



## **TMM Educational Program: Search for Offshore Oil & Natural Gas**

**Overview:** The participant will learn about the exploration for oil and natural gas in the Texas gulf, why it is a non-renewable resource and how it was formed. Students will discuss the use of oil and natural gas in the materials around us, as well as how scientists know where to drill, and the different methods for drilling for oil and natural gas. The student will also discuss non-renewable resources, what that means, and discuss what we will do when that resource is gone.

**Audience:** This program is designed for elementary age students, but may be adapted for other grade levels.

**Theme:** The theme of this program is the search and drilling for oil and Natural gas in the Texas gulf.

**Goal:** The goal of this program is for the participant to learn how scientist explore for oil and natural gas as well as to have students critically think about the role this resource plays in their everyday life, and what they will do when it is no longer available.

**Activities:** Density Activity

### **Vocabulary:**

- Density
- Fracking
- Porous
- Non-renewable resource
- Energy
- Fossil fuel
- Geology
- Submersible platforms
- Semi-submersible platforms
- Depth