

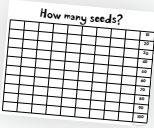
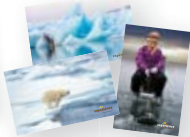
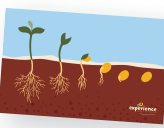


Weather & Seasons

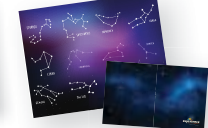
WEEK 1 WEATHER

STEAM STATION	YOUR SUPPLIES	BIG QUESTION AND INSPIRATION PHOTOS	TEACHER TIPS
LESSON 1 Building Shade SCI 1a Investigation & Inquiry SCI 3b Physical Science	Blocks Fabric Cardboard Animal figurines	 	Set out blocks, fabric, cardboard and small figurines for the children to explore. Invite them to build shade structures and place figurines underneath.
LESSON 2 Fan Experiment SCI 3a Physical Science SCI 1a Investigation & Inquiry	Fan Light and heavy objects	 	Set out a fan and a collection of items of various weights, such as scarves, paper strips, paper plates, shoes, napkins and spoons. Invite the children to hold items in front of the fan and let go to explore how the wind moves them.
LESSON 3 Heavy Clouds SCI 1a & SCI 1b Investigation & Inquiry	Puff paint Bowl of water Eyedroppers Paint	 	Set out a bowl of water. Place puff paint on top to look like a cloud. Set out an eyedropper and a small cup of water mixed with blue liquid watercolor. Encourage the children to squeeze the eyedropper over the clouds to create cloud art as desired.
LESSON 4 Snow Dough SCI 1a Investigation & Inquiry SCI 3b Physical Science	Cornstarch (or arrowroot) Hair conditioner (child-safe) Glitter (optional) Tub or sensory table	 	Mix together 2 cups of cornstarch (or arrowroot) and 1 cup of hair conditioner with glitter (optional) in a tub or sensory table for the children to explore.
LESSON 5 Classroom Rainbows SCI 4 Technology SCI 3b Physical Science	Prism paddles Flashlight Yarn	 	Set out prism paddles and flashlights in the block area. If desired, hang a few prisms from the ceiling to catch the light. Invite the children to explore how light moves through the prisms and creates rainbows.

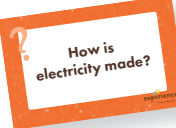
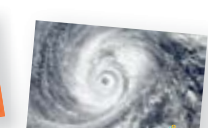
WEEK 2 SEASONS

LESSON 6 Gourd Discovery SCI 1a & SCI 1b Investigation & Inquiry PD 2 Fine Motor	Tweezers Craft sticks Gourds Bowls	 	Cut open two to three different types of gourds and place them in a tray. Set out tweezers, craft sticks and bowls nearby for the children to explore.
LESSON 7 Rainy Sponges SCI 3b Physical Science SCI 1a Investigation & Inquiry	Sponges Water Tub Animal toys	 	Place sponges, water and animal toys in a tub for the children to explore freely.
LESSON 8 Frozen in Ice SCI 3b Physical Science SCI 1a Investigation & Inquiry	Animal figurines Bowls Sticks Hammer Water Variety of containers Tub or tray	 	Before today's lesson, freeze arctic animal toys inside water in different-sized containers. Remove the frozen blocks and place them in a large tub or tray for the children to explore.
LESSON 9 Planting Station SCI 2a Natural & Earth Science PD 2 Fine Motor	Seeds Dirt Small shovels Squirt bottles	 	Mix dirt and seeds in the sensory table. Place small shovels and squirt bottles nearby for the children to explore.
LESSON 10 Zips & Snaps SCI 4 Technology PD 2 Fine Motor	Clothing with zippers and snaps	 	Set out clothing items with zippers and snaps for the children to explore. Invite them to compare how these fasteners work and connect to how clothes function.

