



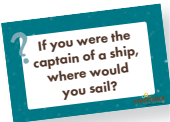

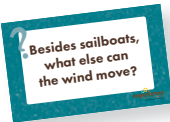

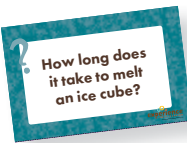


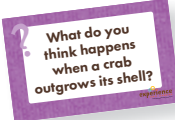

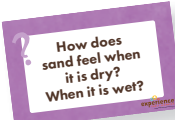





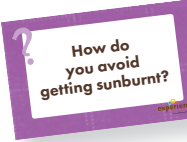


# Treasure Island











## WEEK 1 SETTING SAIL

STEAM STATION	YOUR SUPPLIES	BIG QUESTION AND INSPIRATION PHOTOS	TEACHER TIPS
<b>LESSON 1</b> <b>Floating Islands</b> <small>SS 3a Geography</small>	Paper (blue) Paper plates Blocks	 	Set out a blue sheet of paper in the block area to create water. Place different-sized paper plates on the water. Encourage the children to build with the blocks on the islands or construct bridges to connect them.
<b>LESSON 2</b> <b>Building Boats</b> <small>SED 4a Problem-Solving ATL 1b Attention &amp; Persistence</small>	Buoyant materials Bin of water	 	Set out a variety of buoyant materials (e.g., corks, water bottles or egg cartons) for the children to build different types of boats. Encourage the children to place their boats in a bin of water and see if they float.
<b>LESSON 3</b> <b>Captain of the Ship</b> <small>CA 4a Drama ATL 2b Flexibility &amp; Play</small>	Cardboard box Blanket (blue) Pirate costumes and props Treasure map	 	Place a large cardboard box on a blue blanket. Decorate it to look like a ship or invite the children to help decorate it. Set out costumes and props for the children to pretend they are pirates or ship captains.
<b>LESSON 4</b> <b>Strong Winds</b> <small>SCI 3a Physical Science</small>	Sheet Stuffed animals or balls	 	Provide a "sail" (sheet) outside for the children to explore. Encourage them to hold the edges and move the sheet up and down. Set out different objects (e.g., stuffed animals or a ball) to place in the middle. Move the sheet up and down.
<b>LESSON 5</b> <b>Sun vs. Shade</b> <small>SCI 1a &amp; SCI 1b Investigation &amp; Inquiry SCI 4 Technology</small>	Ice cubes Black paper Two plates Two stopwatches		Place black paper and one ice cube on each plate. Put one plate in sunlight and one in shade. Ask, "Which will melt more quickly?" Invite the children to write predictions and observations. Set a stopwatch by each plate. When the ice melts, discuss predictions, observations and results.










## WEEK 2 AT THE BEACH

<b>LESSON 6</b> <b>Crab Paths</b> <small>SS 3b Geography</small>	Blocks Pompoms	 	Invite the children to use blocks to make paths. Set out pompoms and pretend they are crabs. Encourage them to move the crabs along the pathways.
<b>LESSON 7</b> <b>Sandy Beaches</b> <small>SS 3a Geography SCI 3b Physical Science</small>	Bins Sand Water Shells Rocks Figurines Nature items	 	Set out bins with sand and water. Place shells, rocks, ocean creature figurines and other nature items in the bins.
<b>LESSON 8</b> <b>Shell Prints</b> <small>PD 2 Fine Motor CA 3b Visual Arts</small>	Shells or shell pasta Playdough Bin of sand	 	Set out shells, playdough and a bin of sand. Invite the children to explore creating shell prints in the playdough and sand.
<b>LESSON 9</b> <b>Beach Ready</b> <small>SED 1b Self-Awareness</small>	Beach gear	 	Set out a variety of beach gear: sunglasses, hats, towels and sand toys. Invite the children to dress up to get ready for the beach.
<b>LESSON 10</b> <b>Beach Bottles</b> <small>PD 3 Safety SCI 3b Physical Science</small>	Squeeze bottles Paint Puff Paint (3 tsp baking soda, 1 c. flour, 1 tsp salt, 1 1/4 c. water) Trays Paper (optional)		Fill clear squeeze bottles with a small amount of paint and a textured material, such as puff paint. Set out trays for the children to squeeze the mixture onto. Encourage them to describe how it looks and feels. If desired, set out paper for painting.

