



# Wayne County Schools – Grade 4 – Science



## 2018-2019

	1 <sup>st</sup> Nine Weeks		2 <sup>nd</sup> Nine Weeks		3 <sup>rd</sup> Nine Weeks		4 <sup>th</sup> Nine Weeks
<b>Unit</b>	<i>Earth Science-Stars &amp; Solar System Unit 1</i>  Aug. 3-Sept. 21	<i>Earth Science-Weather Unit 2</i>  Sept. 24-Nov. 9	<i>Physical Science-Light Unit 3A</i>  Nov. 12-Dec. 14	<i>Physical Science-Sound Unit 3B</i>  Jan. 4-Jan. 25	<i>Physical Science Forces &amp; Motion Unit 4</i>  Jan. 28-March 7	<i>Life Science-Ecology Unit 5</i>  March 11-May 17	
<b>Standards</b>	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	
<b>Crosscutting Concepts</b>	-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	
<b>Core Ideas</b>	-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	
<b>Science &amp; Engineering Practices</b>	-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.