

SCIENCE: butterfly lifecycle

1ST & 2ND GRADE

Caterpillar Transformation Observation

Name: _____ Month: _____

Complete the calendar with dates. Draw a sketch of your caterpillar's transformation.

Su	Mo	Tu	We	Th	Fr	Sa
nd	on	es	ed	ur	id	ur
ay	day	day	day	day	day	day

Caterpillar Transformation Observation

Name: _____ Date: _____

Stage (Circle)

Description: _____ Sketch: _____

Caterpillar Transformation

Objective: to understand the major stages in the life cycle of a butterfly

Materials: caterpillar larva, food, plastic cups, butterfly net, soft containers, food for butterfly

Procedure:

1. Make your hypothesis
2. Observe the
3. Observe the

A Butterfly's Life Cycle

Fluttering Through Life Butterflies

Video Mini Lesson

Magi CORE ACADEMY



PRINTABLE & GOOGLE SLIDES

WHAT'S INSIDE?

PRINTABLE PDFs and
DIGITAL Google Slides unit to
teach all about a butterfly's cycle.



- Custom Video Lesson
- Reading Passage & Questions
- Mini Book & Vocabulary
- Worksheet & Activities
- Experiments & Explorations
- Quiz

Printable and Google
Slides Included



VIDEO & BRAINSTORMING



A Butterfly's Life Cycle

Name: _____ Date: _____

By: _____
Date: _____

Show What You Know

Directions: Complete the following prompts for the video watched.

List three things you learned from watching the video:

- 1.
- 2.
- 3.

Ask two questions you still have:

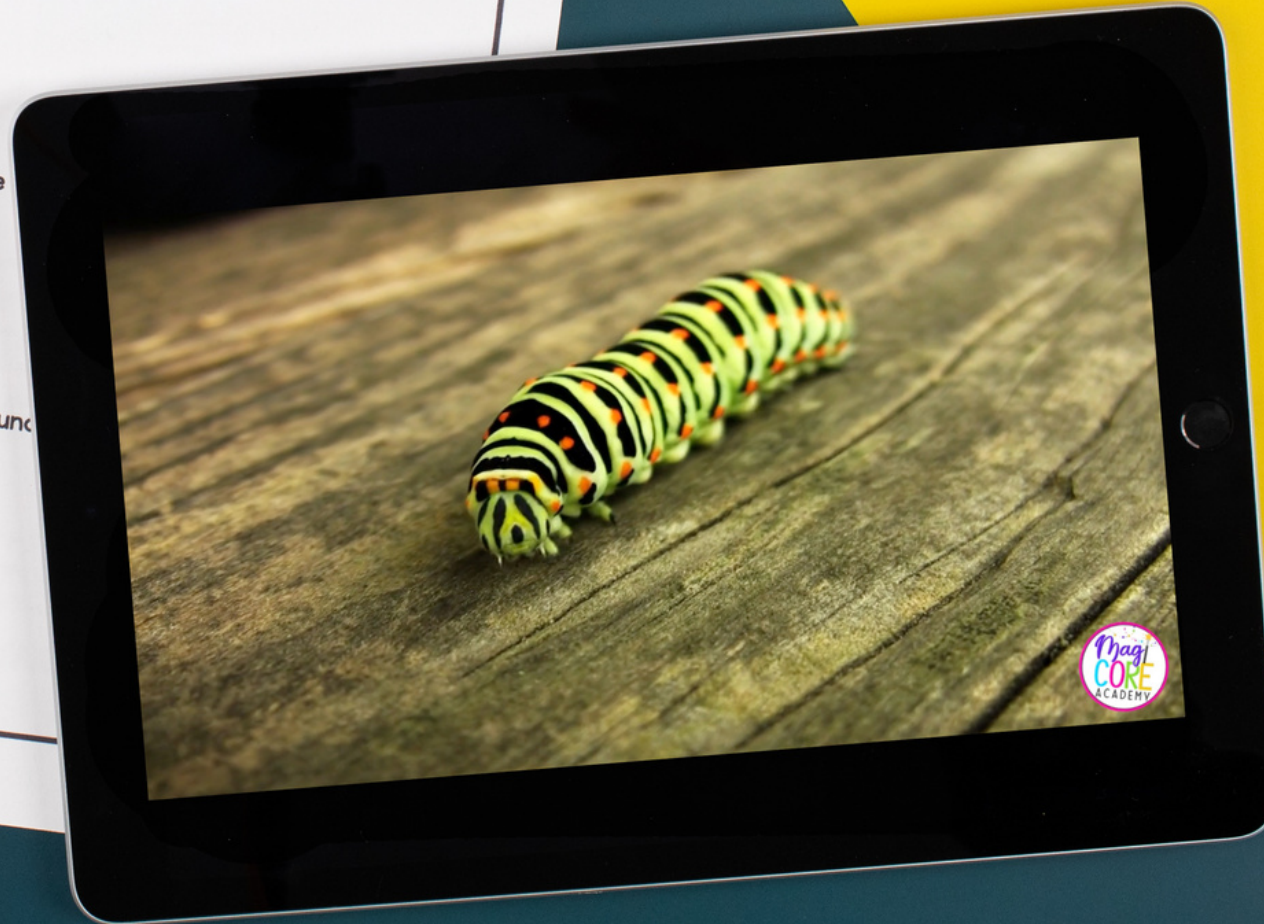
- 1.
- 2.

