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2008 Derricks to Desks Seminar
West High School

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Lesson Plan: Vocabulary of the Petroleum Industry

Objective: Students will be able to demonstrate comprehension of relevant vocabulary/terms.

Assessment: Students will complete 2 of the vocabulary exercises to demonstrate comprehension.

Vocabulary/Terms:

oil	gusher	steam flooding
oil well	derrick	production
oil strike	seismic prospecting	cogeneration
reserves	crude oil	extraction

Introduction:

Introduce students to the oil industry by showing the video History of Oil in Kern County.

Ask students to volunteer what they know about the oil industry. Lead discussion with questions such as: Does anyone know anybody who works in the oil industry? What do you know about...? How is oil formed? What did you learn from that video that you didn't already know? What was interesting/surprising?

Bring the discussion to a close with a question about vocabulary or terms used that they didn't know. List those words on the board/SmartBoard/overhead projector. If they don't offer the ones from the list, suggest them. Give students a chance to copy the words.

Direct Instruction:

Provide students with the definitions of the terms. Use PowerPoint presentation, overhead projector, or board to display definitions.

Check for understanding:

Have students turn to a partner and practice paraphrasing definitions of terms as demonstration of comprehension.

Activity:

Model all vocabulary exercises with whichever term seems to be most difficult for students. Explain that they will use one of the activities for each of the terms, but they must choose at least two different activities—not use only one for all the terms.

Whole Class completes one together—pairs/small groups.

Independent Practice—each student completes the activity by himself, turning in at the end of the period/next day.

Vocabulary Exercises:

1. Frayer Model—large box divided into 4 boxes. Upper Left box=define concept; Upper Right box= ways this differs from similar concepts; Lower Left box= examples; Lower Right box=non-examples.
2. Vocabulary Circle—circle divided into four parts. First part=define, second part=other forms of the word; third part=examples; fourth part=non-examples.
3. Graphic representation of term
4. Semantic mapping—term in bubble in center, create a bubble/web of related terms.