

Quarter 1

Scope	Standards	Activities	Suggested Pacing	Notes
Environments and Populations	6.LS2.1	Engage	Accessing Prior Knowledge Scope Phenomenon (15 minutes)	*Activities in blue are required. Predicted number of days are based on what is blue only. *Running short on time- consider cutting the elaborate or shortening activities within the Explain. For example: Explore Activity 1- Ecosystem Interactions can be shortened by including fewer scenarios. * Picture vocabulary can be posted around the room prior to the start of lesson. But all vocabulary is addressed in the linking literacy.
		Explore	Explore 1: Activity –Ecosystem and Interactions (45 minutes) Explore 2: Scientific Investigation: Finding Biotic and Abiotic Factors	
		Explain	Picture vocabulary Linking Literacy (45 minutes) Picture vocabulary activity	
		Elaborate	Teacher Choice (45 minutes)	
		Evaluate	Claim-Evidence Reasoning Open-ended Response Multiple choice Assessment (45 minutes)	
		Flex/ Response to Data	3 days *Given for extra time for a previous lesson and intervention in response to assessments/ enrichment.	
		Total	8 days	
Scope	Standards	Activities	Suggested Pacing	Notes
Interactions in an Ecosystem	6.LS2.2	Engage	Accessing Prior Knowledge Scope Phenomenon (15 minutes)	*Activities in blue are required
		Explore	Explore 1: Activity-Matching Symbiotic Buddies (30 mins) Explore 2: Scientific Investigation- Interactions in the Garden	

			Explore 3: Activity- Predicting Predation Explore 4: Activity- Ecosystem Relationships (60 mins)	
		Explain	Picture vocabulary Linking Literacy (45 minutes) Picture vocabulary activity	
		Elaborate	Teacher Choice (45 minutes)	
		Evaluate	Claim-Evidence Reasoning Open-ended Response Multiple choice Assessment (45 minutes)	
		Flex/ Response to Data	3 days *Given for extra time for a previous lesson and intervention in response to assessments/ enrichment.	
		Total	9 days	
Scope	Standards	Activities	Suggested Pacing	Notes
Matter and Energy in Food Webs	6.LS.3	Engage	Accessing Prior Knowledge Scope Phenomenon (15 minutes)	*Activities in blue are required
		Explore	Explore 1: Activity- Food Webs (30 minutes) Explore 2: Scientific Investigation- Earthworms: Molecular Movers Explore 3: Engineering Solution-Energy and Matter Pyramid (110 minutes)	
		Explain	Picture vocabulary Linking Literacy (45 minutes) Picture vocabulary activity	
		Elaborate	Teacher Choice (45 minutes)	
		Evaluate	Claim-Evidence Reasoning Open-ended Response Multiple choice Assessment (45 minutes)	
		Flex/ Response to Data	3 days *Given for extra time for a previous lesson and	

			intervention in response to assessments/ enrichment.	
		Total	8 days	
Scope	Standards	Activities	Suggested Pacing	Notes
Abiotic and Biotic Factors in Biomes	6.LS2.4	Engage	Accessing Prior Knowledge Scope Phenomenon (15 minutes)	*Activities in blue are required *Consider changing the Biome portion of Explore 2 to a gallery walk rather than presentations to save time.
		Explore	Explore 1: Activity-Ecosystems Events and Relationships (30 minutes) Explore 2: Activity-Environments and Ecosystems (90 minutes)	
		Explain	Picture vocabulary Linking Literacy (45 minutes) Picture vocabulary activity	
		Elaborate	Teacher Choice (45 minutes)	
		Evaluate	Claim-Evidence Reasoning Open-ended Response Multiple choice Assessment (45 minutes)	
		Flex/ Response to Data	3 days *Given for extra time for a previous lesson and intervention in response to assessments/ enrichment.	
		Total	9 days	
Scope	Standards	Activities	Suggested Pacing	Notes
Invasive Species	6.LS2.5	Engage	Accessing Prior Knowledge Scope Phenomenon (15 minutes)	*Activities in blue are required * Teachers have a choice between Explore 2 or 3. Both do not have to be completed.
		Explore	Explore 1: Scientific Investigation Modeling an Algal Bloom Explore 2: PBL Giants Alive (90 minutes) OR Explore 3: Engineering Solution: Salvinia Solution (100 minutes)	
		Explain	Picture vocabulary Linking Literacy (45 minutes) Picture vocabulary activity	

		Elaborate	Teacher Choice (45 minutes)	
		Evaluate	Claim-Evidence Reasoning Open-ended Response Multiple choice Assessment (45 minutes)	
		Flex/ Response to Data	3 days *Given for extra time for a previous lesson and intervention in response to assessments/ enrichment.	
		Total	9 days	