Say one thing you like most or found interesting:

- 1.



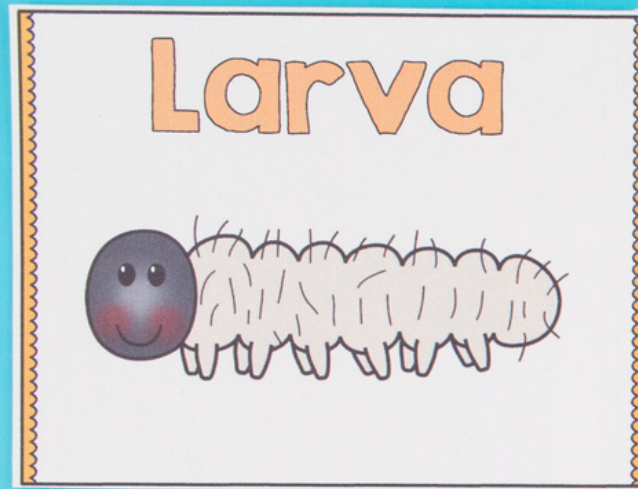
- Custom video to teach content in an engaging format.
- Prior knowledge and video graphic organizers.



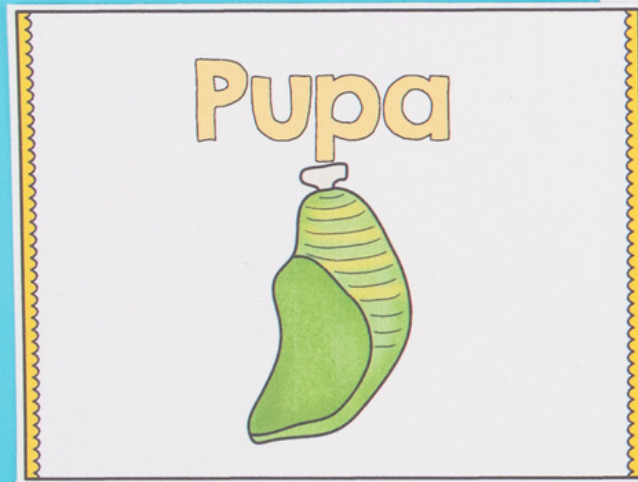
PASSAGES & QUESTIONS



- Passage & Question Set.
- Same content as custom video.
- Reinforces concepts and vocabulary.



Larva



Pupa



Chrysalis

Date: _____

Show What You Know

Directions: Complete the following for the video you just watched.

List three things you learned from the video.

- 1.
- 2.
- 3.

Ask two questions you still have.

- 1.
- 2.

Say one thing you like about butterflies.

- 1.

Date: _____

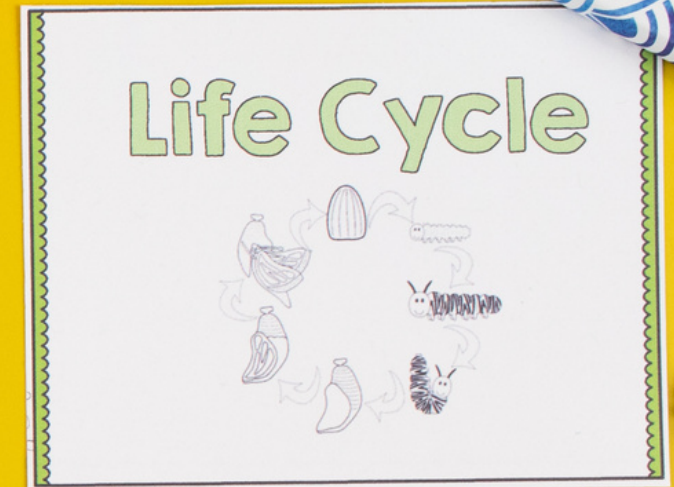
Fluttering Through Life: Butterflies

Butterflies are amazing creatures. Their journey from egg to adult is a process known as metamorphosis. This journey is divided into four stages: the egg, the caterpillar, the pupa, and the butterfly. Each stage plays an important role in the growth of a butterfly. Understanding these stages helps us appreciate nature.

