



Wayne County Schools – Grade 4 – Science



2019-2020

	1 st Nine Weeks		2 nd Nine Weeks		3 rd Nine Weeks		4 th Nine Weeks
Unit	<i>Earth Science-Stars & Solar System Unit 1</i> Aug. 8-Oct. 4	<i>Earth Science-Weather Unit 2</i> Oct. 7-Nov. 22	<i>Physical Science-Light Unit 3A</i> Dec. 2-Dec. 20	<i>Physical Science-Sound Unit 3B</i> Jan. 6-Jan. 24	<i>Physical Science Forces & Motion Unit 4</i> Jan. 27-March 6	<i>Life Science-Ecology Unit 5</i> March 9-May 21	
Standards	Ay 17E1.a-d E2.a-c	E3.a-b E4.a-d	P1.a-c	P2.a-b	P3.a-c	L1.a-d	
Crosscutting Concepts	-Patterns -Scale, Proportion, and Quantity -Systems & System Models	-Patterns -Energy & Matter -Systems & System Models -Cause & Effect	-Energy & Matter	-Energy & Matter	-Energy & Matter -Cause & Effect	-Energy & Matter -Structure & Function	
Core Ideas	-Technological Advances for Space -Stars -Planets -Moon Phases -Earth's orbit & tilt -Light Refraction	-Cloud Formation -Weather Instruments -Moon Phases -States of water -Water cycle -Weather Instruments -Weather maps -Cloud types -Weather & climate	-Opaque, transparent, translucent -Reflection -Refraction	-Strength & speed of sound vibration -Communication device	-Balanced & unbalanced forces -Gravitational force -Simple machines	-Ecosystems -Food chains/webs -Changes impacting ecosystems -Scarcity, extinction, overabundance	
Science & Engineering Practices	-Asking questions -Construction explanations -Engaging in arguments from evidence -Obtaining, evaluating, and communicating -Developing & using models	-Asking questions -Analyzing & interpreting data -Constructing explanations -Obtaining, evaluating, and communicating -Planning & carrying out investigations -Developing & using models	-Asking questions -Designing Solutions -Obtaining, evaluating, and communicating -Planning & carrying out investigations -Developing & using models	- Asking questions -Designing Solutions -Obtaining, evaluating, and communicating -Planning & carrying out investigations -Developing & using models	-Asking questions -Obtaining, evaluating, and communicating -Analyzing & interpreting data -Constructing explanations -Developing & using models	-Asking questions & defining problems -Developing and using models -Constructing explanations and designing solutions -Obtaining, evaluating, and communicating	

Anchoring Phenomenon: <https://www.georgiastandards.org/Georgia-Standards/Documents/Science-4th-Grade-Curriculum-Map.pdf> For resources, deconstructed standards, and unit frameworks see Team Drive within Google.