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**CH. 5: Heredity**

**Lesson:** 5-1 Mendel & his peas  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 6

**\*\*Correct Homework, if any\*\***

**Lesson Objective**

Explain the experiments of Gregor Mendel.  
Explain how genomes and alleles are related to genotypes and phenotypes.  
Use the information in a Punnett square.

**Teaching Procedure**

Day 1: Read/discuss p. 104, p. 106-107.  
Day 2: Read/discuss p. 108-111.  
Day 3: Show Windows on Science V. 2: Life Goes On. Review Punnett Square use with eye color examples from the class.

**Homework Assignment**

Day 1: Worksheet 5  
Day 2: Worksheet 5-1

**Lesson:** 5-2 Meiosis  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 6

**\*\*Correct Homework, if any\*\***

**Lesson Objective**

Explain the difference between mitosis and meiosis.  
Describe how Mendel's ideas are supported by meiosis.  
Explain the difference between male and female sex chromosomes.

**Teaching Procedure**

Day 1: Read/discuss p. 114-117. View/discuss meiosis and mitosis animations at <http://www.johnkyrk.com/meiosis.html>  
Day 2: Read/discuss p. 118-119

**Homework Assignment**

Worksheet 5-2

**Lab**

Have students create models of meiosis steps using paper, yarn and markers.

**Lesson:** Test  
**Author:** ...  
**Endorsed:** ...  
**Level:** Grade 6

**Student Evaluation**

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ExamView Test File