## WEEK 3 EXPLORING THE ISLAND

STEAM STATION	YOUR SUPPLIES	BIG QUESTION AND INSPIRATION PHOTOS	TEACHER TIPS
<b>LESSON 11</b> <b>Treasure Hunt</b> <small>SS 3b Geography</small>	Boxes or containers Play coins and other treasure	 	Gather a variety of boxes and containers with lids. Place play coins or other “treasures” inside the containers and hide them. Draw a simple map to guide the children. Encourage them to pretend they are pirates looking for treasure.
<b>LESSON 12</b> <b>Tall Volcanoes</b> <small>M 4a Measurement SS 3a Geography</small>	Playdough Nature items	 	Set out playdough and various nature items. Invite the children to explore ways to build volcanoes as tall as they can. Decorate the volcanoes with nature items, if desired.
<b>LESSON 13</b> <b>Building Caves</b> <small>ATL 1b Attention &amp; Persistence SS 3a Geography</small>	Boxes Shiny treasures Blocks	 	Set out different-sized boxes and place them in the block area. Encourage the children to build inside the boxes. Set out sequins, jewels or other shiny treasures for them to hide.
<b>LESSON 14</b> <b>Coconut Exploration</b> <small>SCI 3b Physical Science</small>	Coconut Tray Tweezers Magnifying glasses Photos of coconuts (optional)	 	Set out the coconut (or photos of coconuts), tray and tools. Invite the children to explore the coconut. At the end of the day, demonstrate how to drain and open it. Invite the children to try the coconut water and meat.
<b>LESSON 15</b> <b>Waterfall Splash</b> <small>SCI 1a &amp; SCI 1b Investigation &amp; Inquiry</small>	Bin Towel Full water bottles Bucket Differently shaped items	 	Set a bin and full water bottles on a towel. Fill a bucket with various-shaped items, like rocks, blocks, spoons or cups. Encourage the children to place an item in the bin and pour water over it. Ask, “What type of splash does it make?” Invite them to describe and record observations.

## WEEK 4 ISLAND FUN

<b>LESSON 16</b> <b>Preparing a Feast</b> <small>PD 5 Nutrition</small>	Craft sticks Plates Playdough Paper Crayons or markers	 	Set out craft sticks, plates and various-colored playdough. Invite the children to mold the dough into different foods, using craft sticks to cut and shape. Arrange the food on plates to create a luau feast. Discuss different nutritious foods. Provide supplies to create a party sign, if desired.
<b>LESSON 17</b> <b>Dancing Stage</b> <small>SS 1b Culture &amp; Community</small>	Blocks Boxes Puppets or stuffed animals	 	Set out large blocks and recycled cardboard boxes. Invite the children to build a stage for puppets or stuffed animals to dance.
<b>LESSON 18</b> <b>Floating Surfboards</b> <small>SED 1d Self-Awareness SCI 3a Physical Science</small>	Bin of water Towel Flat buoyant objects Figurines	 	Set out a bin of water on a towel. Place a variety of objects that are flat and can float, e.g., cardboard or a paper plate. Encourage the children to place small items or people figurines on the “surfboards” and practice balancing them on the water.
<b>LESSON 19</b> <b>Island Instruments</b> <small>CA 1a Music PD 2 Fine Motor</small>	Pebbles Pony beads Buttons Pipecleaner bits Various containers with lids	 	Set out containers and a variety of items that make noise, such as pebbles, pony beads, buttons and pipecleaner bits. Encourage the children to place the materials in the containers and mix them to create different sounds. Help secure the lids.
<b>LESSON 20</b> <b>Before the Sun Sets</b> <small>SCI 2b Natural &amp; Earth Science PD 1 Gross Motor</small>	Bucket or bin Beanbags Timer		Set out a bucket or bin in the outdoor area and a pile of beanbags away from the bucket. Set a timer and encourage the children to pick up an item and run to drop it in the bucket. Repeat until the timer goes off. Ask, “Did you get all of the items in the bucket?”

## Set-Up Directions

These open-ended STEAM stations invite the children to investigate, problem-solve and create.

