

# Week 1

Topic	Session	Activity	Any Materials
Welcome - Monday	1 - 2:00-2:50	Pre-Recorded; <a href="#">Making Rock Crystals</a>	<a href="#">Epsom salt</a> , <a href="#">food coloring</a> , <a href="#">250 ml beaker</a> , water  <i>Measurements: ½ cup of epsom salt, ½ cup of water</i>
	2 - 3:00-3:50	Welcome Ice breaker/Get to know each other. Ask questions about one another to familiarize ourselves with students	All About Me PDF on computer
	3 - 4:00-4:50	Game Play: Playing Oxegen Not Included game on steam, which is a game about coding, engineering, and many other STEM-related activities	On Steam

Topic	Session	Activity	Any Materials
Welcome - Tuesday	1 - 2:00-2:50	Pre-Recorded; Play Doh	<b>Play Doh:</b> salt, water, flour, food coloring
	2 - 3:00-3:50	Icebreaker; We will be doing an ice breaker trivia game with the students as a part of an ice breaker, it will have science-related material as well as pop culture, almost like a jeopardy; We will also use this time to introduce Chemistry and Physics through watching some fun videos	Trivia through screen sharing
	3 - 4:00-4:50	Continue Game Play: Playing Oxegen Not Included game on steam, which is a game about	On Steam

		coding, engineering, and many other STEM-related activities	
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Topic	Session	Activity	Any Materials
Welcome - Wednesday	1 - 2:00-2:50	Pre-Recorded; <a href="#">Bug Terrarium</a>	Jar, Dirt, Rocks, Grass, Any decorations, small twigs
	2 - 3:00-3:50	Icebreaker; Pet & Animal Talk, we will be asking more ice breaker questions in case more new students join; We will also be taking a Virtual Field Trip to: <a href="#">San Diego Zoo</a> , <a href="#">Reid Park Zoo</a> , <a href="#">Butterfly Garden</a>	Screen sharing for the virtual field trip - Dest
	3 - 4:00-4:50	Continue Game Play: Playing Oxegen Not Included game on steam, which is a game about coding, engineering, and many other STEM-related	On Steam

Topic	Session	Activity	Any Materials
Welcome - Thursday	1 - 2:00-2:50	Pre-Recorded; <a href="#">DIY Lava Lamp</a>	Bottle, vegetable oil, water, food coloring, <a href="#">alka-seltzer</a>
	2 - 3:00-3:50	Regroup and talk about the experiment they saw earlier then watch <a href="#">Science Max CHEMICAL REACTIONS School Projects</a>	Screen sharing the pre-recorded video
	3 - 4:00-4:50	Watch <a href="#">(NEW) World Record Elephant Toothpaste w/ David Dobrik</a> on youtube and a chemistry video by science max	Youtube + screen sharing by Giselle  Stop at 8:27 and start at 8:55

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Topic	Session	Activity	Any Materials
Welcome - Friday	1 - 2:00-2:50	Pre-Recorded; <a href="#">Making Constellations</a>	5-oz. Dixie™ paper drinking cups, Pre-printed constellation pictures, Pushpins, Glue-Sticks™, (optional) a bright, single-LED flashlight
	2 - 3:00-3:50	Virtual Field Trip to Outer Space, we will be taking a virtual field trip created by NASA, which allows students to visit multiple planets, we will also be watching videos from astronauts, where they discuss what it's like being an astronaut	Screen sharing for the virtual field trip -Giselle
	3 - 4:00-4:50	We will watch a youtube video by - <a href="#">Science Max: Best experiments</a> for the duration of the session	Youtube + screen sharing

## Week 2

Topic	Session	Activity	Any Materials
Geology - Monday	1 - 2:00-2:50	Pre-Recorded; <a href="#">Salt Crystals</a>	Jar, water, salt, spoon, string, scissors, toothpicks <i>Measurements: ½ cup of salt, 2 toothpicks</i>
	2 - 3:00-3:50	<a href="#">Salt Crystals</a>	Jar, water, salt, spoon, string, scissors, toothpicks <i>Measurements: ½ cup of salt, 2 toothpicks</i>
	3 - 4:00-4:50	Game Play (TBD)	Screen sharing by Dest

