## Unit Plan Template

Note: Type in the gray areas.

### Unit Author

<table>
<thead>
<tr>
<th>First and Last Name</th>
<th>Luke Landreville</th>
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</thead>
<tbody>
<tr>
<td>Author's E-mail Address</td>
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<td>Course Number(s)</td>
<td>4100</td>
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<tr>
<td>Course Section(s)</td>
<td>031</td>
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<tr>
<td>School City, State, Zip</td>
<td>Denton, Texas 76021</td>
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<tr>
<td>Instructor Name(s):</td>
<td>Dr. Gerald Knezek</td>
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### Unit Overview

#### Unit Plan Title

Lifecycle of a Butterfly

#### Curriculum-Framing Questions

<table>
<thead>
<tr>
<th>Essential Question</th>
<th>Where do caterpillars come from?</th>
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<tbody>
<tr>
<td></td>
<td>Where do butterflies come from?</td>
</tr>
<tr>
<td></td>
<td>How do caterpillars turn into butterflies?</td>
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</table>

<table>
<thead>
<tr>
<th>Unit Questions</th>
<th>What are the stages of the butterfly lifecycle?</th>
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<tr>
<td></td>
<td>How does the caterpillar morph into a butterfly?</td>
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#### Unit Summary

Students will learn about the four stages of a butterfly’s life cycle. Will understand the importance of each stage and that each phase serves a specific purpose in the development of the butterfly.

**Subject Area(s):** (List all subjects that apply)

Science

**Grade Level** (Click boxes of all grade levels that apply)

- K-2
- 6-8
- ESL
- Gifted and Talented
- 3-5
- 9-12
- Resource
- Other:
Student Objectives/Learning Outcomes

- Learn about the life cycle of a butterfly and why it occurs.
- Successfully identify the four stages of the butterfly cycle.
- Utilizing the website www.softschools.com/science/butterfly, construct their own butterfly life cycle project to prove comprehension of subject.

Targeted State Frameworks/Content Standards/Benchmarks

112.2. Science, Kindergarten

A. Introduction of Science

2. Recurring themes are pervasive in sciences, mathematics, and technology. These ideas transcend disciplinary boundaries and include patterns, cycles, systems, models, and change and constancy.

4. (D) Students will investigate the life cycle of plants and identify likenesses between parents and offspring.

B. Knowledge and Skills.

2. Scientific investigation and reasoning.
   (A) ask questions about organisms, objects, and events observed in the natural world;
   (E) communicate observations with others about simple descriptive investigations.

   (C) explore that scientists investigate different things in the natural world and use tools to help in their investigations.

4. Scientific investigation and reasoning.
   (B) use senses as a tool of observation to identify properties and patterns of organisms, objects, and events in the environment.

126.2. Technology Applications, Kindergarten-Grade 2.

7. Solving problems.
   (A) use software programs with audio, video, and graphics to enhance learning experiences;
   (B) use appropriate software, including the use of word processing and multimedia, to express ideas and solve problems.

8. Solving problems
   (A) use communication tools to participate in group projects;
   (B) use electronic tools and research skills to build a knowledge base regarding a topic, task, or assignment.
### Procedures

- Read the book "The Very Hungry Caterpillar"
- Reinforce their knowledge of the four stages (egg, caterpillar, cocoon, and butterfly) by talking about the book.

### Approximate Time Needed

(Example: 45 minutes, 4 hours, 1 year, etc.)

2-3 science blocks of time over the week. (2-3 hours)

### Prerequisite Skills

none

### Materials and Resources Required For Unit

#### Technology – Hardware

- Camera
- ✘ Computer(s)
- Digital Camera
- DVD Player
- ✘ Internet Connection
- Laser Disk
- Printer
- Projection System
- Scanner
- Television
- VCR
- Video Camera
- Video Conferencing Equip.
- Other:

#### Technology – Software

- Database/Spreadsheet
- Desktop Publishing
- E-mail Software
- Encyclopedia on CD-ROM
- Image Processing
- ✘ Internet Web Browser
- Multimedia
- Web Page Development
- Word Processing
- Other:

#### Printed Materials

- The Very Hungry Caterpillar by: Eric Carle

#### Supplies

- Unit Power Point, Unit Brochure, Caterpillar lifecycle worksheets and games

#### Internet Resources

- http://media.photobucket.com/image/butterfly/90kristen90jenn90/23.jpg
- [www.kidzone.ws/animals/monarch_butterfly.html](http://www.kidzone.ws/animals/monarch_butterfly.html)
- [www.softschools.com/science/butterfly](http://www.softschools.com/science/butterfly)

#### Others

### Accommodations for Differentiated Instruction

- **Resource:** Students will be allotted more time and individualized attention to help learn and understand the butterfly life cycle.
<table>
<thead>
<tr>
<th>Gifted Student</th>
<th>Students will be asked to complete a worksheet which requires them to recall and reproduce the butterfly life cycle and vocabulary associated with the lesson.</th>
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</thead>
<tbody>
<tr>
<td><strong>Student Assessment</strong></td>
<td>Using the rubric, they will be assessed on their brochure they create for comprehension and vocabulary.</td>
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