

Lesson Plan for 5th Grade:

From: John Dutra

Objective:

Our outcomes for our 5th grade level include Westward Expansion in Social Science and chart graphing ordered pairs in Mathematics. Developing a lesson around oil in the United States will compliment these two outcomes. The objective of the lesson is the understanding of oil and it's by-products as related to the development of the United States and especially the Westward Expansion.

Anticipatory:

In conjunction with the discovery of gold in the West, and the expansion of population contributed with the railroads, the students will learn the term "black gold." Ask students questions: Why are some Indian artifacts so well preserved? What did the Indians use to waterproof their canoes? We know that both wood and coal were early choices of fuels, why did kerosene become the most widely popular choice of lamp oil in the latter 1800's? What was the by-product of kerosene? Why was this important?

Lesson:

Show the video "Oil, The First 100 Years." Comment/Discuss as related to above questions and Westward expansion.

Guided Practice:

Have the students give a list of all the current products/by-products of oil. Write them on the board. When students have exhausted all of their products, write the extensive list of products which contain oil and/or it's by-products.

Conclusion:

Give a brief review/over-view of how oil was important to America and it's development.

Homework:

Give each student a sheet of graph paper. Have each student plot vertically the numbers 0 to 20 and plot horizontally A to T. They are to plot, in sequence (either vertical, horizontal, or diagonal) 3 locations where oil can be found. Tomorrow, they will play the game, "Find the Oil," with their buddy student (explain the game, played similar to the game Battleship, where each student tries to be first in locating their buddy partner's 3 oil locations, without physically being able to view their partner's map. Each student takes turns calling an ordered pair of coordinates, plotting them, while trying to pin-point the correct locations. The first student to succeed in locating all 3 locations is the winner.).