Topic	Session	Activity	Any Materials
Geology - Tuesday	1 - 2:00-2:50	Pre-Recorded; Play doh	Flour, water, salt, bowl, spoon <i>Measurements: 1 cup of flour, ½ cup of water, ½ cup of salt</i>
	2 - 3:00-3:50	Play doh	Flour, water, salt, bowl, spoon <i>Measurements: 1 cup of flour, ½ cup of water, ½ cup of salt</i>
	3 - 4:00-4:50	Game Play (TBD)	Screen sharing by Jasmine

Topic	Session	Activity	Any Materials
Geology - Wednesday	1 - 2:00-2:50	Pre-Recorded; <a href="#">Make Sediment Jars</a>	Jar, soil, shovel, water
	2 - 3:00-3:50	<a href="#">Make Sediment Jars</a>	Jar, soil, shovel, water
	3 - 4:00-4:50	Game Play (TBD)	Screen sharing by Giselle

Topic	Session	Activity	Any Materials
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Geology - Thursday	1 - 2:00-2:50	Pre-Recorded; <a href="#">Volcanic Eruption!</a>	500 ml water bottle, soil, baking soda, dish soap, red and yellow food colouring, and white vinegar. <i>Measurements: 2 spoonfuls of baking soda, 1 spoonful of dish soap, 30 ml of white vinegar.</i>
	2 - 3:00-3:50	<a href="#">Volcanic Eruption!</a>	500 ml water bottle, soil, baking soda, dish soap, red and yellow food colouring, and white vinegar. <i>Measurements: 2 spoonfuls of baking soda, 1 spoonful of dish soap, 30 ml of white vinegar.</i>
	3 - 4:00-4:50	<a href="#">Unbelievable places that actually exist</a>	Youtube- talk about places they've visited

Topic	Session	Activity	Any Materials
Geology - Friday	1 - 2:00-2:50	Pre-Recorded; <a href="#">Soil Shakeup</a>	Jar, soil, water
	2 - 3:00-3:50	<a href="#">Soil Shakeup</a>	Jar, soil, water
	3 - 4:00-4:50	Watching <a href="#">Top 7 Incredible Places in Iceland you won't believe exist</a>	Youtube; ask if they want to see another video

## Week 3

Topic	Session	Activity	Any Materials
Paleontology - Monday	1 - 2:00-2:50	Pre-Recorded; <a href="#">Create Your Own Fossil</a>	1 cup salt, 1 cup flour, 1/2 cup warm water, dinos, shells
	2 - 3:00-3:50	<a href="#">Create Your Own Fossil</a>	1 cup salt, 1 cup flour, 1/2 cup warm water, dinos, shells
	3 - 4:00-4:50	Game Play (TBD)	Screen sharing by

Topic	Session	Activity	Any Materials
Paleontology - Tuesday	1 - 2:00-2:50	Pre-Recorded; CHALLENGE	
	2 - 3:00-3:50	Prompts/Coloring in the activity book	Activity book
	3 - 4:00-4:50	Game Play (TBD)	Screen sharing by

Topic	Session	Activity	Any Materials
Paleontology - Wednesday	1 - 2:00-2:50	Pre-Recorded; <a href="#">creating a dino skeleton</a>	Dino figures, q tips, black construction paper, crayons, markers
	2 - 3:00-3:50	<a href="#">creating a dino skeleton</a>	Dino figures, q tips, black construction paper, crayons, markers
	3 - 4:00-4:50	Game Play (TBD)	Screen sharing by

Topic	Session	Activity	Any Materials
Paleontology - Thursday	1 - 2:00-2:50	Pre-Recorded; <a href="#">Amber Fossil Craft</a>	crayons, paint, glue, paintbrush, scissors, white paper (paper with insect or flower cutouts)
	2 - 3:00-3:50	<a href="#">Amber Fossil Craft</a>	crayons, paint, glue, paintbrush, scissors, white paper (paper with insect or flower cutouts)

	3 - 4:00-4:50	Watch <a href="#">How the Dinosaurs Died</a>	Screen sharing by
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Paleontology - Friday	1 - 2:00-2:50	Pre-Recorded; CHALLENGE	
	2 - 3:00-3:50	<a href="#">dino eggs</a>  <a href="#">easter eggs</a>  Talk about <a href="#">T-REX</a> and take that fun quiz!	Epsom salt, Water, food coloring
	3 - 4:00-4:50	Watch <a href="#">How the Dinosaurs Died</a>	Screen sharing by