- Hang the Big Question and Inspiration Photos on the wall next to the place you set up the investigation.
- Use the labels to identify and organize materials the children will use (and clean up) as they explore STEAM stations.

## ROTATING YOUR STATIONS

- Introduce one new STEAM station daily. Leave that station set up all week. By the end of the week, the children will have five stations to explore.



**STEAM stations** integrate perfectly with the monthly Experience Preschool Curriculum kits for a comprehensive research-based early learning system. Learn more and start your research-based curriculum today.

[ExperienceCurriculum.com](https://ExperienceCurriculum.com)







**Would you  
like to live  
on an island?  
Why or why not?**



**What do you  
think makes  
a boat float?**



**If you were the  
captain of a ship,  
where would  
you sail?**



**Besides sailboats,  
what else can  
the wind move?**



**How long does  
it take to melt  
an ice cube?**



**What do you  
think happens  
when a crab  
outgrows its shell?**



**How does  
sand feel when  
it is dry?  
When it is wet?**



**Can you make  
a design  
with a shell?**



**What would  
you like to take  
to the beach?**



**How do  
you avoid  
getting sunburnt?**



**What would you  
like to find on  
a treasure hunt?**




**What shape  
or size  
are volcanoes?**




**What could  
you hide inside  
a cave?**



**What do you  
think a coconut  
tastes like?**



**How can you  
create your  
own waterfall?**



**How do healthy  
luau foods help  
our bodies  
grow strong?**



**What kind  
of dance stage  
can you build?**



**Where might  
you see a surfer?**



**What type  
of instrument  
can you make?**



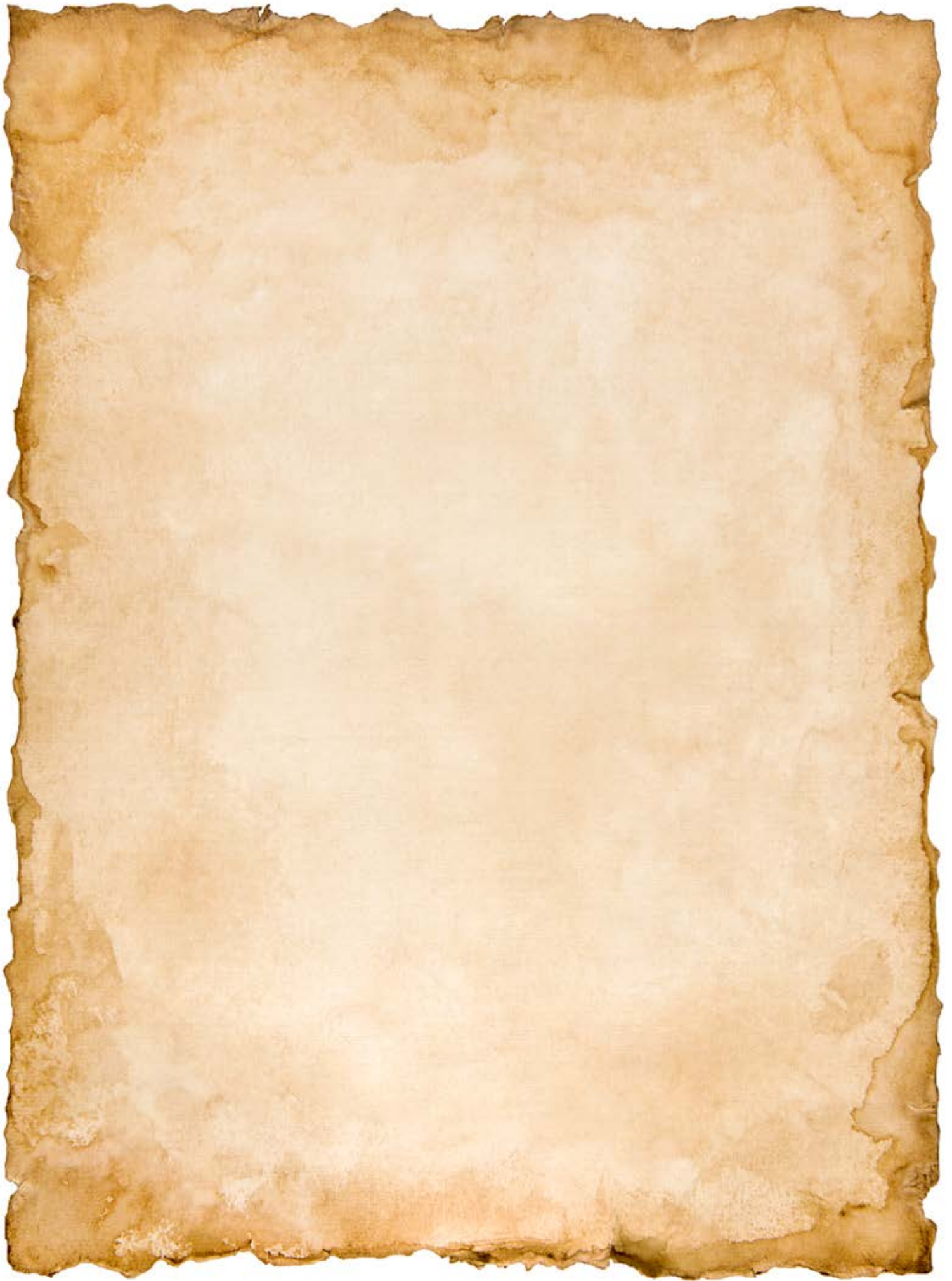
**Which do  
you prefer:  
sunrise or sunset?**



