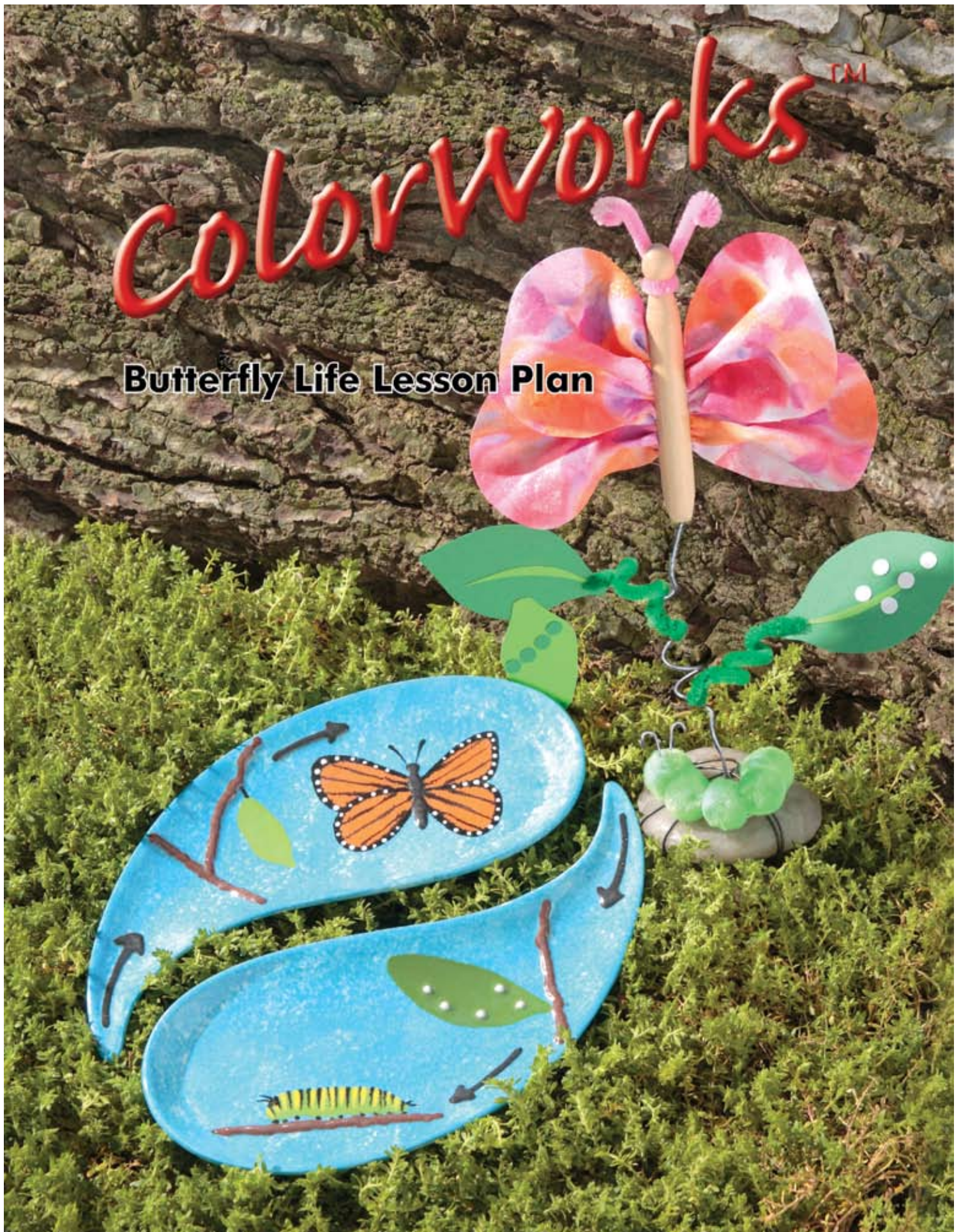


Colorworks™

Butterfly Life Lesson Plan





Butterfly Life Lesson Plan

Grade Level: K-3

Introduction:

Butterflies are beautiful, flying insects with large scaly wings. Like all insects, they have six jointed legs, three body parts, a pair of antennae, compound eyes, and an exoskeleton. The three body parts are the head, thorax (the chest), and abdomen (the tail end). Butterflies undergo complete metamorphosis in which they go through four different life stages.

