# Grade K: Unit 4, Lesson 17

**Title:** *From Caterpillar to Butterfly*

**Essential Question:** How do caterpillars change as they grow?

**Week 1 Comprehension**

**Knowledge Journal**

1. Read aloud the selection for the week.
2. After you read, stop and think about what you learned and the questions. What did you learn that was new *and important* about the topic from *this* resource? Use large public notes (chart paper) or individual note catchers to capture student learning. Use the optional questions to prompt reflection; sample answers provided for teacher reference.

**Sample Chart Responses**

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| **Title: *From Caterpillar to Butterfly*** |
| Write, Draw, or List |
| **Questions (optional)**  | **New and important learning about the topic or evidence** |
| What is different about the caterpillar in this book, compared to other caterpillars?  | *It will change into a butterfly in the classroom instead of outdoors.* |
| Why does a caterpillar eat? What happens when the caterpillar eats?  | *Because it is hungry.* *It will grow.* |
| Why is the caterpillar getting bigger every day?  | *Because it is eating a lot.* |
| What has happened to the caterpillar’s skin? Why did its skin split open? What is it called when a caterpillar crawls out of skin that is too small?  | *It broke. The caterpillar crawled out of it.**The caterpillar got too big for it.**Molting.* |
| How has the caterpillar changed since it was an egg laid on a leaf?Will the caterpillar grow more? Why not?  | *It hatched as a caterpillar and kept eating and growing. It molted. It kept getting bigger.**No. It has stopped growing.* |
| What happens the last time the caterpillar molts?  | *It grows a hard shell called a chrysalis.* |
| How has the caterpillar changed?  | *It’s a butterfly now. It turned into a butterfly in the chrysalis.* |
| Is the butterfly ready to fly when it comes out of the chrysalis? Why not?  | *No. Its wings were crumpled and wet. Its wings had to get dry and straight.* |
| Why can’t the butterfly stay in the jar?  | *It needs to be outside.* |
| How are these pages different from the rest of the book? *(Point out that each butterfly is shown next to the plant on which it lays eggs.)*  | *There are only butterflies, no children, no classroom.**The pages show caterpillars and butterflies that are different from the one in the story.* |
| What do caterpillars do to grow bigger?  | *They eat.* |

**Written Response**

Using the pictures and text, describe how caterpillars grow and turn into a butterfly.

**Sample Student Response**

Caterpillars eat leaves so they can grow larger. Once they are big enough, they grow a hard shell or chrysalis. Caterpillars turn into a butterfly inside the chrysalis.

**Week 2, Building Knowledge: Extending the Topic**

**Essential Question:** How do caterpillars change as they grow?

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| **Cumulative Activities** – The following activities could be completed and updated after reading each resource this week. The purpose of these activities is to capture knowledge building from one resource to the next and to provide a holistic snapshot of central ideas of the content covered in response to the essential question. *It is recommended that the class and/or students complete one of the Cumulative Activities (Rolling Knowledge Journal or Rolling Vocabulary) for Week 2.* |

**Rolling Vocabulary: “Fabulous Four” Sample**

* Read each resource then, with students, pick 4 important words. The Rolling Vocabulary may be kept as a large public interactive chart with words and pictures or drawings.
* Collaboratively use the 4 words to write about the most important ideas of the text. You should have as many sentences as you do words.
* Continue this activity with EACH selection in the text set.
* After reading all the selections on the topic, go back and review your words.
* Now select the “Fabulous Four” words from ALL the word lists.
* Use the “Fabulous Four” words to write an interesting sentence or sentences about the topic.

**Sample Student Response**

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| **Title** | **Fabulous Four Vocabulary Words & Sentences**  |
| *From Caterpillar to Butterfly* | **Words: splits, rush, damp, crumpled**1. When the caterpillar gets too big for its skin, the skin **splits** down the back.
2. And we all **rush** over to see.
3. Our butterfly is **damp** and **crumpled**.
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| *The Very Hungry Caterpillar* | **Words: warm, tiny, nibbled, cocoon**1. One Sunday morning the **warm** sun came up and-pop!-out of the egg came a **tiny** and very hungry caterpillar.
2. Then he **nibbled** a hole in the cocoon, pushed his way out and he was a beautiful butterfly!
3. He built a small house, called a **cocoon**, around himself.
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| *Ten Little Caterpillars* | **Words: wriggled, frightened, scaled, patiently**1. The second little caterpillar **wriggled** up a flower.
2. The eighth little caterpillar was **frightened** by a hen.
3. The tenth little caterpillar **scaled**, or climbed, an apple tree.
4. We have to wait **patiently** for a caterpillar to become a butterfly!
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| *How a Caterpillar Becomes a Butterfly* | **Words: stage(s), gulps, expand, soggy**1. Butterflies go through four **stages** in their life that turn them into the beautiful insects that we see flying around.
2. The caterpillar **gulps** in air to **expand** itself.
3. Well, a really **soggy** looking butterfly. Its wings are crumpled and wet.
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| *Butterfly, Butterfly* | **Words: batch, hatch, peep, snug**1. A caterpillar will lay a **batch** of eggs.
2. The eggs **hatch** when the caterpillars come out!
3. Don’t make a **peep** means they are quiet.
4. The caterpillar is **snug** inside the chrysalis.
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| *A Butterfly’s Life* | **Words: hatches, covering, form, flutters**1. A caterpillar **hatches** from the egg.
2. The **covering** a caterpillar spins keeps it safe.
3. The parts of a butterfly begin to **form** while it is in the chrysalis.
4. The butterfly **flutters** through the air.
 |
| *Adios Oscar! A Butterfly Fable* | **Words: See Read Aloud lesson for words and definitions** |
| **Fabulous Four: tiny, hatches, covering, form** |
| **Summary :**After the **tiny** caterpillar **hatches** from the egg, it eats leaves and begins to grow. Once big enough, the caterpillar grows a **covering** around itself and begins to **form** new parts to turn into a butterfly. |