Week 4

Topic	Session	Activity	Any Materials
Chemistry - Monday	1 - 2:00-2:50	Pre-Recorded; <a href="#">Fireworks in a jar</a>	$\frac{3}{4}$ cup Warm water, 4 drops each color liquid food coloring, 4 tbsp vegetable oil, tablespoon, large mason jar, small bowl for mixing
	2 - 3:00-3:50	Regroup and talk about the experiment/guide students with experiments	Warm water, liquid food coloring, vegetable oil, tablespoon, large mason jar, small glass jar/bowl
	3 - 4:00-4:50	Game Play (TBD)	Screen sharing by

Topic	Session	Activity	Any Materials
Chemistry - Tuesday	1 - 2:00-2:50	Pre-Recorded; <a href="#">Magic Milk</a>	Full fat milk, food coloring, dawn dish soap, cotton swabs
	2 - 3:00-3:50	Regroup and talk about the experiment/guide students with experiments	Full fat milk, food coloring, dawn dish soap, cotton swabs
	3 - 4:00-4:50	Game Play (TBD)	Screen sharing by

Topic	Session	Activity	Any Materials
Chemistry - Wednesday	1 - 2:00-2:50	Challenge day	
	2 - 3:00-3:50		
	3 - 4:00-4:50	Game Play (TBD)	Screen sharing by

Topic	Session	Activity	Any Materials
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Chemistry - Thursday	1 - 2:00-2:50	Challenge day	
	2 - 3:00-3:50		
	3 - 4:00-4:50		Screen sharing by

Topic	Session	Activity	Any Materials
Chemistry - Friday	1 - 2:00-2:50	Pre-Recorded; <a href="#">Making oobleck</a>	2 cups of cornstarch, 1 cup water, food coloring is optional, tray/bowl, spoon, measuring cups
	2 - 3:00-3:50	Regroup and talk about the experiment/guide students with experiments	2 cups of cornstarch, 1 cup water, food coloring, tray/bowl, spoon, measuring cups
	3 - 4:00-4:50	Video:TBD	Screen sharing by

# Week 5

Topic	Session	Activity	Any Materials
Biology - Monday	1 - 2:00-2:50	Pre-Recorded; <a href="#">Germinating Seeds in a Bag</a>	Bean seeds, paper towel, plastic baggie, tape
	2 - 3:00-3:50	<a href="#">Germinating Seeds in a Bag</a>	Bean seeds, paper towel, plastic baggie, tape
	3 - 4:00-4:50	Game Play (TBD)	Screen sharing by Giselle

Topic	Session	Activity	Any Materials
Biology - Tuesday	1 - 2:00-2:50	Pre-Recorded; <a href="#">Why Doesn't the Ocean Freeze?</a>	2 small paper cups, 1 tsp. salt, $\frac{1}{2}$ cup tap water, pen/pencil/marker, leveled space in the freezer
	2 - 3:00-3:50	<a href="#">Why Doesn't the Ocean Freeze?</a>	2 small paper cups, 1 tsp. salt, $\frac{1}{2}$ cup tap water, pen/pencil/marker, leveled space in the freezer
	3 - 4:00-4:50	Game Play (TBD)	Screen sharing by Dest or Jasmine

Topic	Session	Activity	Any Materials
Biology - Wednesday	1 - 2:00-2:50	Pre-Recorded; <a href="#">Life Size Skeleton</a>	Paper printouts, scissors, glue
	2 - 3:00-3:50	<a href="#">Life Size Skeleton</a>	Paper printouts, scissors, glue
	3 - 4:00-4:50	Game Play (TBD)	Screen sharing by Dest or Jasmine

Topic	Session	Activity	Any Materials
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Biology - Thursday	1 - 2:00-2:50	Pre-Recorded; <a href="#">Digestive System</a>	Ziploc bag, crackers, soda
	2 - 3:00-3:50	<a href="#">Digestive System</a>	Ziploc bag, crackers, soda
	3 - 4:00-4:50	Watch Brain Games!	Screen sharing by Giselle

Topic	Session	Activity	Any Materials
Biology - Friday	1 - 2:00-2:50	Challenge Day	
	2 - 3:00-3:50	Challenge Day	
	3 - 4:00-4:50	Watch Brain Games!	Screen sharing by Dest or Jasmine