- Egg – A butterfly starts its life as an egg, often laid on a leaf or other object near caterpillar food
- Larva – The larva (caterpillar) hatches from an egg and eats leaves or flowers almost constantly. The caterpillar molts (loses its old skin) many times as it grows. The caterpillar will increase up to several thousand times in size before pupating
- Pupa – It turns into a pupa (chrysalis); this is a resting stage
- Adult – A beautiful, flying adult emerges. This adult will continue the cycle

Educational Objectives:

This lesson provides opportunities for students to:

- Learn new visual art vocabulary and use it in the course of the project
- Generate multiple designs with the use of color and release techniques
- Use multiple instructions to produce a hands-on project
- Understand and apply media, techniques, processes
- Reflect upon and assess the characteristics and merits of their work and the work of others
- Make connections between visual arts and other disciplines
- Learn about butterfly habitat and life cycle

References:

Monarch Butterfly <http://www.monarchbutterfly.org/>

Children's Butterfly Site <http://bsi.montana.edu/web/kidsbutterfly/life-cycle>

Project Closure:

Language Arts connection and project closure

- Write and illustrate a brief description of this project, include detailed descriptions of the materials used and what happened during this project.

National Standards for the Arts:

<http://www.ed.gov/pubs/ArtsStandards.html>

<http://www.mcrel.org/topics/Standards/>

State Standards:

<http://edstandards.org/Standards.html>

Or refer to the Department of Education for a specific state.

Please visit www.ilovetocreate.com, Education tab, Colorworks™ Classroom Education tab to view the Standards-based Vocabulary and Language Instruction, Art Project Rubric, and Writing Rubric documents.

Ceramic Arts Project Instructions

The Circle of Life

Materials List

Duncan Oh Four™ Bisque:

- 23885 Harmony Ware Dessert Plate (2)

Concepts® Underglazes:

- CN 182 Bright Kiwi
- CN 253 Dark Black
- CN 501 Neon Yellow
- CN 502 Neon Blue
- CN 504 Neon Orange
- CN 505 Neon Green

Brushes:

Discovery Brushes

- BR 521 China Script
- BR 529 No. 4 Sabeline Round
- BR 585 No. 6 Sabelina
- BR 593 ¾" Economy Glaze

Miscellaneous Materials:

- Silk sponge
- Foil

Pure Brilliance™ Clear Glaze

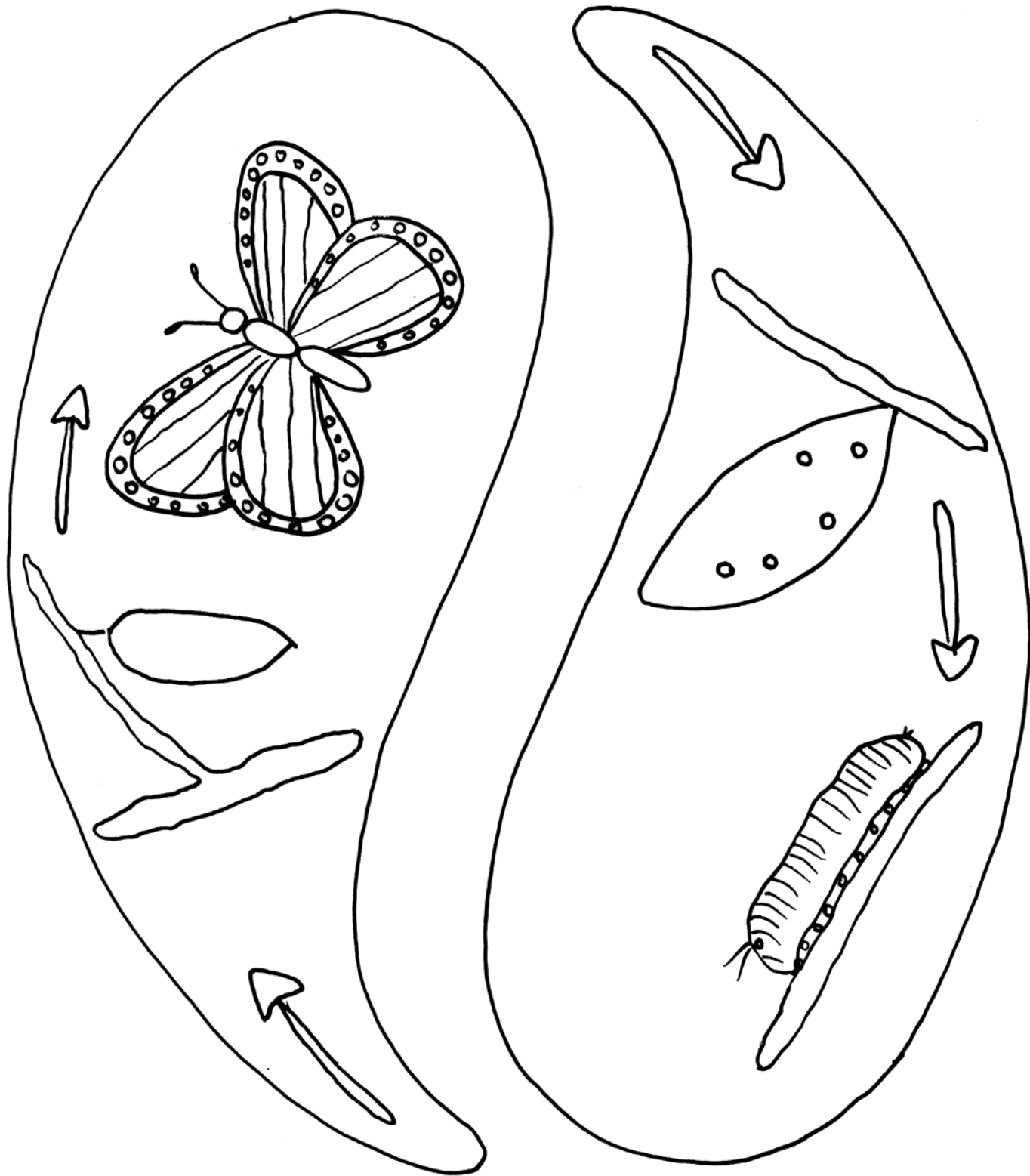
Instructions:

For best results, please read all instructions before beginning project. Refer to photo for color and design placement.

1. Lightly wipe ware with damp sponge the ware to remove any bisque dust.
2. Place an amount of **Neon Blue** on a piece of foil. Using a slightly dampened silk sponge, load the sponge into the **Neon Blue** and tap out the excess color on a clean area of the foil. Pounce 1 coat of **Neon Blue** to both the front and backsides of each plate, being careful not to oversponge, but applying the color evenly. Only apply 1 coat, allowing some of the small white spaces to remain on the plate. Allow to dry thoroughly.
3. Lightly sketch or trace pattern on each plate with a pencil.
4. Using either **No. 4 Round** or **No. 6 Round** brush as needed, apply 3 coats of **Neon Orange** to the wings of the butterfly. Let dry after each coat.
5. Apply 3 coats of **Neon Green** to chrysalis and body of caterpillar, using **No. 4** or **No. 6 Round** brush. Let dry after each coat.
6. Using **No. 6 Round** brush, apply 3 coats of **Bright Kiwi** to leaf. Let dry after each coat.
7. Using **China Script** brush, apply 3 coats of **Neon Yellow** stripes to body of caterpillar. Let dry after each coat.
8. Using **China Script** brush, apply 3 coats of **Dark Black** to outside edge of butterfly wings, antennae and lines on wings. Also add stripes to caterpillar, dots to feet and antennae with **China Script** brush. Let dry after each coat.
9. Using **French Briarwood**, squeeze out twig under caterpillar, twig on leaf stem and twig "Y" for chrysalis. Make these lines heavy and textured like a branch.
10. Using **Pure White**, squeeze out small dots on leaf representing eggs on leaf. Add tiny dots to outside black band on butterfly wings.
11. Using **Black Licorice**, squeeze a dot for butterfly head, an oval for upper portion of body and a longer oval for lower part of body. Also create 4 arrows for direction of life cycle stages. Allow all color to dry thoroughly.

