

## Cell Reproduction (Mitosis/Meiosis)

Marzano Framework Biology HS

Start Date: December 26, 2011

End Date : January 13, 2012

### Why is it important?

<p>Enduring Understandings</p> <p>Understand the steps involved in cell reproduction.</p>	<p>Essential Questions</p> <p>What is the process of cell division in prokaryotes? What are the stages of mitosis? What happens during the course of interphase? What are the structures of a chromosome?</p> <p>Learning Targets</p> <p>Describe the events of cell division in prokaryotes. Summarize the stages of mitosis and events in interphase. Describe the structure of a chromosome.</p>	<p>Key Vocabulary</p> <p>chromosome histone chromatid centromere chromatin sex chromosome autosome homologous chromosome karyotype diploid haploid binary fission mitosis asexual reproduction meiosis gamete interphase cytokinesis prophase spindle fiber metaphase anaphase telophase cell plate synapsis tetrad crossing-over genetic recombination</p>
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		independent assortment spermatogenesis oogenesis polar body sexual reproduction
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### Standards

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

Content 4 Cells

4.2 Cellular processes

4.2.3 Cell division and differentiation

### Why am I teaching?

Unit Objectives

Describe the events of cell division in prokaryotes. Summarize the stages of mitosis and events in interphase. Describe the structure of a chromosome.

### What additional resources do I need?

Notes	Web 2.0 tools	Resources PowerPoint Notes Worksheets Lab: Microscope Lab with Onion Cells Lab: Mitosis Plastic Model Lab Lab: Mitosis Model Lab Lab: Meiosis Plastic Model Lab Lab: Lily Meiosis Slide Lab Lab: Meiosis Model Lab DVD's
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## **Standards Summary - Cell Reproduction (Mitosis/Meiosis)**

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**No Plan Available**

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### **Standards**

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