

Unit #11 Classification

Content Area: **Science**
Course(s):
Time Period:
Length: **7 days**
Status: **Published**

State Mandated Topics Addressed in this Unit

<u>State Mandated Topics Addressed in this Unit</u>	
N/A	N/A

Classification

Learning Objectives

- Objective 1 - Evaluate the evidence for the role of group behavior on individual and species' chances to survive and reproduce.

Essential Skills

- Essential Skill 1 - Understand why scientists classify organisms
- Essential Skill 2 - Understand how evolutionary relationships affect the way scientists classify organisms
- Essential Skill 3 - Understand and describe the major groups in the modern classification system.

Standards

SCI.HS-LS2-8	Evaluate the evidence for the role of group behavior on individual and species' chances to survive and reproduce.
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Instructional Tasks/Activities

- Cladogram Handout: Students identify evolutionary differences on a cladogram, then create their own cladogram using information they gather
- Classification of Animals Lab: Students observe traits of various animals, look for similarities and differences, then use a dichotomous key to determine the species.
- Foldables – organization of material
- Group discussion

- Inquiry based lab activity- Dichotomous Key: Lab (sharks) (donuts) (protist drawings): students use dichotomous key provided to identify various species of an animal
- Kingdom Objects: Students are given an envelope with random items inside. They are to work together to categorize these items into phyla and classes according to common characteristics, then describe their classification system to the class, and discuss differences in each group's system.
- PowerPoint presentation of material
- Review game
- Think, pair, share (read assigned section of text individually, discuss with a partner, present material in pairs to class – use PowerPoint as a reference)

Assessment Procedure

- Classroom Total Participation Technique
- Classwork
- DBQ
- Essay
- Exit Ticket/Entrance Ticket/Do Now
- Journal / Student Reflection
- Kahoot
- Other named in lesson
- Peer Review
- Performance
- Problem Correction
- Project
- Quiz
- Rubric
- Teacher Collected Data
- Test
- Worksheet

Recommended Technology Activities

- Appropriate Content Specific Online Resource
- Appropriate Content Specific Online Resource
- Copy/Paste Content Specific Link Here
- Copy/Paste Content Specific Link Here
- Copy/Paste Content Specific Link Here
- Gimkit
- GoGuardian
- Google Classroom

- Google Docs
- Google Slides
- Google Slides
- Kahoot
- MagicSchool AI
- Other- Specified in Lesson
- Quiziz
- Screencastify

Accommodations & Modifications & Differentiation

Accommodations and Modifications should be used to meet individual needs. Their IEP and 504 plans should be used in addition to the following suggestions.

Gifted and Talented

- Compare & Contrast
- Conferencing
- Debates
- Jigsaw
- Peer Partner Learning
- Problem Solving
- Structured Controversy
- Think, Pair, Share
- Tutorial Groups

Instruction/Materials

- alter format of materials (type/highlight, etc.)
- color code materials
- eliminate answers
- extended time
- extended time
- large print
- modified quiz
- modified test
- Modify Assignments as Needed
- Modify/Repeat/Model directions

- necessary assignments only
- Other (specify in plans)
- other- named in lesson
- provide assistance and cues for transitions
- provide daily assignment list
- read class materials orally
- reduce work load
- shorten assignments
- study guide/outline
- utilize multi-sensory modes to reinforce instruction

Environment

- alter physical room environment
- assign peer tutors/work buddies/note takers
- assign preferential seating
- individualized instruction/small group
- modify student schedule (Describe)
- other- please specify in plans
- provide desktop list/formula

Honors Modifications

Resources

- Resource 1
- Resource 2
- Resource 3
- Resource 4
- Resource 5