WEEK 3 CHANGES

STEAM STATION	YOUR SUPPLIES	BIG QUESTION AND INSPIRATION PHOTOS	TEACHER TIPS
LESSON 11 Leaf Rubbings SCI 3b Physical Science SCI 1b Investigation & Inquiry	Crayons Leaves Paper	 	Gather leaves and set them on a table. Invite the children to place paper over the top and rub crayons across the surface. Investigate the leaf veins together.
LESSON 12 Star Constellations SCI 2b Natural & Earth Science SCI 4 Technology	Light table or flashlight Black paper Hole punch	 	Punch holes in black paper to create star patterns, then shine a flashlight from behind or place the paper on a light table to create glowing constellations.
LESSON 13 Nature Habitats SCI 2a Natural & Earth Science CA 4a Drama	Nature items: sticks, leaves, rocks Animal figurines containers Paper Crayons/markers	 	Gather nature items and sort them into containers. Invite the children to draw their ideas for a habitat design, then use the materials inside or outside to build their habitats.
LESSON 14 Paper Airplane Experiment SCI 3a Physical Science SCI 1a Investigation & Inquiry	Paper Masking tape Markers	 	Help the children make paper airplanes and explore how far they fly. If desired, place numbered masking tape lines on the ground (1-10) to measure distance. Encourage them to improve their designs to make the airplanes fly farther and record the distances on paper.
LESSON 15 Windmill Design SCI 3a Physical Science SCI 1a Investigation & Inquiry	Paper Windmill toys Pinwheel toys Blocks Crayons/markers Clipboards	 	Place windmill and pinwheel toys in the block area with a fan. Invite the children to explore different ways to make them spin, including using a fan or wind outside. Encourage the children to draw designs and build their own windmills with blocks.

WEEK 4 STORMS

LESSON 16 Static Electricity SCI 3b Physical Science SCI 1a Investigation & Inquiry	Foam cups	 	Set out cups for the children to explore. Invite them to rub a cup on their hair, then see how it sticks to their hair or clothing.
LESSON 17 Rolling Hail SCI 3a Physical Science SCI 1a Investigation & Inquiry	Ice cubes Tray Foil Toy cars Ramp	 	Place the ice cubes on the tray. Touch and explore them, talking about their shape and temperature. Talk about how hail rolls on the ground during a storm. Invite the children to create hailstones with foil and roll them and toy cars down a ramp.
LESSON 18 Tornado Bottle SCI 3a Physical Science SCI 1a Investigation & Inquiry	Two-liter bottles (2) Tape Glitter Water	 	Set out the tornado bottle from the Community Challenge in the science area. If possible, set out more than one for the children to explore freely.
LESSON 19 Hurricane Disaster SCI 3a Physical Science CA 4a Drama	Sock or plastic bag Rope Blocks	 	Make a small ball by rolling up a sock or plastic bag. Tie it to the end of a short rope. Set out the rope ball and small animal toys in the block area.
LESSON 20 Flooding Bowls SCI 3b Physical Science M 1c Number Sense	Bowls Blocks Water	 	Put a bowl of water in a sensory tub. Experiment with adding blocks to the bowl until the water rises and overflows. Refill the bowl and experiment again.

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

- ## ROTATING YOUR STATIONS

- Introduce one new STEAM station daily. Leave that station set up all week. By the end of the week, 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



**How can you
make shade?**



**What blows
in the wind?**



**How do clouds
make rain?**



**What does
snow feel like?**



**How can you
make a rainbow?**



**Where do seeds
come from?**



Why does it rain?



**How can you
break ice?**



**How do
seeds grow?**



**How do zippers
and gears work?**



**What shapes
are leaves?**



**What designs
do you see
in the night sky?**



**How can you
build a habitat?**



**How far can
your airplane fly?**



**How can
you design
a windmill?**



**How is
electricity made?**



**How far
can balls roll?**



**How is
a tornado made?**



**How are
hurricanes
dangerous?**



**What happens
when a river
floods?**






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Cirrus



Stratus

Cumulus



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How many seeds?

