

Technology in the Early Elementary Classroom

Final Project

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Unit Title: Butterflies

Lesson Title: The Metamorphosis

Subject: Life Science

Intended Grade Level: Second

Description:

This project is a culminating activity of the student's knowledge of the butterfly life cycle. It is to be done at the end of the butterfly unit in which students have seen the metamorphosis of a butterfly. The students will create a slide show illustrating the different stages of development of a butterfly using presentation software and write about the changes going on in each stage. The student will need to create a minimum of 5 slides (a title slide, and four informational slides).

Curriculum Benchmarks:

1. *Science/[Strand III/Content Standard 2/Elementary](#)*

Benchmark 3

Describe life cycles of familiar organisms.

2. *English Language Arts/[Strand I/Content Standard 3/Early Elementary](#)*

Benchmark 1

Integrate listening, speaking, viewing, reading, and writing skills for multiple purposes and in varied contexts. Examples include using more than one of

the language arts to create a story, write a poem or letter, or to prepare and present a unit project on their community.

Net Standards:

1. Basic operations and concepts

- ? **Students demonstrate a sound understanding of the nature and operation of technology systems.**
- ? **Students are proficient in the use of technology.**

2. Technology productivity tools

- ? **Students use technology tools to enhance learning, increase productivity, and promote creativity.**
- ? **Students use productivity tools to collaborate in constructing technology-enhanced models, prepare publications, and produce other creative works.**

3. Technology communications tools

- ? **Students use telecommunications to collaborate, publish, and interact with peers, experts, and other audiences.**
- ? **Students use a variety of media and formats to communicate information and ideas effectively to multiple audiences.**

Materials/Hardware/Software:

Presentation Plan Sheet, STC Butterfly Science Kit, Broderbund's Kid Pix Deluxe 3 (or other presentation software), computer, printer, teacher rubric, student rubric, printer, 3.5 in. floppy disks, digital camera (Sony Mavica), paper.

Teacher Preparation:

- ? create student and teacher rubric
- ? create presentation plan sheet
- ? create student list of vocabulary used in butterfly unit
- ? basic knowledge of presentation software
- ? basic knowledge of operating a digital camera

Student Preparation:

- ? basic knowledge of presentation software
- ? basic knowledge of operating a digital camera
- ? knowledge of how to use a computer and printer
- ? understanding the life cycle of a butterfly
- ? photos of different stages of development of butterfly saved on floppy disk

Activities/Procedures:

1. Students will take pictures throughout study of butterfly unit of 3 stages of the butterfly life cycle with a digital camera and store on individual floppy disks.
2. Students will use the presentation plan sheet and unit vocabulary list to create a hard copy of their presentation.

3. Students will use student rubric to measure whether their project plan meets the criteria.
4. Student will get approval to begin multimedia presentation from teacher.
5. Student will create slide using Kidpix Deluxe 3 software.
6. Students will check project against student rubric.
7. Students will print project out and turn in for evaluation with floppy.

Assessment/Evaluation:

I will use the teacher rubric to evaluate student projects (see appendix).

Follow-Up Activities:

Create books and display books in the school media center. Show slide show presentations to students of all grade levels during library check-out and to parents during technology open house. (Our technology open house is at the end of the school year. It is a chance for all classes to display what they have done with technology throughout the school year.)

Multimedia Project: Butterfly Life Cycle-Teacher Rubric

Teacher name: Jackson

Student Name _____

CATEGORY	4	3	2	1
Content	Covers topic with details and examples. Subject knowledge is excellent.	Includes essential knowledge about the topic. Subject knowledge appears to be good.	Includes essential information about the topic but there are 1-2 factual errors.	Content is minimal OR there are several factual errors.
Requirements	All requirements are met and exceeded.	All requirements are met.	One requirement was not completely met.	More than one requirement was not completely met.
Attractiveness	Makes excellent use of font, color, graphics, effects, etc. to enhance the presentation.	Makes good use of font, color, graphics, effects, etc. to enhance to presentation.	Makes use of font, color, graphics, effects, etc. but occasionally these detract from the presentation content.	Use of font, color, graphics, effects etc. but these often distract from the presentation content.
Mechanics	No misspellings or grammatical errors.	Three or fewer misspellings and/or mechanical errors.	Four misspellings and/or grammatical errors.	More than 4 errors in spelling or grammar.

