Grade	Teacher Resources Full Year TG	Unit	Lesson #	Focus	Lesson Question and Link	Standard Prioritized	Lesson Prep	Mystery Pack Materials	Vocabulary Slides	Mini-Lesson Extension
5	Unit 1 Anchor Layer Teacher Guide Unit 1 Student Printouts Unidad 1 Folletos para Estudiantes	1 **Ecosystems & The Food Web** Aligns with CKLA D5 *OSAS Priority	AL	Anchor Layer	Life Inside a Dome	5-PS3-1 5-LS1-1 5-LS2-1	Biosphere Bites - 1 per student See Think Wonder - 1 per student	☐	UI Vocab Slides Englsih Spanish	
			1	Food Chains & Matter Flow	What if all the ants disappeared?	5-LS2-1	Eat or Be Eaten 1 per 4 students Food Chain Finale 1 per student Rules for Eat or Be Eaten 1 per 4 students Teacher Tips	☐	English Spanish	Why are flamingos pink?
			2	Matter & Plant Growth	How does a tiny seed become one of the heaviest trees on Earth?	5-LS1-1 5-LS2-1	See Prep Instructions Plant Matter Mystery 1 per student Weighing Air 1 per student	☐	English Spanish	
			3	Decomposers & Matter Flow	Where do fallen leaves go?	5-LS2-1	See Prep Instrutions Evidence Board 1 per pair Leaves & Leaf Pile 1 per pair Solve the Case 1 per pair Suspect Cards 1 per pair	☑	English Spanish	How does composting work? Can trees talk to each other? How can you tell if a mushroom is poisonous?
			4	Decomposers & Soil Nutrients	Do worms really eat dirt?	5-LS2-1	See Prep Instructions Ask a Worm 1 per student Worm Watcher 1 per student -Clean Up Supplies - paper towels -Container for Water 1 cup per 8 students -Table covering- 1 per table -Worm Bedding - shreaded paper 50 sheets of paper per class	☑	English Spanish	
			5	Ecosystems & Matter	How could a fish feed a forest?	5-LS2-1	See Prep Instructions Forest Ecosystem- 1 per pair Matter Journal - 1 per student Matter Journal - Answer Key printout	☑	English Spanish	Why does it matter if an animal is endangered?
			6	Protecting Environments	How can we protect Earth's environments?	5-ESS3-1	See Prep Instructions Bloom Busters Rules -1 per 3 students Consequences -1 per 3 students Map of Laketown -1 per 3 students Prevent It! Projects -1 per 3 students Progress Cards & Deck Mat -1 per 3 students	☑	English Spanish	Why are coral reefs so colorful?
			7	Food Webs & Flow of Energy	Why did the dinosaurs go extinct?	5-PS3-1	See Prep Instructions Dino Die-Off Cards- 1 per pair Dinosaur Food Web- 1 per student	☑	English Spanish	
			PT	Performance Task	How could we grow food on Mars?	5-PS3-1 5-LS1-1 5-LS2-1	Students will need their completed **Biosphere Bites** packet Each student will need: Mars Ecosystem Argument Rubric Mars Ecosystem Argument Part 1 packet Mars Ecosystem Argument Part 2 packet Part 1 Organism cards Part 2 Organism cards Food Web Arrows packet (total of 4 pages of arrows)	☐		
	Unit 2 Anchor Layer Teacher Guide Unit 2 Student Printouts Unidad 2 Folletos para Estudiantes	2 **Water Cycle & Earth's Systems** Aligns with CKLA D5 and D7	AL	Anchor Layer	Dust Bowl Disaster	5-ESS2-1	Causes of the Dust Bowl - 1 per student See-think-wonder	☐	U2 Vocab Slides English Spanish	
			1	Hydrosphere & The Roles of Water	How much water is in the world?	5-ESS2-2	See Prep Instructions Bar Graph Labels -1 per class Where In The World Is My Map? - 1 per class World Maps -2 per class	☑	English Spanish	How deep does the ocean go?
			2	Mixtures & Solutions	How much salt is in the ocean?	5-PS1-2	See Prep Instructions Tiny Ocean - 1 per student	☑	English Spanish	Why is the ocean salty? Where does salt come from?
			3	Groundwater as a Natural Resource	When you turn on the faucet, where does the water come from?	5-ESS2-2	Mapmaker's Map-1 per group Plant & Soil Clues-1 per group Wanted: A Well- 1 per group	☐	English Spanish	What's the deepest hole anyone has ever dug?
			4	Water Cycle	Can we make it rain?	5-ESS2-1	See Prep Instructions Rainmaker experiment- 1 per student	☑	English Spanish	Why are rainforests so rainy?
			5	Natural Disasters & Engineering	How can you save a town from a hurricane?	3-5-ETS1-1, 3-5-ETS1-2, 3-5-ETS1-3	See Prep Instructions Beachtown Budget- 1 per student Beachtown Engineers- 1 per group Beachtown Final Plan - 1 per group	☑	English Spanish	What makes hurricanes so dangerous?
			PT	Performance Task	How can you protect a farm from the next Dust Bowl?	5-ESS2-1 5-ESS3-1	See Prep Instructions My Kansas Farm- 1 per student Drought Protection Kits Argument -1 per student Drought Kits Argument Rubric- choose 1	☐		

Grade											
	Unit 3 Anchor Layer Teacher Guide Unit 3 Student Printouts Unidad 3 Folletos para Estudiantes	3 Earth & Space Patterns *OSAS Priority	AL	Anchor Layer	Star Trails	5-PS2-1 5-ESS1-1 5-ESS1-2	Night-Sky Patterns- 1 per student See-Think-Wonder- 1 per student	☐	U3 Vocab Slides English Spanish	
			1	Day, Night, & Earth's Rotation	How fast does the Earth spin?	5-ESS1-2	Dot Stickers- 4 per student Earth Map- 1 per student Sun Model- 1 per pair Crayons- 1 yellow, 1 dark per student Scissors- 1 pair per student	☑	English Spanish	Why do places have different times? Is there a pole at the North Pole?