									10
									20
									30
									40
									50
									60
									70
									80
									90
									100

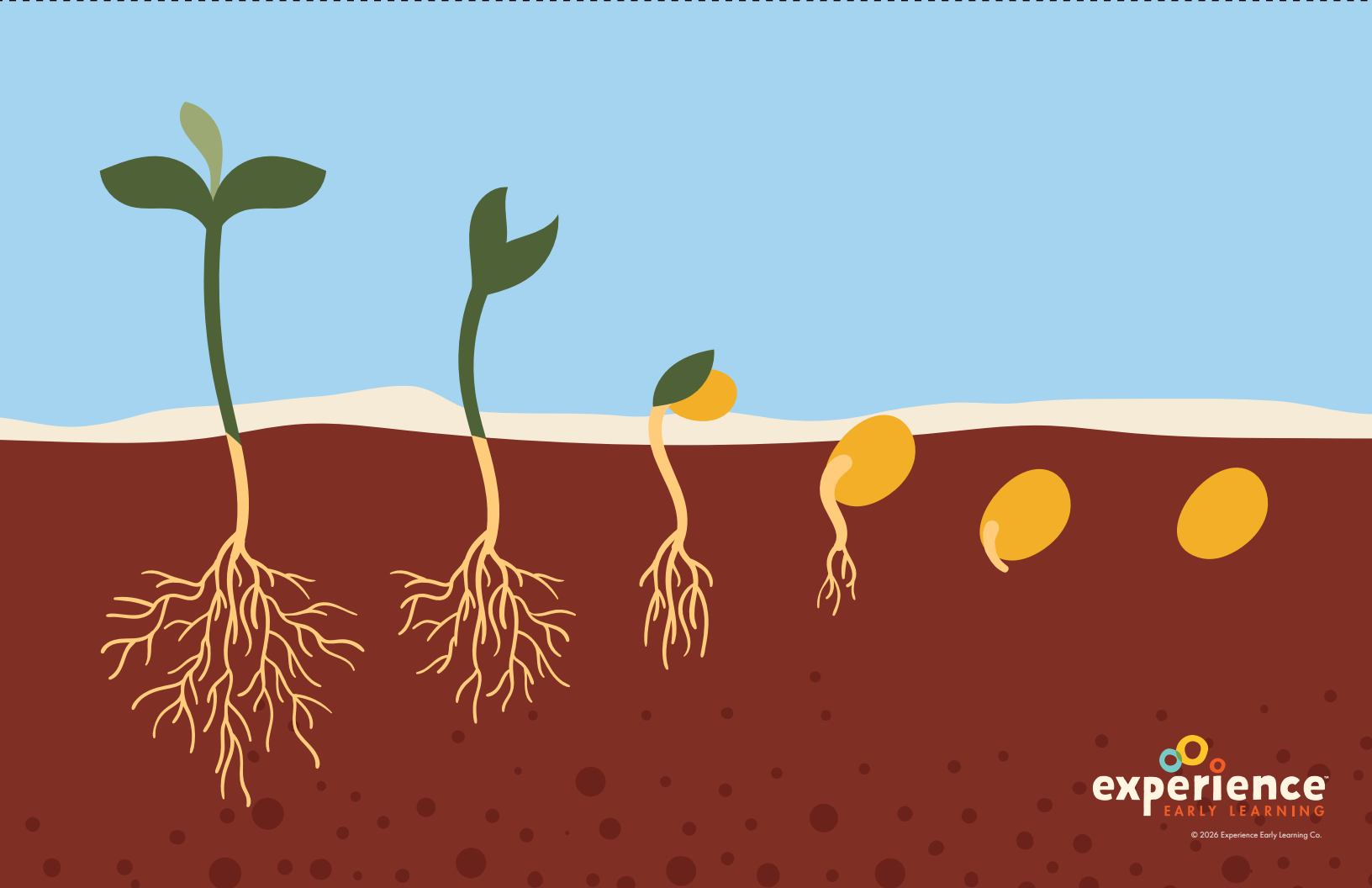





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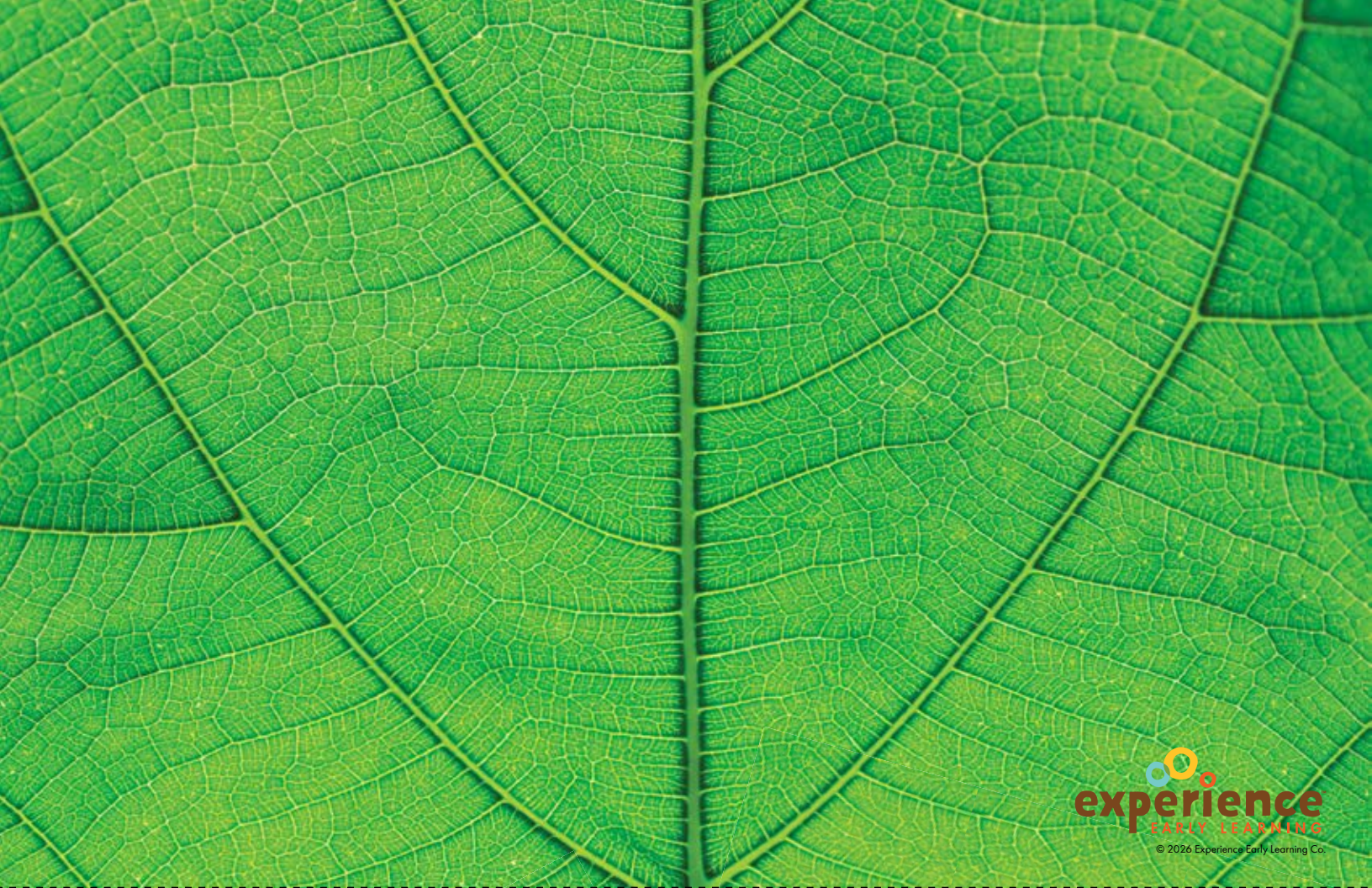





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Maple



Ginkgo

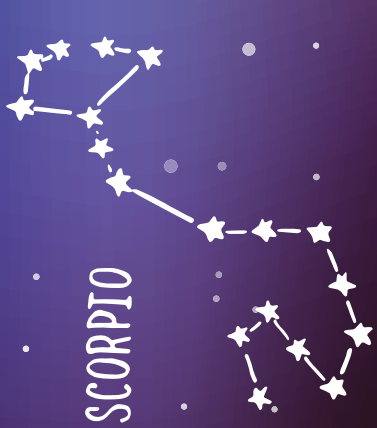


Oak



Beech





SCORPIO



SAGITTARIUS



CAPRICORN



VIRGO



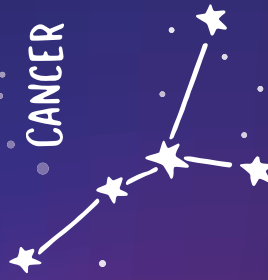
LIBRA



AQUARIUS



LEO



CANCER



GEMINI



TAURUS



ARIES



PISCES






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