University of Texas at Dallas
Spring 2005
Syllabus – SCI 5V06
Integrated Eighth Grade Science II
Thursday 5:30-8:15
MP 2.208

Instructor: Barbara Curry
Office Hours: Tuesday 3:00 to 6:00 pm
Wednesday 2:00 to 5:00 pm
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The goal of this course is to give you, the middle-school teacher, sufficient knowledge and understanding of basic science concepts integrated at your grade level so that you may feel comfortable teaching in the combined areas of science. All activities and assignments will have relevance, and will be applicable to what you are doing in your own classroom.

Tentative Schedule:

January 13	Introduction, Syllabus, Systems
January 20	Astronomy
January 27	Astronomy
February 3	Astronomy
February 10	No Class
February 17	Life Science (Astronomy Lesson Due)
February 24	Life Science
March 3	Life Science
March 10	Spring Break, No Class
March 17	Life Science
March 24	GLOBE (Life Science Lesson Due)
March 31	NSTA, No Class
April 7	GLOBE
April 14	Earth Science
April 21	Earth Science
April 28	Final Project Presentation (Earth Science Lesson Due)

Requirements and Grading:

Science In The News……15% (Due assigned dates)
Five E Lesson on Astronomy……15% (Due February 17)
Five E Lesson on Life Science……15% (Due March 24)
Five E Lesson on Earth Science……15% (Due April 28)
Weekly questions over previous class content and activities…….20% (Due weekly as assigned)
Final Project Presentation…. ……20% (due April 28)

Assignments:

Science-in-the-News

Presentations made in groups of two about current science news content. You will sign up for a specific date and topic

Weekly Questions

Weekly questions will be given. They will consist of 1 question over the information from the previous class. These will be given out in class and and must be turned in at the following class period..

Five E Lesson

Develop a detailed 5E lesson (to include TEKS addressed, detailed procedures, and sample evaluation tool) for Astronomy, Life Science and Earth Science.

Final Project

In groups of three or four you will work together to create a Mars Base. You will create a 3D model and take into account life needs for the astronauts, the surface geology of the planet and how it can support a structure, travel time and life support for travel, and long term effects of lower gravity. Other details will follow. You will be given class time to collaborate with those in your group.