Finishing:

1. Using **No. 6 Round** and **Economy Glaze** brushes, apply 2 coats of **Pure Brilliance™ Clear Glaze** to front and back of each piece, being careful not to smear design. Let dry after each coat.
2. Stilt and fire to shelf cone 06.



Craft Project Instructions

Life of a Butterfly

Materials List

Tulip® Soft Fabric Paint™

Crimson Red Matte
Azalea Matte
Carnation Pink Pearl
Amethyst Pearl
Orange Mist Pearl

Aleene's® Fast Grab Tacky Glue®

Miscellaneous Materials:

Fabric – white – 10" square
Round clothespin
Pipe cleaners – light pink, green
Pom-poms – (5) ¾" lime green
¼" hole-punch
Cardstock paper – green, lime, white
Black craft wire – 1 yard per project
Wire cutters
Scissors
Foil
Small round paintbrush
Medium-sized flat rock
Pencil
Pushpin

Step-by-Step:

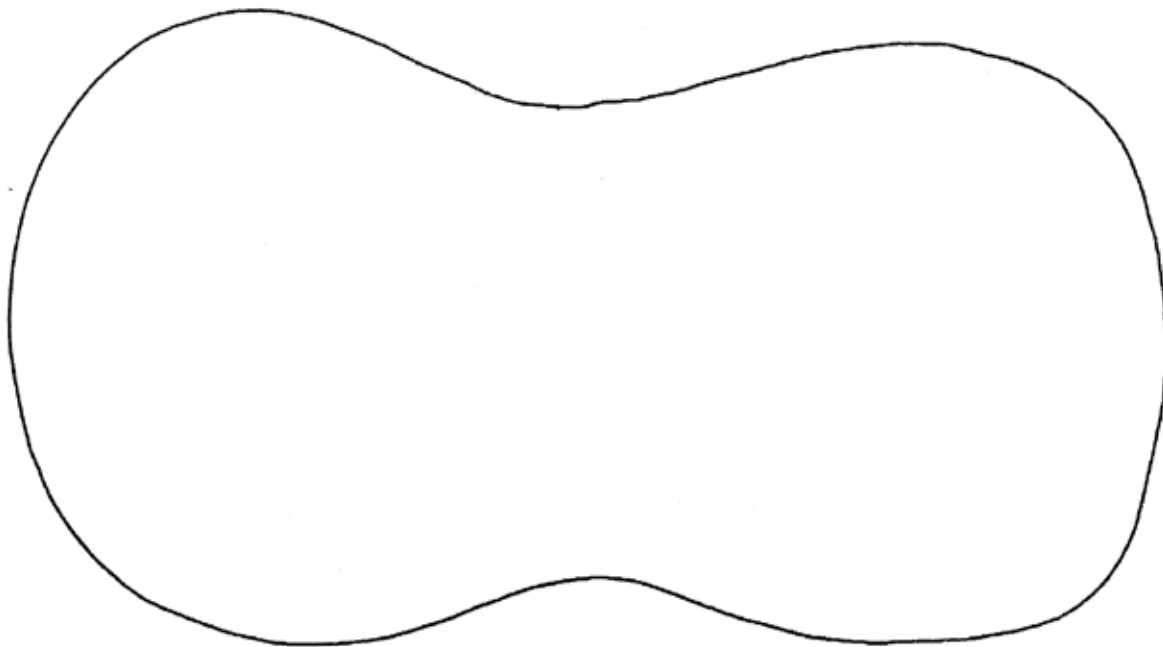
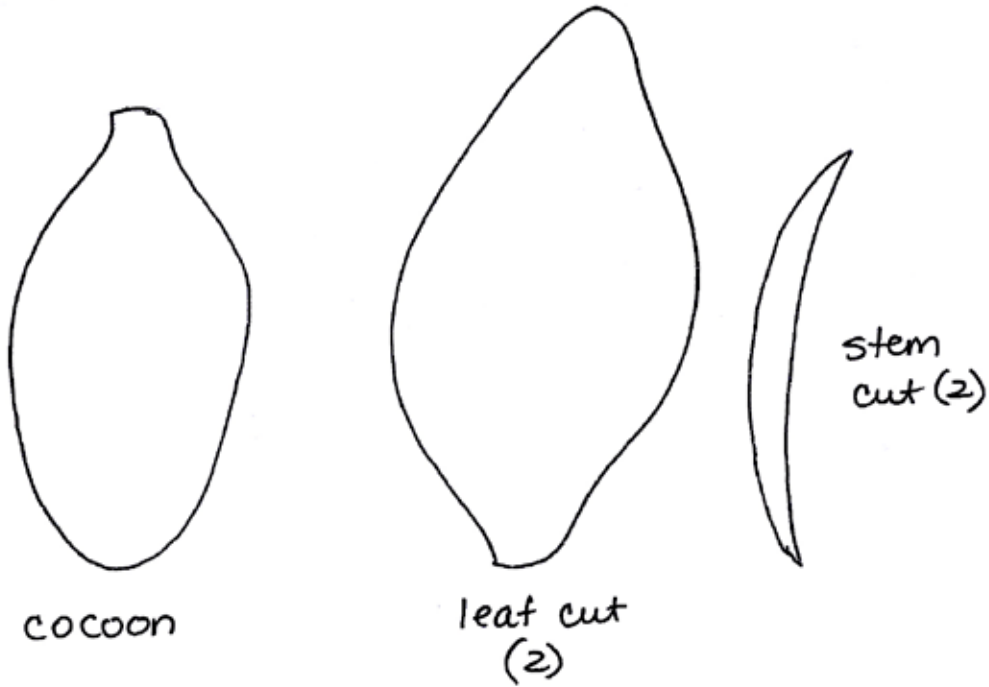
For best results, please read all instructions before beginning project. Refer to photo for color and design placement.

