

# 8th Grade Science Curriculum Map

Unit/time frame	Title	Disciplinary Core Ideas	Performance Expectations
<b>Quarter 1</b> Unit 1 2 weeks  Unit 2 3 weeks  Unit 3 4 weeks	Scientific Practices/Lab Safety  Scientific Practices/ Measurement/metrics/Graphin g  Scientific Practices/Nature of Science		
<b>Quarter 2</b> Engineering Unit/ 3 Weeks  Unit 4 3 weeks	Engineering Practices/Hydraulic Animals  Earth's Place in the Universe	ETS1.A Defining and Delimiting and Engineering Problem ETS1.B Developing Possible Solutions ETS1.C Optimizing Design Solution  ESS1-C History of the Earth	ETS 1-1 ETS 1-2 ETS 1-3 ETS 1-4  ESS1-4 ESS2-3
<b>Quarter 3</b> Unit 5 2 weeks  Unit 6 4 weeks  Unit 7 3 weeks	Biological Evolution: Unity & Diversity  Ecosystem: Interactions, Energy & Dynamics  Earth and Human Activity	LS4-A Evidence of Common Ancestry LS4-B Natural Selection LS4-C Adaptation  LS2-C Ecosystem Dynamics, Functioning and Resilience LS2-D Biodiversity and Humans  ESS3-C Human Impacts on Earth Systems:	LS4-1 LS4-2 LS4-3 LS4-4 LS4-5 LS4-6  LS2-4 LS2-5  ESS3-3 ESS3-4

<p><b>Quarter 4</b></p> <p>Unit 7 6 weeks</p> <p>Unit 8 3 weeks</p>	<p>Earth and Human Activity</p> <p>Earth's Systems</p>	<p>ESS3-C Human Impacts on Earth Systems: ESS3-D Global Climate Change</p> <p>ESS2-C Roles of Water in Earth's Surface Process ESS2-D Weather and Climate</p>	<p>ESS3-3 ESS3-4 ESS3-5</p> <p>ESS2-5 ESS2-6</p>
<p>THROUGHOUT ALL UNITS</p>	<p>Engineering Design</p>	<p>ETS1.A Defining and Delimiting and Engineering Problem ETS1.B Developing Possible Solutions ETS1.C Optimizing Design Solution</p>	<p>ETS 1-1 ETS 1-2 ETS 1-3 ETS 1-4</p>