



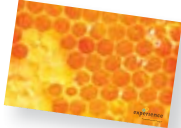








# Bees & Butterflies

## WEEK 1 BEE BASICS









STEAM STATION	YOUR SUPPLIES	BIG QUESTION AND INSPIRATION PHOTOS	TEACHER TIPS
<b>LESSON 1</b> <b>Beehive Building</b> <small>SCI 2 Natural &amp; Earth Science SED 1 Self-Awareness</small>	Egg cartons Paper bags Leaves Masking tape	 	Encourage the children to create beehives and nests with the supplies.
<b>LESSON 2</b> <b>Transfer the Nectar</b> <small>SCI 2 Natural &amp; Earth Science PD 2 Fine Motor SCI 4 Technology</small>	Bowl of colored water Eyedroppers Ice cube trays		Use an eyedropper to explore how bees suck up nectar and carry it to the hive.
<b>LESSON 3</b> <b>Honeycomb House</b> <small>LLD 5 Concepts of Print CA 4 Drama</small>	Boxes Tape Plush toys, figurines, pompoms or bee-related books	 	Stack boxes and tape them together to make a large "honeycomb." Fill it with plush toys, figurines, pompoms or bee-related books.
<b>LESSON 4</b> <b>Worker Bees Pollinate</b> <small>SCI 1 Investigation &amp; Inquiry SCI 3 Physical Science</small>	Paper flowers Bowl of corn meal Cotton balls	 	Use cornmeal and cotton balls to explore how pollen travels on bees' legs and pollinates flowers.
<b>LESSON 5</b> <b>Worker Bee Race</b> <small>PD 1 Gross Motor MR 7 Logic &amp; Reasoning</small>	Paper flowers Cups of water Bowl Eyedroppers		Set up a relay race and invite the children to race while gathering "nectar" with an eyedropper.

## WEEK 2 BEES & WASPS










<b>LESSON 6</b> <b>Bee or Wasp?</b> <small>SCI 1 Investigation &amp; Inquiry SCI 2 Natural &amp; Earth Science</small>	Paper Markers/crayons	 	Study the differences between bees and wasps, then draw your own insect. Is it a bee or a wasp? Why?
<b>LESSON 7</b> <b>Busy Beekeepers</b> <small>SS 1 Culture &amp; Community CA 4 Drama</small>	Egg cartons Pompoms Box or bin Netting or sheer fabric Hat Gloves	 	Wear protective gear and pretend to be beekeepers.
<b>LESSON 8</b> <b>Carpenter Bee Holes</b> <small>PD 2 Fine Motor SCI 1 Investigation &amp; Inquiry SS 4 History &amp; Sense of Time</small>	Soft materials (floral foam, styrofoam, playdough) Safety goggles Hole-making tools (golf tees, pencils, sticks) Beans/beads	 	Explore soft materials and experiment with making holes like carpenter bees.
<b>LESSON 9</b> <b>Hiding Yellow Jackets</b> <small>SED 2 Self-Regulation SED 4 Social Relationships</small>	Rocks Paint (yellow) Paper bags or baskets		Paint a variety of small rocks to look like yellow jackets, then hide them outside. Invite the children to work together to find them all.
<b>LESSON 10</b> <b>Hornet Nests</b> <small>MR 7 Logic &amp; Reasoning SCI 2 Natural &amp; Earth Science</small>	Crepe paper Blocks Boxes	 	Use a variety of construction materials to build a hornet nest.



