

# Evolution

Marzano Framework Biology HS

Start Date: February 06, 2012

End Date : March 16, 2012

## Why is it important?

<p>Enduring Understandings</p> <p>Understand that nothing in Biology makes sense except in the light of evolution.</p>	<p>Essential Questions</p> <p>How does evolution occur? What are Darwin's contributions to the theories of evolution? What evidence exists in the fossil records about evolution? How are artificial selection and natural selection related?</p> <p>Learning Targets</p> <p>Define the biological process of evolution. Describe Charles Darwin's contributions to scientific thinking about evolution. Relate several inferences about the history of life that are supported by evidence from fossils and rocks. Compare artificial selection and natural selection.</p>	<p>Key Vocabulary</p> <p>evolution strata natural selection adaptation fitness fossil superposition relative age absolute age biogeography homologous structure analogous structure vestigial structure phylogeny convergent evolution divergent evolution adaptive radiation artificial selection coevolution</p>
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## Standards

### OH\_Academic\_Content\_Standards - Science (2011) - Biology

#### Content 2 Evolution

##### 2.1 Mechanisms

2.1.1 Natural selection

2.1.2 Mutation

2.1.3 Genetic drift

2.1.4 Gene flow (immigration, emigration)

2.1.5 Sexual selection

2.1.6 History of life on Earth

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### Why am I teaching?

Unit Objectives

Define the biological process of evolution. Describe Charles Darwin's contributions to scientific thinking about evolution. Relate several inferences about the history of life that are supported by evidence from fossils and rocks. Compare artificial selection and natural selection.

### What additional resources do I need?

Notes	Web 2.0 tools	Resources PowerPoint Notes Textbook readings and questions DVD's Darwin Poster Geological Timeline Halflife Activity Worksheets
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## **Standards Summary - Evolution**

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**No Plan Available**

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