3 flex days for End of Quarter

Quarter 2

Scope	Standards	Activities	Suggested Pacing	Notes
Ecosystem Biodiversity	6.LS4.1 6.ETS1.1	Engage	Accessing Prior Knowledge Scope Phenomenon (15 minutes)	*Activities in blue are required * Teachers have a choice between Explore 3 or 4. Both do not have to be completed.
		Explore	Explore 1: Activity: Monoculture vs. Biodiversity (30 minutes) Explore 2: Activity- Ocean Biodiversity (45 mnutes) Explore 3: Activity- Biodiversity and Ecological Services (90 minutes) OR Explore 4: Engineering Solution- Designing an Ecotourist's Dream (100 minutes)	
		Explain	Picture vocabulary Linking Literacy (45 minutes) Picture vocabulary activity	
		Elaborate	Teacher Choice (45 minutes)	
		Evaluate	Claim-Evidence Reasoning Open-ended Response Multiple choice Assessment (45 minutes)	
		Flex/ Response to Data	3 days	

			*Given for extra time for a previous lesson and intervention in response to assessments/ enrichment.	
		Total	10 days	
Scope	Standards	Activities	Suggested Pacing	Notes
Conservation of Energy	6.PS3.1	Engage	Accessing Prior Knowledge Scope Phenomenon (15 minutes)	*Activities in blue are required
		Explore	Explore1: Scientific Investigation: Energy Stations (60 minutes)	
		Explain	Picture vocabulary Linking Literacy (45 minutes) Picture vocabulary activity	
		Elaborate	Teacher Choice (45 minutes)	
		Evaluate	Claim-Evidence Reasoning Open-ended Response Multiple choice Assessment (45 minutes)	
		Flex/ Response to Data	3 days *Given for extra time for a previous lesson and intervention in response to assessments/ enrichment.	
		Total	8 days	
Scope	Standards	Activities	Suggested Pacing	Notes
Energy Transfer	6.PS3.2 6.ETS1.2	Engage	Accessing Prior Knowledge Scope Phenomenon (15 minutes)	*Activities in blue are required
		Explore	Explore 1: Scientific Investigation- Hot in Here (75 minutes) Explore 2: Engineering Solution- build an Oven	
		Explain	Picture vocabulary Linking Literacy (45 minutes) Picture vocabulary activity	
		Elaborate	Teacher Choice (45 minutes)	
		Evaluate	Claim-Evidence Reasoning Open-ended Response Multiple choice Assessment (45 minutes)	

		Flex/ Response to Data	3 days *Given for extra time for a previous lesson and intervention in response to assessments/ enrichment.	
		Total	8 days	
Scope	Standards	Activities	Suggested Pacing	Notes
Global Water Movement	6.ESS2.1 6.ESS2.2	Engage	Accessing Prior Knowledge Scope Phenomenon (15 minutes)	*Activities in blue are required While not required- Explore 3: Deep Ocean currents is strongly suggested if materials are available.
		Explore	Explore 1: Scientific Investigation- Interacting Energy Explore 2: Activity- Density of Water (75 minutes) Explore 3: Activity- Deep Ocen Currents (90 minutes)	
		Explain	Picture vocabulary Linking Literacy (45 minutes) Picture vocabulary activity	
		Elaborate	Teacher Choice (45 minutes)	
		Evaluate	Claim-Evidence Reasoning Open-ended Response Multiple choice Assessment (45 minutes)	
		Flex/ Response to Data	3 days *Given for extra time for a previous lesson and intervention in response to assessments/ enrichment.	
		Total	10 days	
3 Flex Days at end of Quarter 2				
Quarter 3				
Scope	Standards	Activities	Suggested Pacing	Notes
Regional Climate	6.ESS2.3	Engage	Accessing Prior Knowledge Scope Phenomenon (15 minutes)	*Activities in blue are required
		Explore	Explore 1: Activity- Rain Shadows and Moisture (30 mins)	