## WEEK 3 METAMORPHOSIS

STEAM STATION	YOUR SUPPLIES	BIG QUESTION AND INSPIRATION PHOTOS	TEACHER TIPS
<b>LESSON 11</b> <b>Rolling Eggs</b> <small>SCI 3 Physical Science SED 4 Social Relationships SCI 4 Technology</small>	Small balls (ping pong, bouncy, golf) Buckets		Explore forces of motion by rolling, bouncing and dropping a variety of balls into buckets.
<b>LESSON 12</b> <b>Building Caterpillars</b> <small>PD 2 Fine Motor SED 1 Self-Awareness</small>	Bowls of items with holes (beads, nuts, tube pasta) Pipecleaners and stringing materials Photos of caterpillars (optional)	 	Explore stringing items to create different caterpillars.
<b>LESSON 13</b> <b>Making a Chrysalis</b> <small>SCI 2 Natural &amp; Earth Science SED 2 Self-Regulation</small>	Wrapping material (fabric, ribbon, crepe paper) Objects to wrap (balls, blocks, plush toys)	 	Explore wrapping a variety of objects with provided soft materials.
<b>LESSON 14</b> <b>Building Bugs</b> <small>CA 3 Visual Arts PD 2 Fine Motor</small>	Pictures/books of bugs/ butterflies Nature items Tray	 	Use the nature materials to explore building butterflies and other insects.
<b>LESSON 15</b> <b>Caterpillar Holes</b> <small>SCI 1 Investigation &amp; Inquiry MR 7 Logic &amp; Reasoning</small>	Cardboard box Straws Hole-making tools		Use the materials to create holes and thread “caterpillars” (straws) through them. Where do caterpillars live? How do they move? What else do you know about caterpillars?

## WEEK 4 BUTTERFLIES

<b>LESSON 16</b> <b>Hiding Monarchs</b> <small>SED 2 Self-Regulation MR 7 Logic &amp; Reasoning</small>	Paper (orange, black, yellow) Basket		Fold colored pieces of paper in half and pretend they are butterflies. Hide them around the outside area and go on a butterfly hunt.
<b>LESSON 17</b> <b>Butterfly Loose Parts</b> <small>CA 3 Visual Arts SED 4 Social Relationships</small>	Stones Paint Brushes	 	Paint a variety of stones, then use them to explore making various butterfly designs.
<b>LESSON 18</b> <b>Butterflies in the Rainforest</b> <small>SCI 2 Natural &amp; Earth Science PD 2 Fine Motor</small>	Crepe paper (green) Paper (blue) Scissors (child-safe) Markers Tape	 	Hang crepe paper strips in one corner of a room. Invite the children to cut out butterflies, then hide them high in the “rainforest.”
<b>LESSON 19</b> <b>Handprint Butterflies</b> <small>SCI 1 Investigation &amp; Inquiry PD 2 Fine Motor</small>	Paint (various colors) Markers Paper plates Large paper	 	Squirt various paint colors onto paper plates. Help the children add a different paint color to each hand. Encourage the children to press their hands together and explore the mixing colors. Help them add their hands to a community collage of butterfly wings. Use markers to add details.
<b>LESSON 20</b> <b>Identifying Butterflies</b> <small>LLD 7 Writing SED 3 Attention &amp; Persistence</small>	Magnifying glass Clipboard with paper Crayons or colored pencils Stapler Butterfly chart	 	Display the Butterfly chart. Leave out clipboards and crayons. As the children draw a butterfly, ask them to identify the type. Is it inspired from the chart or is it a new butterfly that they invent? Save all of the drawings and staple them together to create a class Butterfly Book.

