ELL CONNECT® - Content Area Lesson Plans for English Language Learners

Subject: Pre-Algebra  Grade: 08  Author: Irving, Texas
Unit: Functions and Graphs (from a textbook)  Date: Fall 2008
Approximate Time: 50 Minutes / 10 days

Topic/Theme: Ordered Pairs and Coordinate Planes

Objectives:

Content
Students will locate and name ordered pairs, create and graph points and line on the coordinate plane, and interpret information given in a graph or table.

Language
Students will orally name the ordered pairs for each point, listen for and point out the coordinate points for each ordered pair, and collect and summarized the data from the graphs and tables.

Vocabulary:

Content Specific
Ordered pairs  y-coordinate
Coordinate plane
Quadrant
X-coordinate

Related
Points
Graph
Positive
Negative

Note: Teacher will assess students' prerequisite skills and knowledge by doing K-W chart. Teacher will help students organized and apply strategies to understand and retain new key concepts in Chapter of textbook.

Materials:
Construction paper, graph paper, glue, marker, scissors, personal white boards, practice book, and interactive notebook

Reading/Writing/Discussion Activities:

- Have students read TEKS objectives on the board. Students will write the lesson objective in their interactive notebook. Students will identify the TEKS objective on the board and relate to the lesson objective. Introduce the vocabulary and describe each definition. Have student do a modified Frayer Model for the new terms. (an interactive flip Frayer model)
- Work through each different types of example in the lesson objectives. Demonstrate and plot an ordered pair from each quadrant and explain the difference in location. Teacher will check for understand by having students do examples on personal white boards.
- Students will be in groups of 4 to share scissors and glue to work on hand-on manipulative. Teacher will give instructions and demonstrate the Coordinate Plane foldable. Students will make individual foldable by listening and watching the Teacher. Students will glue the coordinate foldable in their interactive notebook and will be able to refer back for future lessons.
Student will discuss in each group the following questions: What does it mean when a graph speed starts at (0,0)? Discuss how a graph is a positive, negative, or a no trend. Teacher will post groups responses on the board.

Closing Discussion:

Thinking out-of-the-box
Teacher will discuss with students the different types of jobs that rely on data. Students will answer

Review & Assessment:

Vocabulary
Students will have a vocabulary foldable for the related and content terms in their interactive notebook. Students will make modified flip Fryer model for the content terms.

Content
Students will work on the practice sheet 3.1 and 3.2 in their practice workbook in groups. They will use prior knowledge and the new information learned to complete the table from the data and create a graph from the table on graph paper.

Extension / Take-home Activity:

- Students will take home any activities and assignment that were not done in class.