

Science/Kindergarten

Curriculum Guide

Tennessee's K-12 science standards are intended to guide the development and delivery of educational experience that prepare all students for the challenges of the 21st Century. You may access these documents using the **Best for All Central** website:

<https://bestforall.tnedu.gov/lessons-and-learning-item?content-id=9109>

1 st Quarter					
Standard(s)	Learning Objective(s)	CCC/SEP	McGraw Hill Alignment	Assessments	Pacing
K.LS1.2	Discover patterns that can be used to help them classify things as living or nonliving.	CCC – Pattern SEP-Analyzing and Interpreting Data	Unit 3 Lesson 1 Vocabulary: Living Nonliving	Lesson 1 Review p. 73	5 days
K.PS4.1 K.ETS1.2	Investigate and communicate the idea that objects can only be seen when a light source is present.	CCC – Cause and Effect SEP – Developing and Using Models	Unit 2 Lesson 1 Vocabulary: Bright Dim Light Light source	Lesson 1 Review p. 43	5 days
K.PS1.3	Construct explanations about how an objective made of small pieces can break into pieces and be made into a new object.	CCC – Energy and Matter SEP – Constructing Explanations and Designing Solutions	Unit 1 Lesson 2 Vocabulary: Object Part Whole	Lesson 2 Review p. 23	5 days
K.PS1.1 K.PS1.2 K.PS1.3	Classify materials based on their properties. Conduct investigations to understand that matter can exist in	CCC – Pattern, and Scale, Proportion, and Quantity	Unit 1 Lesson 1 Vocabulary: Color Object	Lesson 1 Review p. 13 Lesson 3 Review p. 32	5 days

K.ETS2.1	different states (i.e. solid and liquid) and has properties that can be observed and tested.	SEP – Planning and Carrying out Controlled Investigations	Physical properties Shape Size Texture Unit 1 Lesson 3 Vocabulary: Liquid, Matter Solid		
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2nd Quarter

Standard(s)	Learning Objective(s)	CCC/SEP	McGraw Hill Alignment	Assessments	Pacing
K.LS1.1	Describe characteristics of insects. Classify bugs as insects or not insects		Wonders Unit 2 Week 3 Vocabulary: Insects Wings Legs Antennae Head Thorax Abdomen		5 days
K.PS4.1	Investigate and communicate the ideas how sound can make matter vibrate and that vibrating matter can make sound. Explaining that sound can change in volume or pitch.	CCC – Cause and Effect SEP – Analyzing and Interpreting Data Developing and Using Models	Unit 2 Lesson 2 Vocabulary: Sound Sound Waves Vibrate Unit 2 Lesson 3 Vocabulary : Pitch Volume	Lesson 2 Review p. 53 Lesson 3 Review p. 62	5 days
K.ETS1.1 K.ETS1.2	Explain that people find solutions to problems.	CCC – Structure and Function	Wonders Unit 4 Week 3		5 days

K.ETS1.3	Identify engineers as people who solve problems. Identify the steps in the design process.	SEP – Engaging in Argument from Evidence			
3rd Quarter					
Standard(s)	Learning Objective(s)	CCC/SEP	Savvas Alignment	Assessments	Pacing
K.LS1.3 K.ESS3.1	Construct explanations about the patterns of where plants live and thier needs.	CCC – Systems and Systems Models SEP – Obtaining, Evaluating, and Communication Information	Unit 3 Module Plants and Animals Lesson 1 Wonders Unit 5 Week 1 Wonders Unit 5 Week 2 Vocabulary: Arctic Desert Forest Lake Meadow Pond River	Lesson Review p. 105	14 days
K.ESS2.1 K.ESS2.2 K.ETS1.2 K.ETS1.3 K.ETS2.1	Students will analyze and interpret data to descrive and measure weather pattern.	CCC – Patterns SEP – Analyzing and Interpreting Data	Unit 5 Lesson 1 Vocabulary: Temperature Thermometer Weather	Lesson Review p. 159	3 days

K.ESS2.2 K.ESS2.3 K.ETS1.3	Students will analyze and interpret data to describe and measure weather patterns	CCC – Patterns SEP – Analyzing and Interpreting Data	Unit 5 Lesson 2 Vocabulary: Season Fall Spring Summer Winter	Lesson Review p. 167	2 days
K.ESS2.2 K.ETS1.2 K.ETS1.3 K.ETS2.1	Students will analyze and interpret data to describe and measure weather patterns	CCC – Patterns SEP – Asking Questions and Defining Problems	Unit 5 Lesson 3 Vocabulary: Forecast	Lesson Review p. 177	5 days
K.ESS3.2 K.ETS1.2 K.ETS1.3	Students will analyze and interpret data to describe and measure weather patterns	CCC- Cause and Effect SEP – Asking Questions and Defining Problems SEP – Obtaining, Evaluating, and Communication Information	Unit 5 Lesson 4 Vocabulary: Drought Severe Blizzard Hurricane Thunderstorm Tornado	Lesson Review p. 188	5 days
K.LS1.1 K.ESS3.1	Students will make observations about how plants and animals use their parts to model what they need to live and grow.	CCC-Structure and Function SEP- Engaging in Argument from Evidence	Unit 3 Lesson 2 Vocabulary: Need	Lesson Review p. 83	5 days
K.LS3.1	Students will make observations about how plants and animals are alike and different from their parents.	CCC – Structure and Function CCC- pattern SEP – Analyzing and Interpreting Data	Unit 3 Lesson 3 Vocabulary: Parent Plant	Lesson Review p. 93	5 days

4th Quarter					
Standard(s)	Learning Objective(s)	CCC/SEP	McGraw Hill Alignment	Assessments	Pacing
K.ESS3.1 K.ETS1.1 K.ETS1.2	Identify and engage in discussions about natural resources and how their uses affects the environment.	CCC – Cause and Effect, Systems and Systems Model SEP – Constructing Explanations and Designing Solutions, Engaging in Argument from Evidence, Obtaining, Evaluating, and Communicating Information	Unit 4 lesson 1 Vocabulary : Materials Natural Resources	Lesson 1 Review p. 135	5 days
K.ESS3.3 K.ETS1.2 K.ETS1.3	Communicate solutions that will effect humans on the land, water, air and/or other living things in the local environment.	CCC – Cause and Effect SEP – Obtaining, Evaluating, and Communicating Information	Unit 4 Lesson 2 Vocabulary: Recycle Reduce Reuse	Lesson 2 Review p. 146	5 days