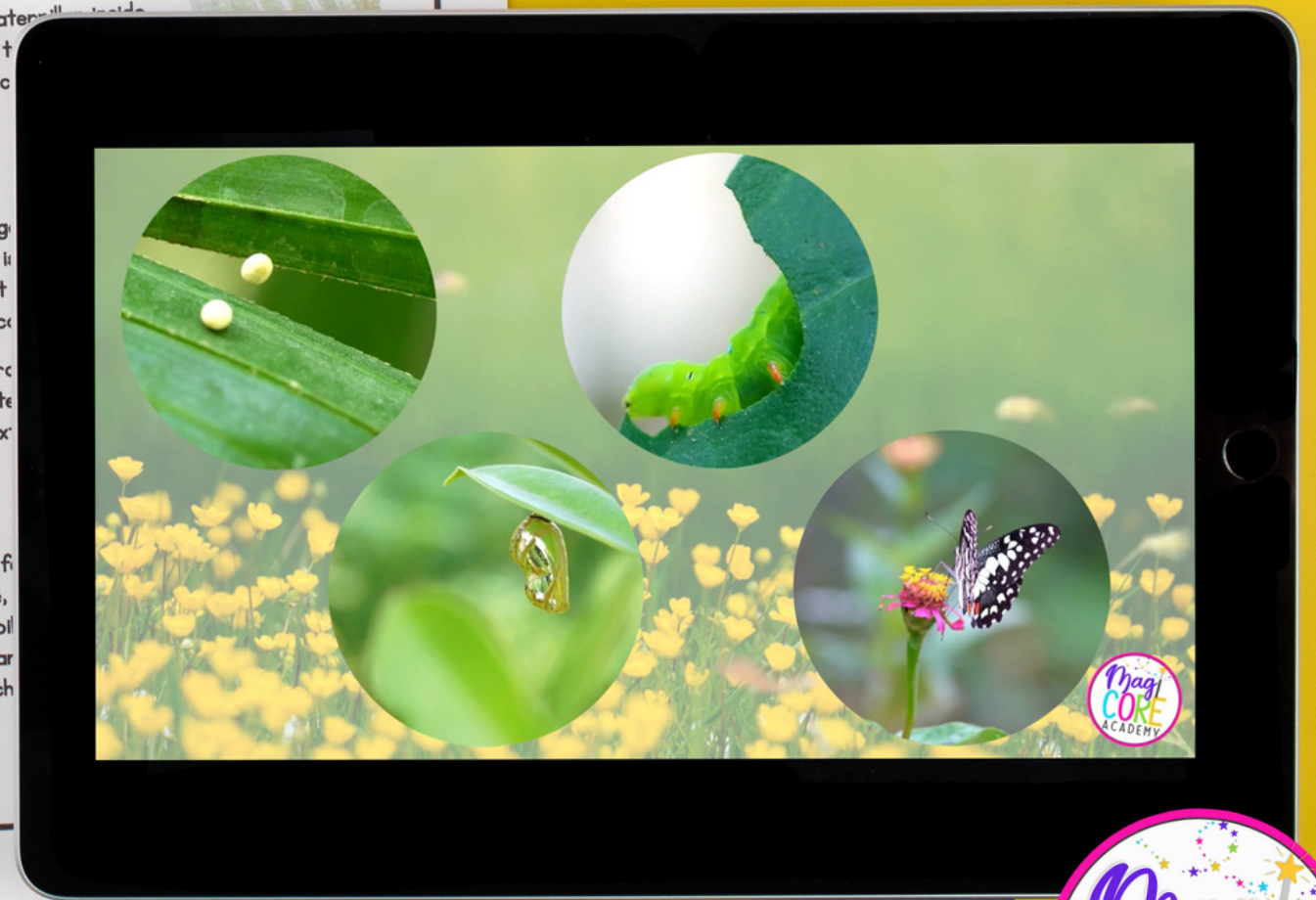
The Beginning: The Egg Stage
A butterfly starts its life as a tiny egg. They are laid on the leaves of plants. These eggs are very small and can be different shapes. The eggs protect the growing caterpillar inside. The egg is a safe environment for the caterpillar to grow. After a while, the egg hatches. A tiny caterpillar is the end of the egg stage.

Growth and Transformation: The Caterpillar Stage
The caterpillar is also known as larva. This is the longest stage of the butterfly's life cycle. Caterpillars grow a lot. Caterpillars eat many times. Shedding skin is called molting. The caterpillar grows and molts several times during this stage. The caterpillar is ready for the next stage.

