

Outer Space and Cyber Space

Unit Plan Overview

The Instructional Plan Overview assists teachers in understanding which pieces of the Unit Plan will be used daily. It lists the Assessment tools, Lesson Plans, and Student Web Lessons that the teacher will need for a particular day.

Before beginning this unit, register for SiteMaker from the Beacon Learning Center home page. Although SiteMaker is easy to use, you will need time to become familiar with this tool.

Day 1

Diagnostic Assessment

Outer Space and Cyber Space, Diagnostic Assessment

This assessment is available from the unit's attached files

Day 2

Lesson Plan - Science

Nine Around the Sun

Have you wondered about the planets in our solar system? Using this lesson plan as a guide, students explore and record the characteristics of the nine planets. Students learn about gravitation as it applies to orbits.

Lesson Plan - Math

Not Your Average Planet

Using information about the planets and our solar system, students explore median, mode, mean, and range. Calculators assist students in finding the range and mean.

Lesson Plan – Language Arts

Taking Outer Space to Cyber Space

Students experience the joy of sharing their knowledge of the planets in our solar system by completing an expository writing and then publishing their writing on an Internet Web page. The Beacon Web authoring tool, SiteMaker, will be used.

Day 3 – 4

Lesson Plan - Science

Nine Around the Sun

(Same lesson as previous day)

Lesson Plan - Math

Not Your Average Planet

(Same lesson as previous day)

Student Web Lesson

Jupiter Is Average

Students learn about median, mode, mean, and range in order to solve the question, “Which planet is average?” This is an interactive Web lesson that engages students in active learning.

Day 5 – 7

Lesson Plan - Science

Nine Around the Sun

(Same lesson as previous day)

Lesson Plan - Math

Not Your Average Planet

(Same lesson as previous day)

Lesson Plan – Language Arts

Taking Outer Space to Cyber Space

(Same lesson as previous day)

Student Web Lesson

Jupiter Is Average

(Same lesson as previous day)

Day 8

Summative Assessment #1

Planets in Orbit

This assessment is available from the unit's attached files.

Lesson Plan - Math

Not Your Average Planet

(Same lesson as previous day)

Lesson Plan – Language Arts

Taking Outer Space to Cyber Space

(Same lesson as previous day)

Student Web Lesson

Jupiter Is Average

(Same lesson as previous day)

Day 9

Summative Assessment #2

Our Planets Aren't Average

This assessment is available from the unit's attached files.

Lesson Plan - Math

Not Your Average Planet

(Same lesson as previous day)

Lesson Plan – Language Arts

Taking Outer Space to Cyber Space

(Same lesson as previous day)

Day 10

Summative Assessment #3

Planets in Cyber Space

This assessment is available from the unit's attached files.

Lesson Plan – Language Arts

Taking Outer Space to Cyber Space

(Same lesson as previous day)