



Class Title: Blue Life Science: The Circle of Life

Teacher Name: Amanda Metz

Class Day: Friday

Class Size: 15

Class Supply Fee: \$20

Class Fee: \$96

Ages or color group served: Blue

What level is this class: Level 2

Prerequisites: Meet Level 2 Requirements

Graduation Requirements: Homework completion (no more than 3 missed), participation in the presentation (unless an excused absence), and a passing grade on the final test (Don't stress this! They will just have to get 12 out of 20 questions correct and it will be multiple choice or fill in the blank-with a word bank).

Homework Requirements: Homework will be sent home weekly. You will see the homework expectation in the weekly layout; this will normally be them reviewing vocab cards.

Class Description:

This class will focus on the following 3rd grade standards for life sciences:

- 3-LS1-1 Develop and use models to describe how organisms change in predictable patterns during their unique and diverse life cycles
- 3-LS2-1 Construct an argument that some animals form groups that help members survive
- 3-LS3-1 Analyze and interpret data to provide evidence that animals have inherited traits that vary within a group of similar organisms
- 3-LS3-2 Use evidence to support the explanation that traits can be influenced by the environment
- 3-LS4-2 Use evidence to construct an explanation for how the variations in traits among individuals of the same species may provide advantages in surviving and producing offspring



- 3-LS4-3 Construct an argument with evidence that in a particular habitat some organisms can thrive, struggle to survive, or fail to survive

We will cover these standards by watching videos, doing worksheets, research, working in groups, playing games, doing activities, vocabulary review, and presentations.

Week 1:

Ice Breaker and Classroom Rules. Classify animals into major groups (mammals, birds, reptiles, amphibians, fish, arthropods, vertebrates, invertebrates, those having live births and those which lay eggs) according to their physical characteristics and behaviors.

This will be covered with a diagram and worksheet.

Homework: Vocab cards- mammal, birds, reptiles, amphibians, fish, & arthropods

Week 2:

Introduce life cycles. Pick either frogs, sea turtles, chickens, or salmon life cycle and do diagram and worksheet and then break into groups and present the life cycle chosen.

Homework: Vocab cards- vertebrate & life cycle

Week 3:

Investigate Ant vs Praying Mantis Worksheet: Class will break into two groups (ants vs praying mantis) each group will learn about that particular life cycle doing a diagram and worksheet and present life cycle chosen

Homework: Butterflies : Life cycle and worksheet or African Dung Beetle | National Geographic : Life cycle and worksheet

Week 4:

Play board game or do crossword

Homework: Vocab cards – invertebrate, egg, larva, pupa, nymph, & adult

Week 5:

Discuss animals forming groups. Why? Discuss the different motivations.

Mini booklet: read and color

Do Penguin group huddle activity and worksheet



Homework: determine why animals form groups using the cards and pockets, be ready to share with the class why you chose what you chose. Vocab cards – cope, predator, & prey

Week 6:

Discuss the week priors' homework

Talk about Cause and Effect in regards to animals forming groups and do worksheet

Talk about advantages/disadvantage of animals forming groups and do worksheet

Homework: Students will pick an animal group to research: flamingos, elephants, dolphins, wolves, meerkats, chimpanzees

Week 7:

The students will break up into groups by the animal group they chose to research. They will spend the class with their group planning their presentations. Presentations will be at least 5 minutes and no more than 8 minutes with each person speaking.

Poster board, notecards, glue, markers, and pictures will be provided.

Week 8:

Presentations 5-8 minutes each

Week 9:

Mini booklet: read and color

Behavioral vs Physical adaptation worksheet

Homework: Vocab cards – adaptation, behavioral adaptation, physical adaptation, mutation, & variation

Week 10:

Watch Camouflage video

Camouflage puzzles and decide which type of camouflage it is: concealing coloration/blending, disruptive coloration/patterning, disguise, and mimicry

Vocab cards – camouflage, concealing coloration/blending, disruptive coloration/patterning, disguise, mimicry, & habitat

Week 11:

Watch Hibernation video



HOMESCHOOL

COLLABORATORS

UNITED

CO-OP & HYBRID ACADEMY



Read geese Migration or butterfly migration.

Homework: Vocab cards – hibernation and migration. Prepare for the test.

Week 12:

We will have a 20 minute review before the kids take a 30 minute/20 question multiple choice/fill in the blank test.