Butterfly Presentation Rubric

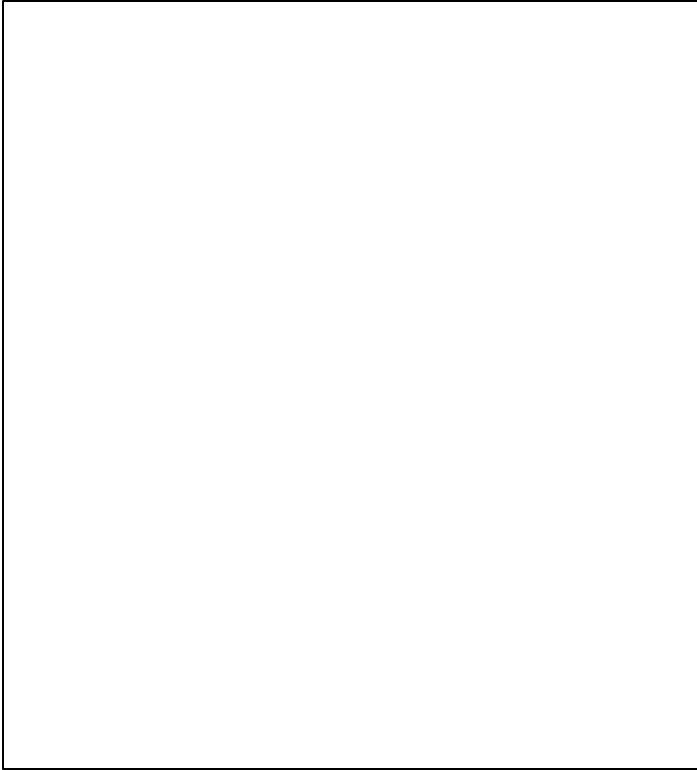
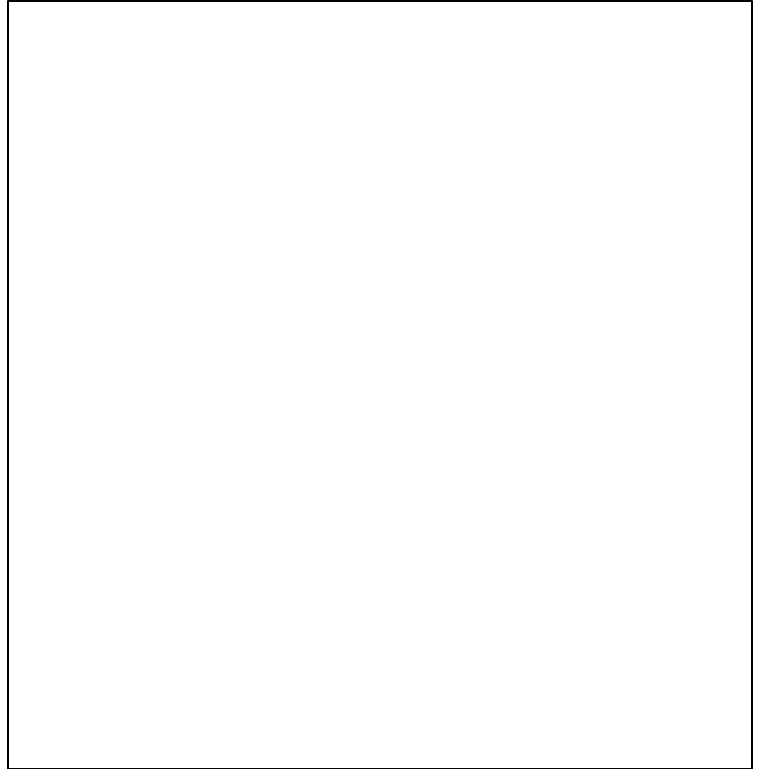
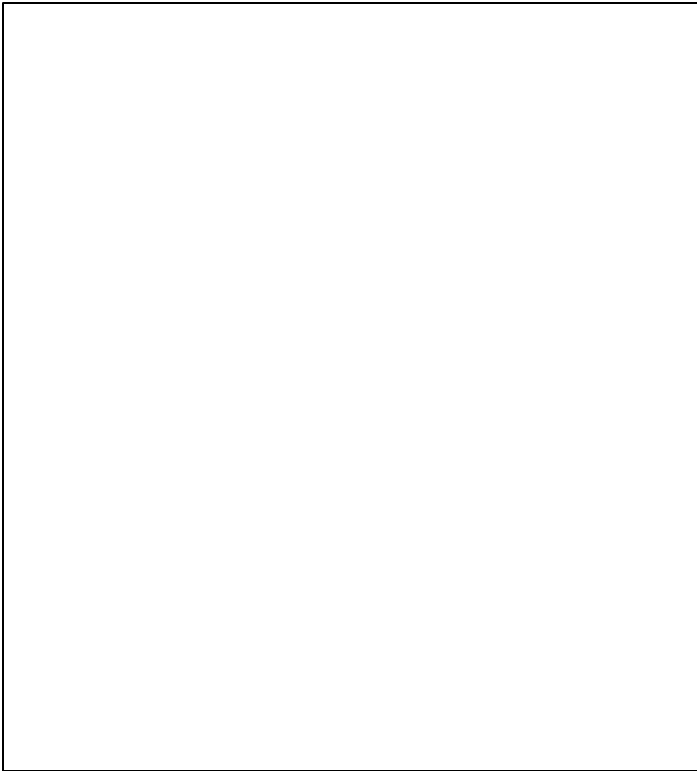
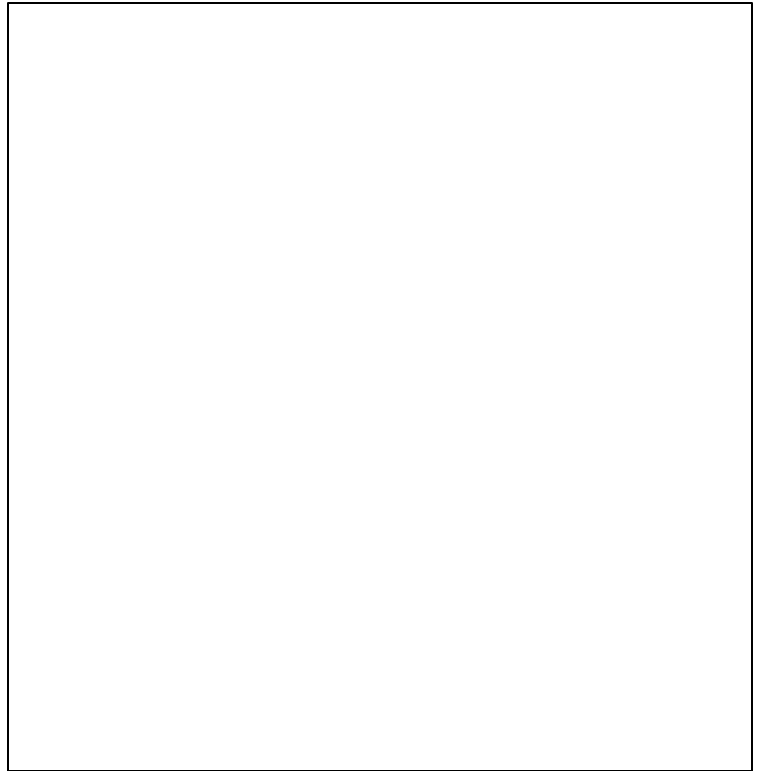
Name _____

