

Teacher Name
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School
Carver Elementary

Lesson Title
Let Me Fly (Butterfly Life Cycle)

Length of Lesson
60 to 90 minutes - some one-on-one time is needed for recording

Target Grade
k
Target Subjects

Science

Summary

The students will use Pixie to create a butterfly life cycle presentation. Through using stickers, processing, and recording tools within the program, the student will work to create pages that will be compiled to make the entire project. The final project will contain at page for each stage of the life cycle of a butterfly with the student dictating the change that has occurred over time.

Essential Questions Objectives

What physical change does the caterpillar undergoes throughout the life cycle? Given a computer and programming (Pixie), the student will create an animation to depict the life cycle of a butterfly with all stages of the life cycle correctly placed and Identified.

Through this lesson VA Science SOL K.6 is addressed:

The student will investigate and understand basic needs and life processes of plants and animals.

Key concepts include

- a) living things change as they grow, and they need food, water, and air to survive;
- b) plants and animals live and die (go through a life cycle); and

- c) offspring of plants and animals are similar but not identical to their parents and to one another.

Standards

Science SOL K.6

Technology Resources

Pixie, Quicktime

Other Resources

n/a

Process

Upon going to their folder on the server, the students open the Pixie documents labeled Butterfly, Butterfly1, Butterfly2, Butterfly3, Butterfly4, Butterfly5. These files contain the template created by the teacher previous to the lesson. The template contains only a background with a tree with a box, flowers, grass, and sky. Once all Pixie files have been opened, the student is instructed to click on the file named Butterfly. On this file, the student must type in the text to read "(Student's name) Butterfly Life Cycle." After completing the first of what will be six pages, the students then click on Butterfly1. The students already have previous knowledge of how and where to find stickers in Pixie and are instructed that for each page (Butterfly1, Butterfly2, Butterfly3, Butterfly4, Butterfly5) they will use the butterfly life cycle stickers and place the stickers on the correct page to create the order of the life cycle. After giving directions and modeling the first page, the teacher ensures all students understand the tasks, and then allows the students to work independently while he/she continually moves around the classroom monitoring progress, informally assess as they talk about why they are placing the stickers where they are, and answering any questions. The students are also encouraged to consult with a peer if having difficulty. Once all pages have been created, the students switch to the share view of Pixie to ensure all pages are in correct order. During this time the teacher will need to work with one student at a time to record audio while the other students work on an additional task. While working with the teacher, the student will go back to paint mode to record. On each page, the student will use the record feature, to dictate what is occurring at that stage in the life cycle. Once all pages have been recorded, the student will go to the share view, adjust the timing to 7 seconds, change the transition settings if they desire, and add any background sound they like. After all adjustments are made the student ensures video is click at the top of the options menu, clicks the check mark to create, clicks on the presentation icon, and saves it to his/her folder. Throughout this the teacher aids with questions and navigation.

Assessment of Objectives

Upon completing the assignment, the student will have created a video for viewing. The teacher will view the video to assess if the student included all stages of the butterfly life cycle and followed the directions given to complete the tasks. Before the students begin working, the teacher will clearly explain the task and show a completed project so the students may see what they are working to complete.

Research Rating
Approaching

Research Description

Students utilize prior knowledge driven from teacher directed instruction, creation of "How a Butterfly Grows" student book, and paper plate model life cycle and apply knowledge from those previous skills to complete the task.

Communication Rating
Approaching

Communication Description

Students share the life cycle of a butterfly. Upon completion the students will play their video to share with their peers.

Critical Thinking Rating
Approaching

Critical Thinking Description

Student use prior knowledge from research to create their work. Students are working toward creating a video of the life cycle of a butterfly and must use information introduced from teacher instruction and student work such life cycle booklet and paper plate model life cycle to complete the task.

Creativity Rating
Approaching

Creativity Description

Student creates a specific product work containing elements of originality and teacher-defined requirements.

Artifact document name
Allie's_Butterfly_Life_Cycle.MOV.zip
URL provided
Denial of Permission Verification
yes
Creative Commons
yes