

# Unit 5: Evolution of Life

Content Area: **Template**  
Course(s):  
Time Period:  
Length:  
Status: **Published**

## State Mandated Topics Addressed in this Unit

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N/A	N/A

## Evolution of Life (~3 Weeks) Chapters 22-29

### Learning Objectives

- Cladograms
- Evidence for Evolution
- Genome Evolution
- Origin of Species
- Population Genetics and Hardy Weinberg and Chi Squared

### Essential Skills

- 1A.1
- 1A.2
- 1A.3
- 1A.4
- 1B.1
- 1B.2
- 1C.1
- 1C.2
- 1C.3
- 1D.2
- 2A.2
- 2C.2
- 2D.1

- 2D.2
- 3A.1
- 3A.2
- 3A.3
- 3C.1
- 3C.2
- 4A.4
- 4A.6
- 4B.3
- 4C.3
- 4C.4
- Big Idea 1
- Big Idea 3
- Science Practice 1
- Science Practice 2
- Science Practice 3
- Science Practice 4
- Science Practice 5
- Science Practice 6
- Science Practice 7

## **Standards**

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## **Instructional Tasks/Activities**

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Please note: Some activities, labs, and/or projects are subject to change, activity with numbers in parentheses indicates AP Biology required lab.

- AP Free Response Questions
- Archaeopteryx Case Study
- BLAST Lab (3)
- Cladogram Interpretation Activity
- Dichotomous Key Activity
- Great Clade Race
- Hardy-Weinberg and Chi Squared Practice Problems
- Paper Lab: Natural Selection of Peppered Moths
- Population Genetics and Hardy-Weinberg Lab: PTC Tasting and Chi Squared Analysis
- Population Genetics Lab

- Simulated Genetic Drift Activity
- Unit Test: Population Genetics, Evolution

## **Assessment Procedure**

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- 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**

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- Appropriate Content Specific Online Resource
- Chromebook
- 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 Forms
- Google Slides
- Kahoot
- MagicSchool AI
- Other- Specified in Lesson

- Quiziz
- Screencastify

## **Accommodations & Modifications & Differentiation**

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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**

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

## **Instruction/Materials**

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- 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**

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- 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**

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## **Resources**

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