			Explore 2: Ocean Currents and Water in the Atmosphere (45 minutes) Explore 3: PBL- Bad Storm Brewing	
		Explain	Picture vocabulary Linking Literacy (45 minutes) Picture vocabulary activity	
		Elaborate	Teacher Choice (45 minutes)	
		Evaluate	Claim-Evidence Reasoning Open-ended Response Multiple choice Assessment (45 minutes)	
		Flex/ Response to Data	2 days *Given for extra time for a previous lesson and intervention in response to assessments/ enrichment.	
		Total	7 days	
Scope	Standards	Activities	Suggested Pacing	Notes
Humans and Water Cycle	6.ESS2.4 6.ESS2.5	Engage	Accessing Prior Knowledge Scope Phenomenon (15 minutes)	*Activities in blue are required * Option to shorten number of turns in the Water cycle game if you are running out of time in a class period.
		Explore	Explore 1: Activity - The Mechanisms of the Water Cycle Explore 2: Activity - Water Cycle Game (30 minutes) Explore 3: Activity - Impacts on the Water Cycle (45 minutes) Explore 4: Engineering Solution - Impact Analysis	
		Explain	Picture vocabulary Linking Literacy (45 minutes) Picture vocabulary activity	
		Elaborate	Teacher Choice (45 minutes)	
		Evaluate	Claim-Evidence Reasoning Open-ended Response Multiple choice Assessment (45 minutes)	

		Flex/ Response to Data	3 days *Given for extra time for a previous lesson and intervention in response to assessments/ enrichment.	
		Total	8 days	
Scope	Standards	Activities	Suggested Pacing	Notes
Greenhouse Gases	6.ESS2.6	Engage	Accessing Prior Knowledge Scope Phenomenon (15 minutes)	*Activities in blue are required *Explore is optional if materials are not available
		Explore	Explore 1: Activity - Habitability	
		Explain	Picture vocabulary Linking Literacy (45 minutes) Picture vocabulary activity	
		Elaborate	Teacher Choice (45 minutes)	
		Evaluate	Claim-Evidence Reasoning Open-ended Response Multiple choice Assessment (45 minutes)	
		Flex/ Response to Data	1 days *Given for extra time for a previous lesson and intervention in response to assessments/ enrichment.	
		Total	6 days	
Scope	Standards	Activities	Suggested Pacing	Notes
Predicting Weather	6.ESS2.6	Engage	Accessing Prior Knowledge Scope Phenomenon (15 minutes)	*Activities in blue are required
		Explore	Explore 1: Activity - On the Move (45 mins) Explore 2: Activity - Forecast for Omaha (30 mins)	
		Explain	Picture vocabulary Linking Literacy (45 minutes) Picture vocabulary activity	
		Elaborate	Teacher Choice (45 minutes)	
		Evaluate	Claim-Evidence Reasoning Open-ended Response	

			Multiple choice Assessment (45 minutes)	
		Flex/ Response to Data	3 days *Given for extra time for a previous lesson and intervention in response to assessments/ enrichment.	
		Total	9 days	
Scope	Standards	Activities	Suggested Pacing	Notes
Renewable and Nonrenewable Resources	6.ESS3.1 6.ESS3.2	Engage	Accessing Prior Knowledge Scope Phenomenon (15 minutes)	*Activities in blue are required
		Explore	Explore 1: Activity - Thoughts on Energy Resources (30 mins) Explore 2: Research - Researching Renewable and Nonrenewable Resources (45 mins) Explore 3: Engineering Solution - Alternative Energy for McCally	
		Explain	Picture vocabulary Linking Literacy (45 minutes) Picture vocabulary activity	
		Elaborate	Teacher Choice (45 minutes)	
		Evaluate	Claim-Evidence Reasoning Open-ended Response Multiple choice Assessment (45 minutes)	
		Flex/ Response to Data	2 days *Given for extra time for a previous lesson and intervention in response to assessments/ enrichment.	
		Total	7 days	
Scope	Standards	Activities	Suggested Pacing	Notes
Impacts of Human Activities	6.ESS3.3	Engage	Accessing Prior Knowledge Scope Phenomenon (15 minutes)	*Activities in blue are required

		Explore	Explore 1: Activity - Extinct in Tennessee (75 minutes) Explore 2: Activity - Back From the Brink (90 minutes) Explore 3: Engineering Solution - Engineering a Landfill	
		Explain	Picture vocabulary Linking Literacy (45 minutes) Picture vocabulary activity	
		Elaborate	Teacher Choice (45 minutes)	
		Evaluate	Claim-Evidence Reasoning Open-ended Response Multiple choice Assessment (45 minutes)	
		Flex/ Response to Data	2 days *Given for extra time for a previous lesson and intervention in response to assessments/ enrichment.	
		Total	8 days	
Quarter 4				
Flex Days	n/a		Wrap up Scope prior to Spring Break (3 to 4 days)	
Response to data and TCAP PREP	n/a		Use benchmark and classroom assessment data to: Identify areas of need to review Determine small groups and students to work with	
After TCAP			Choose missed explore and elaborate activities prior to TCAP. Consider some of the PBLs or engineering design challenges	