technology they	
\Box Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
Algorithms and Programming	
Variables	
1A-AP-09	
Model the way programs store and manipulate data by u information.	ising numbers or other symbols to represent
\Box Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
Control	
1A-AP-10	
Develop programs with sequences and simple loops, to	express ideas or address a problem.
\Box Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
Modularity	
1A-AP-11	
Decompose (break down) the steps needed to solve a p	
\Box Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
Program Development	
1A-AP-12	
Develop plans that describe a program's sequence of ev	
\Box Life Science: Living and Nonliving Things	☐ Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
1A-AP-13	
Give attribution when using the ideas and creations of ot	
Life Science: Living and Nonliving Things	☐ Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
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Computer Science Teachers Association K-12 Computer Science

1A-AP-14

Debug (identify and fix) errors in an algorithm or program that includes sequences and simple loops.

- $\hfill\square$ Life Science: Living and Nonliving Things
- $ngs \square$ Matter: Floating and Sinking

□ Healthy Habits

✓ Spatial Sense and Coding

1A-AP-15

Using correct terminology, describe steps taken and choices made during the iterative process of program development.

- $\hfill\square$ Life Science: Living and Nonliving Things
- Matter: Floating and Sinking

□ Healthy Habits

✓ Spatial Sense and Coding

Common Core State Standards English Language Arts - Kindergarten

CCSS does not provide standards for early childhood learning. As with NGSS, PLTW Launch PreK modules offer a scaffold of learning that moves toward kindergarten standards in ELA and Mathematics.

Literature Standards	
Key Ideas and Details	
CCSS.ELA-LITERACY.RL.K.1	
With prompting and support, ask and answer questions a	about key details in a text.
Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
CCSS.ELA-LITERACY.RL.K.2	
With prompting and support, retell familiar stories, includi	ing key details.
Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
CCSS.ELA-LITERACY.RL.K.3	
With prompting and support, identify characters, settings	, and major events in a story.
Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
Language Arts Speaking and Listening Standa	rds
Comprehension and Collaboration	
CCSS.ELA-LITERACY.SL.K.1	
Participate in collaborative conversations with diverse pa peers and adults in small and larger groups.	rtners about kindergarten topics and texts with
Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
CCSS.ELA-LITERACY.SL.K.1.a	
Follow agreed-upon rules for discussions (e.g., listening topics and texts under discussion).	to others and taking turns speaking about the
Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding
CCSS.ELA-LITERACY.SL.K.1.b	
Continue a conversation through multiple exchanges.	
Life Science: Living and Nonliving Things	Matter: Floating and Sinking
Healthy Habits	Spatial Sense and Coding

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Common Core State Standards Mathematics - Kindergarten

CCSS does not provide standards for early childhood learning. As with NGSS, PLTW Launch	PreK
modules offer a scaffold of learning that moves toward kindergarten standards in ELA and Ma	athematics.

modules oner a scanola of learning that moves toward kind			
Counting and Cardinality			
Count to tell the number of objects.			
CCSS.MATH.CONTENT.K.CC.B.4			
Understand the relationship between numbers and quan	tities; connect counting to cardinality.		
\Box Life Science: Living and Nonliving Things	Matter: Floating and Sinking		
Healthy Habits	Spatial Sense and Coding		
Measurement and Data			
Describe and compare measurable attributes.			
CCSS.MATH.CONTENT.K.MD.A.1			
Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object.			
Life Science: Living and Nonliving Things	Matter: Floating and Sinking		
Healthy Habits	\square Spatial Sense and Coding		
CCSS.MATH.CONTENT.K.MD.A.2			
Directly compare two objects with a measurable attribute in common, to see which object has "more of"/"less of" the attribute, and describe the difference. For example, directly compare the heights of two children and describe one child as taller/shorter.			
Life Science: Living and Nonliving Things	Matter: Floating and Sinking		
Healthy Habits	\Box Spatial Sense and Coding		
Geometry			
Analyze, compare, create, and compose shapes.			
CCSS.MATH.CONTENT.K.G.B.5			
Model shapes in the world by building shapes from comp shapes.	ponents (e.g., sticks and clay balls) and drawing		
\Box Life Science: Living and Nonliving Things	Matter: Floating and Sinking		
Healthy Habits	\Box Spatial Sense and Coding		
Mathematical Practices			
CCSS.MATH.PRACTICE.MP2 Reason abstractly and quantitatively.	Matter: Floating and Sinking		
 Healthy Habits CCSS.MATH.PRACTICE.MP4 Model with mathematics. 	Spatial Sense and Coding		
\Box Life Science: Living and Nonliving Things	Matter: Floating and Sinking		
Healthy Habits	Spatial Sense and Coding		

Common Core State Standards Mathematics - Kindergarten

CCSS.MATH.PRACTICE.MP5

Use appropriate tools strategically.

- ☑ Life Science: Living and Nonliving Things
- \Box Matter: Floating and Sinking

Healthy Habits

✓ Spatial Sense and Coding

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