

This Year-At-A-Glance document is intended to provide chunks, in a logical and progressive manner, of what is expected for students to know and be able to do over the course of a year. It serves as a suggested timeline for planning, but the focus remains on the learner and should not be viewed as a coverage of content. Through ongoing monitoring of student progress, adjustments need to be made to provide students the necessary supports in order to reach the year-end learning goals.

Definitions

- **Essential Standards:** Students must know and have mastered these standards by the end of each school year in order to be prepared to enter the next grade level or course. The determining elements for essential standards include endurance, leverage, and readiness.
 - *Endurance:* The standard is a prerequisite for learning in other grade level(s) or course(s).
 - *Leverage:* The standard connects to multiple subject areas.
 - *Readiness:* The standard is pivotal for students to master so they can be successful in school and life.
- **Recurring Standards:** Any standard that is bold and italicized identifies standards that are recurring, meaning they have been addressed at some point during the course of the year and prior to that unit.
- **Applying Standards:** Students will apply standards they learned in ELA and Math in their Science lessons.

Quarter Addressed	Major Concepts/Targets	Standards	
		Essential Standards	Applying English Language Arts and Mathematics Standards
1st Quarter	Unit 1A Science Safety, Lab Procedures, & 3D Team Challenge: The Spotlight <u>How do scientists and engineers work as a team?</u> 1.5 Weeks	SEP3 SEP4 CCC2	
	Unit 1B My Journey West <u>How can we use models to understand and describe the land?</u> 3 Weeks	2.ESS2.2	ELA 2.1.R.1, 2.1.R.2, 2.1.R.3, 2.1.W.2 2.2.R.1, 2.2.R.2, 2.2.W.1, 2.2.W.2 2.3.R.1, 2.3.R.5, 2.3.R.7, 2.3.W.2 2.2.R.1, 2.4.W.1, 2.4.W.2 2.6.R.1, 2.6.R.2, 2.6.R.3, 2.6.W.1, 2.6.W.2, 2.6.W.3 Math 2.D.1, 2.GM.1, 2.GM.2, and 2.N.1
	Unit 1C My Journey West <u>Where is water found in a landscape?</u> 2.5 Weeks	2.ESS2.2 2.ESS2.3	
	Unit 1D My Journey West <u>How can we describe the water around the world?</u>	2.ESS2.3	

	1 Week		
	Unit 1E My Journey West <u>How can we use our understanding of maps in our own lives?</u> 1 Week	2.ESS2.2 2.ESS2.3	
2nd Quarter	Unit 2A Master of Materials <u>How are different kinds of materials similar and different?</u> 1.5 Weeks	2.PS1.1	ELA 2.1.R.1, 2.1.R.2, 2.1.R.3, 2.1.W.1, 2.1.W.2 2.2.R.2, 2.2.W.1, 2.2.W.2 2.3.R.7, 2.3.W.2 2.4.R.1, 2.4.R.3, 2.4.W.1, 2.4.W.2 2.6.R.1, 2.6.R.2, 2.6.R.3, 2.6.W.1, 2.6.W.2, 2.6.W.3 Math 2.D.1, 2.N.1, and 2.N.2
	Unit 2B Master of Materials <u>How can testing materials help us to understand their properties and how they can be used?</u> 1.5 Weeks	2.PS1.1 2.PS1.2	
	Unit 2C Master of Materials <u>What materials are best for building a strong structure?</u> 1.5 Weeks	2.PS1.1	
	Unit 2D Master of Materials <u>How can the properties of materials change?</u> 1.5 Weeks	2.PS1.4	
	Unit 2E Master of Materials <u>How can we use the same materials to make something new?</u> 2 Weeks	2.PS1.2 2.PS1.3	
3rd Quarter	Unit 3A Save the Island <u>How long does it take landscapes to change?</u> 3.5 Weeks	2.ESS1.1	ELA 2.1.R.1, 2.1.R.2, 2.1.R.3, 2.1.W.1, 2.1.W.2 2.2.R.1 2.3.R.1, 2.3.R.5, 2.3.R.7, 2.3.W.2, 2.3.W.3 2.4.R.1, 2.4.W.1, 2.4.W.2 2.6.R.2, 2.6.R.3, 2.6.W.2, 2.6.W.3 Math

	Unit 3B Save the Island <u>How do water and wind change landscapes?</u> 1.5 Weeks	2.ESS2.1	2.N.1
	Unit 3C Save the Island <u>How can we protect places from erosion by water and wind?</u> 1.5 Weeks		
	Unit 3D Save the Island <u>How can we save Tangier Island?</u> 1.5 Weeks		
4th Quarter	Unit 4A A Garden for Life <u>How can we compare different habitats?</u> 2.5 Weeks	2.LS4.1	ELA 2.1.R.1, 2.1.R.2, 2.1.R.3, 2.1.W.1, 2.1.W.2 2.2.R.1 2.3.R.1, 2.3.R.7, 2.3.W.2 2.4.W.1, 2.4.W.2 2.6.R.1, 2.6.R.2, 2.6.R.3, 2.6.W.1, 2.6.W.2, 2.6.W.3 Math 2.D.1 and 2.GM.1
	Unit 4B A Garden for Life <u>How can we help the plants in our garden grow?</u> 1.5 Weeks	2.LS2.1	
	Unit 4C A Garden for Life <u>How will the plants and animals in our garden depend on each other?</u> 1.5 Weeks	2.LS2.2	
	Unit 4D A Garden for Life <u>How can we design a garden that will help pollinators?</u> 1.5 Weeks	2.LS2.2 2.LS4.1	