Date _____

	???? Super	??? Good	?? Not Bad	? Needs Work
Does It Look Good?	I have a photo/drawing on all five slides and I can read my information easily.	I have a photo/drawing on 3 of the slides and I can read my information.	I have a photo/drawing on 2 of the slides and my information is hard to see clearly.	I have less than 2 photos or drawings and my information is hard to read.
Did I check my punctuation and capital letters?	All of my words are spelled correctly and I have periods and capital letters where they belong.	Most of my words are spelled correctly and I am missing 1 period and/or forgot 1 capital letter.	I have more than 3 misspelled words and I am missing 2 ending marks and/or capital letters.	I have several misspelled words and I am missing more than 3 ending marks and capital letters.
Are My Facts Right?	All four of my facts about the butterfly life cycle are correct.	Three of my facts about the butterfly life cycle are correct.	Two of my facts about the butterfly life cycle are correct.	One of my facts about the butterfly life cycle is correct.

Presentation Planning Sheet

Name _____

A large, empty rectangular box with a thin black border, intended for writing notes or planning the presentation.A large, empty rectangular box with a thin black border, intended for writing notes or planning the presentation.A large, empty rectangular box with a thin black border, intended for writing notes or planning the presentation.A large, empty rectangular box with a thin black border, intended for writing notes or planning the presentation.