  
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Sea



Lava Tube



# CAVE TYPES



Solutional



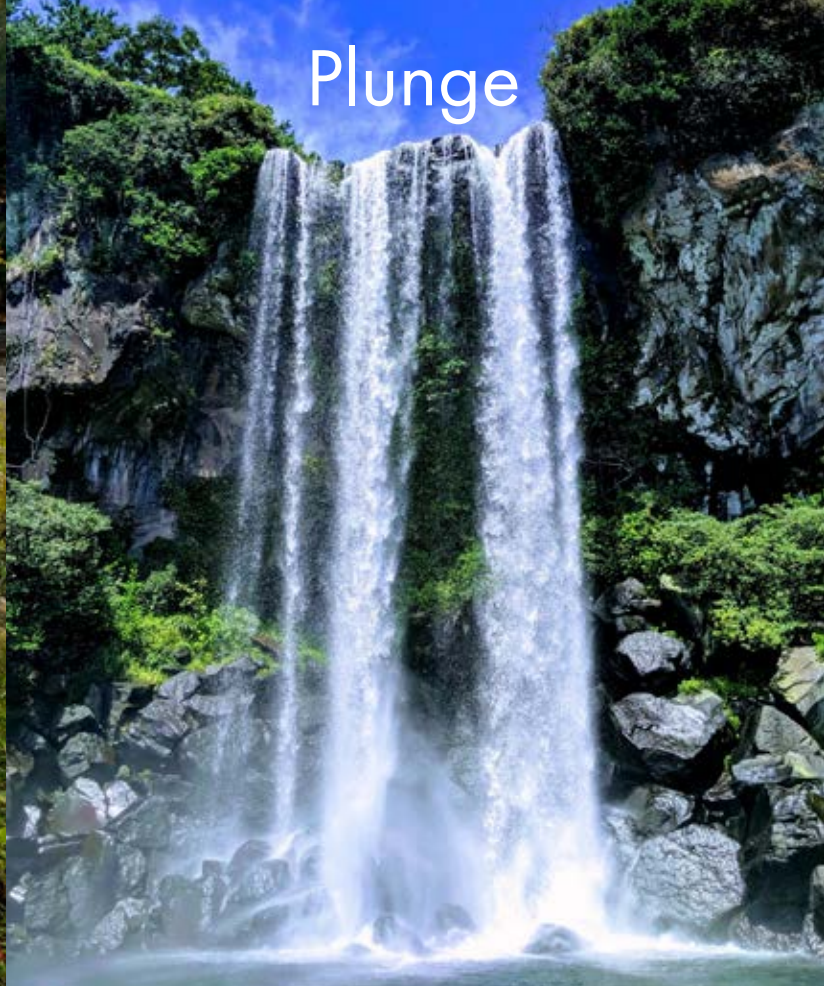
Glacial



Block



Plunge



# WATERFALL TYPES

Horsetail



Fan







  
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