# Week 6

Topic	Session	Activity	Any Materials
Physics - Monday	1 - 2:00-2:50	Pre Recorded; <a href="#">balloon magic</a>	Baking soda, Vinegar, Empty water bottles, Balloons, Funnels, Spoon
	2 - 3:00-3:50	<a href="#">balloon magic</a>	Baking soda, Vinegar, Empty water bottles, Balloons, Funnels,
	3 - 4:00-4:50	Game Play (TBD)	Screen sharing by

Topic	Session	Activity	Any Materials
Physics - Tuesday	1 - 2:00-2:50	Pre-Recorded; <a href="#">Skittle density</a>	Skittles (2 red, 4 orange, 6 yellow, 8 green, 10 purple), cups, water
	2 - 3:00-3:50	<a href="#">Skittle density</a>	Skittles (2 red, 4 orange, 6 yellow, 8 green, 10 blue), cups, water
	3 - 4:00-4:50	Game Play (TBD)	Screen sharing by

Topic	Session	Activity	Any Materials
Physics - Wednesday	1 - 2:00-2:50	Challenge day	
	2 - 3:00-3:50	Challenge day	
	3 - 4:00-4:50	Game Play (TBD)	Screen sharing by

Topic	Session	Activity	Any Materials
Physics - Thursday	1 - 2:00-2:50	Pre-Recorded; Dissolve a seashell	
	2 -	<a href="#">Hydrophobic sand</a>	Jar, fine sand, water-resistant shoe

	3:00-3:50		polish, spoon
	3 - 4:00-4:50	Watch a video!(TBD)	Screen sharing by

Topic	Session	Activity	Any Materials
Physics - Friday	1 - 2:00-2:50	Pre-Recorded; <a href="#">Snake Bubbles</a>	Bubbles, sock, water bottle, scissors, rubber band
	2 - 3:00-3:50	<a href="#">Snake Bubbles</a>	Bubbles, sock, water bottle, scissors, rubber band
	3 - 4:00-4:50	Watch a video!(TBD)	Screen sharing by

# Week 7

Topic	Session	Activity	Any Materials
Marine Biology - Monday	1 - 2:00-2:50	Challenge day	
	2 - 3:00-3:50	Challenge Day	
	3 - 4:00-4:50	Game Play (TBD)	Screen sharing by

Topic	Session	Activity	Any Materials
Marine Biology - Tuesday	1 - 2:00-2:50	Pre-Recorded; <a href="#">How do fish breathe underwater?</a>	Cup, coffee filter, coffee grounds, rubber band
	2 - 3:00-3:50	<a href="#">How do fish breathe underwater?</a>	Cup, coffee filter, coffee grounds, rubber band
	3 - 4:00-4:50	Game Play (TBD)	Screen sharing by

Topic	Session	Activity	Any Materials
Marine Biology - Wednesday	1 - 2:00-2:50	Pre-Recorded; <a href="#">Jellyfish</a>	Bottle, food coloring, rubber bands, and white or clear plastic bags
	2 - 3:00-3:50	<a href="#">Jellyfish</a>	Bottle, food coloring, rubber bands, and white or clear plastic bags
	3 - 4:00-4:50	Game Play (TBD)	Screen sharing by

Topic	Session	Activity	Any Materials
Marine Biology - Thursday	1 - 2:00-2:50	Pre-Recorded; <a href="#">create your own starfish</a>	Salt dough, parchment paper cookie cutters, Toothpicks, paint

	2 - 3:00-3:50	<a href="#">create your own starfish</a>	Salt dough, parchment paper cookie cutters, Toothpicks, paint
	3 - 4:00-4:50	Watch a video!(TBD)	Screen sharing by

Topic	Session	Activity	Any Materials
Marine Biology - Friday	1 - 2:00-2:50	Pre-Recorded;	
	2 - 3:00-3:50	Ocean+animal coloring pages	Coloring pages, crayons/markers/colored pencils
	3 - 4:00-4:50	Watch a video!(TBD)	Screen sharing by

# Week 8

Topic	Session	Activity	Any Materials
Astronomy - Monday	1 - 2:00-2:50	Pre-Recorded; <a href="#">Make your own solar system</a>	Kids paint, 8 small Styrofoam balls (these will be the planets), skewers (these will suspend the planets), pipe cleaners (this will make Saturn's rings), scissors
	2 - 3:00-3:50	Regroup and talk about the experiment/Guide students with experiment	
	3 - 4:00-4:50	Game Play (TBD)	\