1. Place foil on work surface, wet fabric then wring dry. Place on foil then smooth flat. On another piece of foil squeeze a small puddle of each **Soft Fabric Paint™** color. Dip brush in water then fill brush with a color. Dab onto fabric, letting paint "run" across fabric, adding more water and paint to brush as needed. Repeat step with all colors, filling in fabric but leaving small sections of fabric showing through if possible. Let dry then iron smooth.
2. Cut out wing pattern from pattern sheet. Place onto fabric and use a pencil to lightly trace around each, then cut out. Pinch fabric at center of one wing and insert into clothespin pushing up as high as it will go. Repeat step with other wing. Add a dot of glue onto fabric in clothespin then wrap a small piece of tape around clothespin to hold fabric in place until dry. Remove tape.
3. Cut pink pipe cleaner in half, then wrap around head of clothespin and twist to secure. Swirl ends to look like antennae.
4. Trace leaf pattern onto green cardstock, and cocoon and leaf vein patterns onto lime paper then cut out. Use hole-punch to punch several white and green dots from cardstock.
5. Use **Fast Grab Tacky Glue™** to glue veins to center of leaves, green dots to cocoon and white "eggs" to other leaf as shown. Glue cocoon hanging from one leaf.
6. Use pushpin to create a hole at base of each leaf. Cut green pipe cleaners in half, then insert one through each hole, twisting a few times to secure.



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7. Wrap flat rock tightly several times with one end of black wire, threading other end through wire and twisting to secure. Make sure it sits flat by pressing on wire under rock as needed. Swirl remaining wire around pencil to create a coiled look.
8. To create caterpillar – glue five pom-poms onto rock as shown. Cut a 2” length from wire, bend in half then swirl ends. Pull apart first pom-pom, add glue to bend of wire then insert in pom-pom and close. Let dry.
9. Twist stems of leaves onto wire. Twist end of wire several times, then add glue to end and insert into clothespin, adding tape to hold in place until dry.



Enlarge image to fit plate