		SCS 6 <sup>th</sup> Gra	de Yearlong Scope and	d Sequence		
Unit 1 Energy	Unit 2 Relationships Among Organisms	Unit 3 Earth's Biomes and Ecosystems	Unit 4 Earth's Resources and Human Impact on the Environment	Unit 5 Earth's Water	Unit 6 Earth's Systems	Unit 7 Weather and Climate
9 weeks	3 weeks	6 weeks	3 weeks	3 weeks	3 weeks	9 weeks
		UNIT 1	: Energy [9 weeks]			
Overarching Question(s)	Discip <mark>lin</mark> ary Core Ideas					neering Practices
How is energy transferred and conserved?	6.PS3: Energy 6.ETS1: Engineering Design	elastic potential, graviand thermal energy.  6.PS3.3 Analyze and in between kinetic energy speed.  6.PS3.2 Construct a so between potential and thermal energy) move conduction, or convection.	nterpret data to show to and the mass of an objection of the control of the contr	tric potential, chemical, he relationship object in motion and its the transformations trate the way that heat ugh radiation,	1. Asking Questions Problems 2. Developing and U 3. Planning and carr investigations 4. Analyzing and int 6. Constructing Expl Designing Solution  Crosscuttin 2. Cause and Effect 3. Scale, Proportion 5. Energy and Matte	Ising Models  ying out controlled  erpreting data anations and  ns  ng Concepts  , and Quantity

		SCS 6 <sup>th</sup> Gra	ide Yearlong Scope and	d Sequence		
Unit 1 Energy	Unit 2 Relationships Among Organisms	Unit 3 Earth's Biomes and Ecosystems	Unit 4 Earth's Resources and Human Impact on the Environment	Unit 5 Earth's Water	Unit 6 Earth's Systems	Unit 7 Weather and Climate
9 weeks	3 weeks	6 weeks	3 weeks	3 weeks	3 weeks	9 weeks
		Unit 2: Relationship	os Among Organisms [3	3 weeks]		
Overarching Question(s)	Discipl <mark>in</mark> ary Core Ideas		Standards		Science & Engineering Practices	
How do organisms interact with the living and nonliving environments to obtain matter and energy?  How do matter and energy move through an ecosystem?  How do organisms interact in groups so as to benefit individuals?	6.LS2: Ecosystems: Interactions, Energy, and Dynamics	variables on population  6.LS2.2 Determine the predatory interactions  6.LS2.3 Draw conclusion food web and energy  6.LS2.7 Compare and	LS2.1 Evaluate and communicate the impact of environmental ariables on population size.  LS2.2 Determine the impact of competitive, symbiotic, and predatory interactions in an ecosystem.  LS2.3 Draw conclusions about the transfer of energy through a good web and energy pyramid in an ecosystem.  LS2.7 Compare and contrast auditory and visual methods of communication among organisms in relation to survival strategies of a population.		<ul> <li>2. Developing and using models</li> <li>4. Analyzing and interpreting data</li> <li>7. Engaging in argument from evidence</li> <li>Crosscutting Concepts</li> <li>2. Cause and Effect</li> <li>5. Energy and Matter</li> <li>7. Stability and Change</li> </ul>	
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		SCS 6 <sup>th</sup> Gra	de Yearlong Scope and	l Sequence		
Unit 1 Energy	Unit 2 Relationships Among Organisms	Unit 3 Earth's Biomes and Ecosystems	Unit 4 Earth's Resources and Human Impact on the Environment	Unit 5 Earth's Water	Unit 6 Earth's Systems	Unit 7 Weather and Climate
9 weeks	3 weeks	6 weeks	3 weeks	3 weeks	3 weeks	9 weeks
		Unit 3: Earth's Bior	nes and Ecosystems [6	weeks]		
Overarching Question(s)	Discip <mark>lin</mark> ary Core Ideas	Standards			Science & Engineering Practices	
ecosystems when the environment changes?  What is biodiversity, how do humans affect it, and how does it	5.LS2: Ecosystems: Interactions, Energy, and Dynamics  6.LS4: Biological Change: Unity and Diversity  6.ETS1: Engineering Design	the patterns of abiotic specifically the tundra rainforest, marine, and 6.LS2.5 Analyze existing invasive species on nature of the second of t	vays in which an ecosystanges in physical conditactions, and natural cananges in biodiversity was districted in a constraint of the constraints on solution for maintain the constraints on solution constraints on solution.	efferent biomes, st, desert, grasslands, ins.  effect of a specific nessee and design a stem has changed over stions, population tastrophes.  yould impact sining biodiversity of man resources without	<ol> <li>Patterns</li> <li>Cause and Effect</li> <li>Systems and Systems</li> <li>Stability and Char</li> </ol>	sing models nent from evidence ting, and rmation ng Concepts em Models