**Rolling Knowledge**

1. Read each selection in the set, one at a time.
2. After you read *each* resource, stop and think what the big learning was. What did you already know about this from your other reading? Write or draw in the first box. This can be done collaboratively in small groups or individually depending on your students.
3. What did you learn that was new *and important* about the topic from *this* resource? Write, draw, or list what you learned from the text about (topic).

**Sample Student Response (most likely these would be drawings!)**

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| **Write, Draw, or List** |
| **Title** | **What I already knew from my other reading…** | **What I learned from reading this…** |
| 1. *The Very Hungry Caterpillar*
 | Caterpillars hatch from an egg and turn into butterflies. | Caterpillars should eat leaves and some stay in their cocoons for two weeks. |
| 1. *Ten Little Caterpillars*
 | Caterpillars can turn into butterflies. | There are many different kinds of butterflies and they can turn into a butterfly or a moth. |
| 1. *How a Caterpillar Becomes a Butterfly*
 | Caterpillars hatch from an egg and then eat leaves to grow. After they are done growing larger, they grow a chrysalis around themselves. Inside the chrysalis, the caterpillar turns into a butterfly. | Caterpillars go through four stages to become a butterfly. These stages altogether are called metamorphosis. |
| 1. *Butterfly Butterfly*
 | Butterflies lay eggs on leaves. | Butterflies lay their eggs in a batch. |
| 1. *A Butterfly’s Life*
 | A caterpillar turns into a butterfly while inside the chrysalis. | The caterpillar forms butterfly legs, wings, and antennae inside the chrysalis. |

**Written Response Week 2**

How did Oscar change throughout the story? How did this change affect Oscar’s goal of flying to Mexico?

**Sample Student Response**

Oscar wanted to be a butterfly and fly to Mexico. However, when he turned into a moth instead, he was very sad and thought he could not do it. Oscar’s friend, Edna, wrote him a note and encouraged him to follow his dreams. Oscar decided to think like a butterfly and flew to Mexico even though he was a moth.

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| Note to Teacher: *The presenter in the “How a Caterpillar Becomes a Butterfly” video speaks very quickly. Consider showing this toward the end of the week and plan on replaying and pausing the video to discuss vocabulary and content.*  |

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**Title:** *From Caterpillar to Butterfly*

**Essential Question:** How do caterpillars change as they grow?

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| **Title:**  |
| Write, Draw, or List |
| **Questions**  | **New and important learning about the topic or evidence** |
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**Writing**

Using the pictures and text, describe how caterpillars grow and turn into a butterfly.

**Student Response**

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**Building Knowledge: Extending the Topic**

**Essential Question:** How do caterpillars change as they grow?

**Rolling Vocabulary**

As you read each book, keep track of the new words you are learning. Collect the most important words from each book, website or video as you read and learn. Think about the words and write or draw a picture to help you remember them.

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| **Title** | **Vocabulary Words & Sentences** |
| *From Caterpillar to Butterfly* | Words:  |
| *The Very Hungry Caterpillar* | Words:  |
| *Ten Little Caterpillars* | Words:  |
| *How a Caterpillar Becomes a Butterfly* | Words:  |
| *Butterfly Butterfly* | Words:  |
| *A Butterfly’s Life* | Words:  |
| **Fabulous Four:** |
| **Summary:** |

**Rolling Knowledge**

As you read each book, keep track of what you are learning. Write and draw what you already knew in the box on the left. In the box on the right, write and draw about what you learned from this book.

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| **Write, Draw, or List** |
| **Title** | **What I already knew from my other reading…** | **What I learned from reading this…** |
| 1. *The Very Hungry Caterpillar*
 |  |  |
| 1. *Ten Little Caterpillars*
 |  |  |
| 1. *How a Caterpillar Becomes a Butterfly*
 |  |  |
| 1. *Butterfly, Butterfly*
 |  |  |
| 1. *A Butterfly’s Life*
 |  |  |

**Written Response Week 2**

How did Oscar change throughout the story? How did this change affect Oscar’s goal of flying to Mexico?

**Student Response**

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