

**The Sun and Other Stars**

**Lesson:** D2-1 What are the features of the Sun?  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 5

**Lesson Objective**

Observe sunspots.  
Identify causes and effects of sunspots.  
Explore how the Sun's energy affects life on Earth.  
Understand the layers of the Sun.  
Learn about Sun's visible features.

**Teaching Procedure**

Day 1: Lab: p. D36-37.  
Day 2: Read p. D38-39.  
Day 3: Read p. D40-41.  
Day 4: Read p. D42-43.

**Homework Assignment**

WB245

**Lesson:** D2-2 How are stars classified?  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 5

**\*\*Correct Homework, if any\*\*****Lesson Objective**

Understand star magnitude.  
Identify types of stars.  
Describe how stars change.

**Teaching Procedure**

Day 1: Read p. D46-47.  
Day 2: Read/discuss 'Inside Story' graphic, p. D48-49.  
Day 3: Read p. D50-51.

**Homework Assignment**

WB250

**Lesson:** D2-3 What are Galaxies?  
**Author:** Mr. Hilvers  
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**Level:** Grade 5

**\*\*Correct Homework, if any\*\*****Lesson Objective**

Use a model to determine Sun's position in the Milky Way Galaxy.  
Describe four basic types of galaxies.  
Compare galactic clusters to nebulae.

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**Teaching Procedure**

Day 1: Lab, p. D52-53. Show views of the Milky Way at <http://micro.magnet.fsu.edu/primer/java/scienceopticsu/powersof10/>

Day 2: Read p. D54-55. Show images of galaxies and nebulas from class web page, and <http://bioch.szote.u-szeged.hu/astrojan/nebula1.htm>

and <http://www.space.com/milkyway/>

Day 3: Read D56-57. Discuss/answer Review, p. 57.

**Homework Assignment**

WB255.

**Lesson:** Test  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 5

**Student Evaluation**

AG103, 104.