			2	Earth's Rotation & Daily Shadow Patterns	Who set the first clock?	5-ESS1-2	See Prep Instructions Shadow Clock Template- 1 per pair	☑	English Spanish	
			3	Seasonal Changes & Shadow Length	How can the Sun tell you the season?	5-ESS1-2	No prep	☐	English Spanish	
			4	Seasonal Patterns & Earth's Orbit	Why do the stars change with the seasons?	5-ESS1-2	Paper fastener- 1 fastener per student Ruler- 1 per student Scissors- 1 per student Constelation guide and universe in a box- 1 per student Teacher Tips- 1 per teacher	☑	English Spanish	
			5	Moon Phases, Lunar Cycle	Why does the Moon change shape?	5-ESS1-2	See Prep Instructions	☑	English Spanish	How do we know the Earth is round?
			PT	Performance Task	How can you tell time at night?	5-ESS1-1 5-ESS1-2 3-5-ETS1-1 3-5-ETS1-2	Time Keeper Challenge- 1 per student	☐		
	Unit 4 Anchor Layer Teacher Guide Unit 4 Student Printouts Unidad 4 Folletos para Estudiantes	4 Stars & Planets	AL	Anchor Layer	Wandering Stars	5-PS2-1 5-ESS1-1	See-Think-Wonder - 1 per student Solar System Notebook- 1 per student Wandering Stars- 1 per student	☐	U4 Vocab Slides English Spanish	
			1	Solar System & Sun Brightness	How can the Sun help us explore other planets?	5-ESS1-1	See Prep Instructions Brightness Test- 1 per pair Solar System Scale Model- 1 per pair Test Rover- 1 per pair	☑	English Spanish	Why is Mars red? Is Pluto a planet? Why isn't Pluto a (major) planet anymore?
			2	Gravity	Why is gravity different on other planets?	5-PS2-1	See Prep Instructions Gravity Graph - 1 per student Gravity Jump Data - 1 per student Planet & Moon Exploration Stations 1 per 16 students	☑	English Spanish	What is a supernova? What is a black hole?
			3	Star Brightness & Habitable Planets	Could there be life on other planets?	5-ESS1-1	See Prep Instructions Gravity Guru & Spinning Specialist - 1 per pair Mission Plan - 1 per pair Plant Pro - 1 per pair Starlight Guide - 1 per pair Water Wizard- 1 per pair	☐	English Spanish	Is Earth the only planet with life? How close could an astronaut get to the sun? Are aliens real?
			PT	Performance Task	What's the best place to visit in the solar system?	5-ESS1-1	Solar System Trip Planner - 1 per student Rubric - Teacher Resource	☐		
	Unit 5 Anchor Layer Teacher Guide Unit 5 Student Printouts Unidad 5 Folletos para Estudiantes	5 Chemical Reactions & Properties of Matter *OSAS Priority	AL	Anchor Layer	Disappearing Gargoyles	5-PS1-1 5-PS1-2 5-PS1-3 5-PS1-4	Alchemist Claim Posters - 1 copy per class See-Think-Wonder - 1 copy per student The Alchemist Argument- 1 copy per student The Alchemist Argument Evidence - 1 per student	☐	U5 Vocab Slides English Spanish	
			1	Conservation of Matter	Can you identify a mysterious ingredient?	5-PS1-3	See Prep Instructions Cup Organizer - 1 per pair Mystery Ingredient Observations - 1 per student Mystery Ingredient Observations - Answer Key	☑	English Spanish	Where does metal come from?
			2	Dissolving & Particulate Nature of Matter	Why can you smell things you can't see?	5-PS1-1	See Prep Instructions Cookie Particle Paths -1 per pair Spinner - 1 per pair	☑	English Spanish	How is gold made?
			3	Properties of Matter: Acids	How can you tell if acids are hiding in your fridge?	5-PS1-3	See Prep Instructions Identify the Acids- 1 per student Indentify the Acids - Answer Key	☑	English Spanish	
			4	Gases & Particle Models	Why do some things explode?	5-PS1-4	See Prep Instructions Explosion Investigation Explosion Investigation- Answer Key	☑	English Spanish	Why do icebergs float?
			5	Chemical Reactions	What do fireworks, rubber, and silly putty have in common?	5-PS1-4	See Prep Instructions Goo Testing- 1 per pair	☑	English Spanish	How do fireworks work? How do things glow in the dark?
			PT	Performance Task	What happened to the stone gargoyles over time? PT (Required LPA)	5-PS1-1 5-PS1-2 ...	Final Alchemist Argument - 1 per stuent Final Alchemist Argument Rubric -teacher-only resource	☐		

				If a lesson has been highlighted in grey blue it means the lesson's standard has been covered in Tribal History/Shared History, and is optional. If you skip please be sure to teach the TH/SH lesson that cover this standard.					
				If text is purple it means a Spanish resource has been linked.					
				If text is blue it means an English resource has been linked					
				If prep instructions have been highlighted yellow it means advanced prep is required					
				Updated from last year. Student activity page needs to be printed.					