

MathStar Research Lesson Plan

Grade Level: 8th

Instructor: Betty Dutchover

Class Time: 8:30-10:10

Location:

Lynn Middle School, Computer Lab, 950
Walnut, Las Cruces, NM 88011

Date: 4/12/02

of Students: 27

Class Type (check one):

XRegular SPED Bilingual/ESL Other

Comments: (*Describe social/ cultural context of school*)

Lynn Middle School is a culturally diverse school with approximately 60% of the student population of Hispanic background and 40% of Anglo descent.

I. Description of Unit: (*1 to 2 sentences*)

The unit is statistics and data gathering and interpretation for every discipline.

A. How does this lesson fit into the unit?

Technology using Excel

▪ **Previously learned concepts** (*What concepts are needed to do this lesson?*)

Data collection
Exposure to Excel
Graphing
Alphabetical grouping

▪ **Concepts to be learned in this lesson**

Using Excel to graphically display statistical information in meaningful contexts
Probability/predicting

▪ **Concepts to be used in future lessons**

Use of Excel as a tool for statistical analysis and presentation across the curriculum

B. Instructional sequence for unit (*Where does this unit fit in the curriculum for the year?*)

Statistics in Math using Excel
Science projects do presentations
Every discipline gathers data for graphing

II. Plan of the research lesson

A. Goals of the research lesson: (*What do you want your students to learn in this research lesson?*)

To use Excel as a tool to analyze data for presentation

B. How does the lesson fit into the overarching lesson study goal?

(Example of overarching lesson study goal: Students will be confident in their ability to learn.)

Students will learn more about each other and will learn a new tool to use for presentations in all classes. Students will gain confidence in their ability to use technology.

C. Steps of the research lesson: (*See attached table*)

D. Things to prepare/materials:

Remind students of the lab rules Set of directions Sample graph
Rubric for assessment Discs to save work