The Transition: The Chrysalis Stage
As the caterpillar reaches its full size, it forms a protective shell. Inside the chrysalis, the caterpillar is preparing to become a butterfly. The caterpillar is unable to move during this stage. The chrysalis stage is a time of change for the final stage.



Life Cycle



MINI BOOK



- Vocabulary Cards
- Fill-in-the-blank mini book to hold students accountable to content and concepts



PRACTICE PAGES

- Video & Question Pages
- What Stage is it? Matching
- Butterfly Stage Charades Wheel
- Mini Book
- Flip Book
- Butterfly Stage Poster Project
- Butterfly Diagram
- Caterpillar Diagram
- Caterpillar Transformation Lab
- Caterpillar Transformation Observations

Butterfly Stages Charades

For this activity, students will get physical as they demonstrate their understanding of the butterfly's life cycle. In small groups, students will form two teams. Each team will take turns spinning the butterfly stages spinner. The student spinning will then act out the stage the spinner landed on while their team guesses what stage it is. If a team gets it correct, they get a point. If a team gets it wrong, they do NOT get a point. The first team to ten points wins.

Directions:

Materials:

- Butterfly Stages Spinner

Instructions:

1. Divide your class into small groups, and two even teams within those small groups.
2. Provide each group with a spinner.
3. Instruct students that they will work with their team to earn points. Teams will take turns as one student from the team will spin the spinner. This student has 30 seconds to act out the butterfly life cycle stage that their spinner landed on. There is no talking or mouthing words, just charades. The rest of the team members **ONLY GET ONE GUESS**, so be sure to tell the students to be thoughtful about their guesses. The team has 30 seconds to guess what stage is being acted out. If the team is correct, they earn a point. If they are incorrect, they do NOT earn a point. The first team to ten points wins.
4. Keep in mind that students are not limited to just physically acting out the action shown on the spinner. They should attempt to use all they know about the specific stage to inform how they act, showing the different parts of the stage.
5. Remind students of proper behavior during this activity. It is silly and engaging, but it must also be taken seriously, as they need to maintain composure and focus to act out the stage appropriately.
6. Encourage students to refrain from copying other teams or team members' actions if they spin the same stage. They should try to be creative and original.



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EXPERIMENTS

- Experiments that follow the Scientific Method
- Allow students to collaborate and explore!

The image displays three worksheets for a butterfly life cycle experiment, set against a vibrant background of yellow and blue with various stationery items like pens, pencils, paper clips, and paper butterflies.

Worksheet 1 (Left): Titled "Caterpillar Transformation Observations", it features a calendar grid for recording dates. The instructions are: "Complete the calendar with dates. Draw a sketch of your caterpillar." It includes fields for Name, Date, and Month.

Worksheet 2 (Middle): Titled "Caterpillar Transformation", it provides a structured approach to the experiment. It includes:

- Objective: to understand the major stages in the life cycle of a butterfly.
- Materials: caterpillar larva, food, plastic cups, butterfly net, safety pins, food for butterfly.
- Procedure:
 1. Make your hypothesis - What do you think will happen to the caterpillar larva?
 2. Observe the caterpillar each day and record observations.
 3. Once the caterpillars have transformed, set them free.
- Hypothesis: What do you think will happen to the caterpillars over time?
- Observation lines for "One Day", "One Week", and "One Month".

Worksheet 3 (Right): Titled "Caterpillar Transformation Observations", it is designed for daily or periodic observations. It includes:

- Fields for Name, Date, and Stage (Circle).
- Illustrations of the life cycle stages: egg, caterpillar, chrysalis, and butterfly.
- Large boxes for "Description" and "Sketch" for each stage.
- Additional fields for Date and Stage (Circle) for subsequent observations.

A purple arrow points from the text "Allow students to collaborate and explore!" towards the worksheets. In the bottom right corner, there is a circular logo for "Magi CORE" with a star and the word "CORE" in large letters.

QUIZ

Simple, quick
quiz to ensure
students
understand
basic concepts.



Name: _____ Date: _____

Butterfly Life Cycle Quiz

Label each stage of the butterfly life cycle:

1. _____



2. _____



3. _____



4. _____



5. _____



6. Why is this called a life cycle?

7. What stage will happen after the butterfly comes out of the cocoon?

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Life Cycle

UPGRADE THEIR SKILLS!

SCIENCE Bundle

1st & 2nd Grade Print & Digital

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Science: The Sun's Energy

Science: Butterfly Lifecycle

Science: Plant Life Cycle

Science: Living Organisms

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Love this unit, but need something more?
TRY THE BUNDLE!

