



«Science Lesson Plans

Who's In Your Class?

Published on July 30, 2009 by Michael Compton, Chris Gibler, Anthony Grego, Jennifer Phillips, Tami William

Description

This 9 day study will have students classifying animals as vertebrates and invertebrates (as well as into class characteristics) and indentifying animals using a dichotomous key. Lessons will be extended to include cross in reading, writing, and technology.

Grade Level

5th grade

Lesson Objective

- Classify animals as vertebrates and invertebrates
- Classify vertebrate animals into classes (amphibians, birds, reptiles, mammals, fish) based on their characteristics
- Identify plants or animals using simple dichotomous keys
- During reading, utilize strategies to self-monitor comprehension
- During reading, utilize strategies to question the text
- During reading, utilize strategies to summarize
- Apply information in text features, graphics, such as maps, diagrams, charts and index, to clarify and identify the main ideas
- Use details from text to identify and interpret author's ideas and purpose
- Compose a variety of texts, narrative, descriptive, expository, and/or persuasive texts, using appropriate details
- Compose a variety of texts including a summary (narrative or informational)

GLEs

- 3.1E.c Classify animals as vertebrates and invertebrates
- 3.1E.d Classify vertebrate animals into classes (amphibians, birds, reptiles, mammals, fish) based on their characteristics
- 3.1E.e Identify plants or animals using simple dichotomous keys
- W.3.A.a Compose a variety of texts, narrative, descriptive, expository, and/or persuasive texts, using appropriate details
- W.3.A.c Compose a variety of texts including a summary (narrative or informational)
- R.1.G.b During reading, utilize strategies to self-monitor comprehension
- R.1.G.c During reading, utilize strategies to question the text
- R.1.G.g During reading, utilize strategies to summarize
- R.3.A Apply information in text features, graphics, such as maps, diagrams, charts and index, to clarify concepts to the main ideas
- R.3.C.i. Use details from text to identify and interpret author's ideas and purpose

Depth of Knowledge

Level 2

Instructional Strategies

Identifying similarities and Differences

summarizing and note taking

cooperative learning

cues, questions and advanced organizers

Time Needed

9 days

Materials

Animal flash cards -6 sets of 10

6 quart size baggies

Pad of chart paper/markers

Document camera

LCD projector

White screen

Computer-teacher station

Computer Lab Access

Pencils-class set

Eight resin specimens

Enasco.com Four Assorted Bug Blocks \$10.95 (set A/B)

Clipboards- class set

Garmin GPS - 6

CPS clickers –class set

Science journals

Academic Vocabulary

see below

Lesson Plan

 [Animal Card Sort Lesson](#)

 [Animal Card Sort Activity Page](#)

 [Non Fiction Text Structure Lesson](#)

 [Animal Classification webquest](#)

 [Animal Classification webcams](#)

 [Animal Classification Journal Lesson](#)

 [Animal Classification Dichotomous Key](#)

 [Animal Classification Dichotomous Key Power Point](#)

 [GPS Activity 1](#)

 [GPS Activity 2](#)

 [Animal Classification grade 5 assessment](#)

 [Academic Vocabulary](#)

Resources

Scott Foresman 5th grade Textbook Volume 1, Unit A: pages 6-21

5th grade Scott Foresman Leveled Readers: Classifying Organisms, Grouping Living Things, A Cat F

Who's in Your Class by John Lithgow

Classifying Reptiles by Richard and Louise Spilsbury

Classifying Amphibians by Richard and Louise Spilsbury

Classifying Mammals by Andrew Solway

Classifying Fish by Richard and Louise Spilsbury

Classifying Birds by Andrew Solway

What is an Amphibian? by Bobbie Kalman

What is a Vertebrate? by Bobbie Kalman

Reptiles of All Kinds by Bobbie Kalman

Amazing Amphibians by Sara Swan Miller

Slithering Snakes by Lynn Huggins-Cooper

Amazing Reptiles and Amphibians by Brian Williams

Scorpions by Mary Packard

Teeth, Tails and Tentacles by Christopher Wormell

e.guides Mammals by Jenn Green

Snapshots, the wonders of Monterey Bay
by Celeste Davidson Mannis

Literature links

1

Text book link(s)

1

Key concepts: [animal classifications](#) [vertebrates](#) [invertebrates](#)

ICE 5 Science Institute © 2010