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

- 
- Can you build a bee nest?
- experience

- 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





**Can you build  
a bee nest?**



**Can you transfer  
the nectar?**



**How do bees  
make their  
honeycomb?**



**Can you pollinate  
the flowers?**





**How do bees  
gather nectar?**



**How are  
bees and wasps  
different?**



**Can you be  
a beekeeper?**



**Can you put  
the carpenter bee  
eggs in the holes?**





**How many  
yellow jackets  
can you find?**



**Can you build  
a hornet nest?**



**How many ways  
can you move  
a ball?**




**Can you build  
a caterpillar?**






**What is inside  
the chrysalis?**



**How is  
a butterfly similar  
to other bugs?**



**Can you put  
the caterpillar  
in the hole?**



**What do you  
know about  
monarch  
butterflies?**





**Can you build a butterfly design?**



**How high can your butterfly go?**



**What colors  
do you see  
in the wings?**



**Can you design  
a butterfly?**









 **experience**  
EARLY LEARNING  
© 2024 Experience Early Learning Co.



 **experience**  
EARLY LEARNING  
© 2024 Experience Early Learning Co.













# Caterpillars

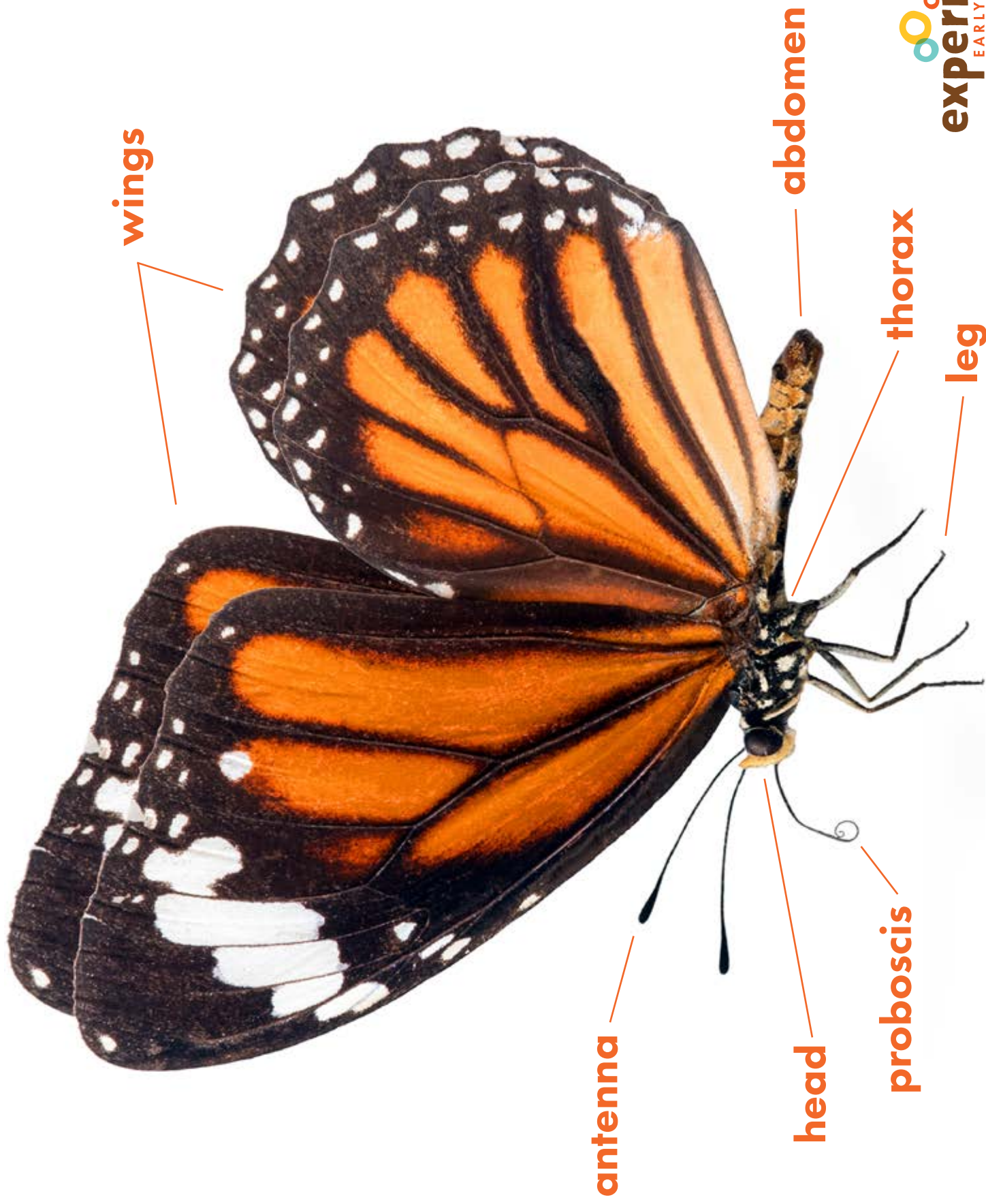


















# Butterfly Wing Designs





**Orange-Barred Sulphur**



**Zebra Swallowtail**



**Red Postman**



**Eastern Tiger Swallowtail**



**Colorado Hairstreak**



**Malachite**



**Common Buckeye**



**California Dogface**



**Blue Morpho**