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Unit 1	Unit 2	Unit 3	nde Yearlong Scope and Unit 4	Unit 5	Unit 6	Unit 7
Energy	Relationships Among Organisms	Earth's Biomes and Ecosystems	Earth's Resources and Human Impact on the Environment	Earth's Water	Earth's Systems	Weather and Climate
9 weeks	3 weeks	6 weeks	3 weeks	3 weeks	3 weeks	9 weeks
	Unit 4: Ea	arth's Resources and Hu	uman Impact on the Er	nvironment [3 weeks]		
Overarching Question(s)	Discipl <mark>in</mark> ary Core Ideas		Standards		Scie <mark>nce</mark> & Engi	neering Practices
How do humans depend on Earth's resources?  How do humans change the planet?	6.ESS3: Earth and Human Activity	resources by asking questions and sustainability.  6.ESS3.2 Investigate attechnologies that utilize resources.  6.ESS3.3 Assess the importance of the sustainability.	nd compare existing and ze renewable and alternations about their available and alternations.	ailability and  nd developing rnative energy  iies on the biosphere	2. Developing and u 7. Engaging in argun 8. Obtaining, evalua communicating info  Crosscuttin 2. Cause and Effect 4. Systems and Syste 5. Energy and Matte	nent from evidence ting, and rmation ng Concepts em Models

		SCS 6 <sup>th</sup> Gra	de Yearlong Scope and	Sequence			
Unit 1 Energy	Unit 2 Relationships Among Organisms	Unit 3 Earth's Biomes and Ecosystems	Unit 4 Earth's Resources and Human Impact on the Environment	Unit 5 Earth's Water	Unit 6 Earth's Systems	Unit 7 Weather and Climate	
9 weeks	3 weeks	6 weeks	3 weeks	3 weeks	3 weeks	9 weeks	
		Unit 5: Ea	rth's Water [3 weeks]				
Overarching Question(s)	Discip <mark>lin</mark> ary Core Ideas		Standards	10	Science & Engineering Practices		
How do living organisms alter Earth's processes and structures?	6.ESS2: Earth's System		fic principles to design a act of humans and other		8. Obtaining, evalua communicating info  Crosscuttin  4. Systems and Systems	rmation ng Concepts	

Shelly esunty series		SCS 6th Gra	de Yearlong Scope and	d Sequence		
Unit 1 Energy	Unit 2 Relationships Among Organisms	Unit 3 Earth's Biomes and Ecosystems	Unit 4 Earth's Resources and Human Impact on the Environment	Unit 5 Earth's Water	Unit 6 Earth's Systems	Unit 7 Weather and Climate
9 weeks	3 weeks	6 weeks	3 weeks	3 weeks	3 weeks	9 weeks
		Unit 6: Ear	th's Systems [3 weeks]			
Overarching Question(s)  How do the properties and movements of water shape Earth's surface and affect its systems?	Disciplinary Core Ideas  6.ESS2: Earth's Systems	6.ESS2.1 Gather evide are caused by the sunsalt concentration lead 6.ESS2.2 Diagram conheating of the earth. 6.ESS2.3 Construct an	Standards  nce to justify that ocea 's transfer of heat ener ding to global water mo vection patterns that fle explanation for how at	nic convection currents gy and differences in ovement.  ow due to uneven	2. Developing and u 6. Constructing expl designing solutions 7. Engaging in argun	anations and nent from evidence ng Concepts
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Unit 1 Energy	Unit 2 Relationships	Unit 3	Unit 4	Unit 5	Unit 6	1164.7	
	Among Organisms	Earth's Biomes and Ecosystems	Earth's Resources and Human Impact on the Environment	Earth's Water	Earth's Systems	Unit 7 Weather and Climate	
9 weeks	3 weeks	6 weeks	3 weeks	3 weeks	3 weeks	9 weeks	
		UNIT 7: Weath	er and Climate [ 9 wee	eks]			
Overarching	Discip <mark>lin</mark> ary Core		Standards	40	Science & Engineering Practices		
Overarching Question(s)  What regulates weather and climate?	Disciplinary Core Ideas  6.ESS2: Earth's Systems	geographic features, a region through heat trees.  6.ESS2.5 Analyze and is weather maps, satellit weather patterns and 6.ESS2.6 Explain how interactions of air mass	explanation for how at and ocean currents affe ransfer. interpret data from we ses, and radar to predic	ect the climate of a sather conditions, et probable local the movement and sure systems, and	2. Developing and Using Models 4. Analyzing and interpreting data 7. Engaging in argument from evide  Crosscutting Concepts  2. Cause and Effect 4. Systems and system models 7. Stability and change		
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