Topic	Session	Activity	Any Materials
Astronomy - Tuesday	1 - 2:00-2:50	Pre-Recorded; Challenges day	
	2 - 3:00-3:50		
	3 - 4:00-4:50	Game Play (TBD)	Screen sharing by

Topic	Session	Activity	Any Materials
Astronomy - Wednesday	1 - 2:00-2:50	Pre-Recorded; <a href="#">Constellation craft</a>	<ul style="list-style-type: none"> <li>● <i>Black construction paper</i></li> <li>● <i>Gold star stickers</i></li> <li>● <i>Constellation 3-part cards</i></li> <li>● <i>White chalk</i></li> </ul>
	2 -	Regroup and talk about	



	3:00-3:50	the experiment/Guide students with experiment	
	3 - 4:00-4:50	Game Play (TBD)	Screen sharing by

Topic	Session	Activity	Any Materials
Astronomy - Thursday	1 - 2:00-2:50	Pre-Recorded; <a href="#">DIY Nebula Jar</a> Or <a href="#">Nebula jar</a>	<ul style="list-style-type: none"> <li>• Clean clear jar with a lid from sand and shell experiment (if they don't have any they could use a clear cup)</li> <li>• Washable paint (at least 3 colors)</li> <li>• <a href="#">Cotton balls</a></li> <li>• <a href="#">Fine Glitter</a></li> <li>• Water</li> <li>• Dropper</li> <li>• Spoon</li> </ul>
	2 - 3:00-3:50	Regroup and talk about the experiment/Guide students with experiment	
	3 - 4:00-4:50	Watch a video!(TBD) + <a href="#">Explore solar system</a>	Screen sharing by

Topic	Session	Activity	Any Materials
Astronomy - Friday	1 - 2:00-2:50	Pre-Recorded: <a href="#">Rocket Name Building</a>	Construction Paper Packet, Star stickers, Rocketship stencils
	3 - 4:00-4:50	Virtual Field Trip: <a href="#">Space</a>	Screen sharing by

# Week 9

Topic	Session	Activity	Any Materials
Zoology - Monday	1 - 2:00-2:50	Pre-Recorded; <a href="#">Scoping Science: How Do Animals Look for Food?</a>	Screen sharing where's waldo
	2 - 3:00-3:50	Come back together to talk about experiment/guide students with their experiment	
	3 - 4:00-4:50	Game Play (TBD)	Screen sharing by

Topic	Session	Activity	Any Materials
Zoology - Tuesday	1 - 2:00-2:50	Challenge day	
	2 - 3:00-3:50	Come back together to talk about experiment/guide students with their experiment	
	3 - 4:00-4:50	Game Play (TBD)	Screen sharing by

Topic	Session	Activity	Any Materials
Zoology - Wednesday	1 - 2:00-2:50	Pre-Recorded; <a href="#">How do penguins stay dry</a>	Plastic baggie, water, food coloring, oil(Have at CEC)
	2 - 3:00-3:50	Come back together to talk about experiment/guide students with their experiment	Plastic baggie, water, food coloring, oil

	3 - 4:00-4:50	Game Play (TBD)	Screen sharing by
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Topic	Session	Activity	Any Materials
Zoology - Thursday	1 - 2:00-2:50	Pre-Recorded; <a href="#">How to make a rain stick</a>	Long cardboard tube, aluminum foil, small dried lentils, tape, scissors, crayons/markers
	2 - 3:00-3:50	Come back together to talk about experiment/guide students with their experiment	
	3 - 4:00-4:50	<a href="#">Super Pride: Awesome animals</a> Video, <a href="#">Valley of the Wolves</a>	Screen sharing by Jasmine

Topic	Session	Activity	Any Materials
Zoology - Friday	1 - 2:00-2:50	Pre-Recorded; <a href="#">Make your own bird feeder</a>	Empty toilet paper roll, some string, peanut butter (Already bought, bird seed
	2 - 3:00-3:50	Come back together to talk about experiment/guide students with their experiment	Empty toilet paper roll, some string, peanut butter, bird seed
	3 - 4:00-4:50	Watch a video!(TBD) or if budget is good ( <a href="#">pre-recorded animal showing</a> )	Screen sharing by Jasmine