

## MOBILE OILFIELD LEARNING UNIT

# MOLU

### **BRINGING SCIENCE & TECHNOLOGY TO LIFE!**

The Mobile Oilfield Learning Unit (MOLU) is a traveling exhibit that teaches students in grades 5-8 about science, technology, engineering & math (STEM) and the many careers available in the energy industry through a series of hands-on, educational activities.

The MOLU has **six mobile units** with a total of **24 educational activities**. Students travel around each station spending a few minutes **learning, filling out accompanying worksheets, and engaging with the hands-on stations** that teach topics like viscosity, drilling, permeability, drilling and much more.

Click [here](#) to read more online!



***"As the energy industry continues to transform itself in a time of widespread technological advances, we need to make sure the next generation of workers have the imagination & skills necessary to thrive in a world of new challenges & opportunities."***

- George Stark, Cabot Director of External Affairs



Cabot Oil & Gas Corporation



Due to its popularity, first in Texas and Louisiana, **Cabot, along with Shell, Schlumberger, Southwestern Energy, and Williams**, funded the creation of a new MOLU that is permanently stationed in the Appalachian Basin to serve schools in **Pennsylvania, Ohio & West Virginia.**

[Click here for PA media coverage](#)

[Click here for WV media coverage](#)

The exhibit is transported via truck/trailer and **can be set up in any gym or common area.** The MOLU can accommodate up to 48 students in a 90-minute session where they rotate through each of the stations. Up to 4 MOLU sessions can be scheduled at a school, reaching almost **200 students in one day.** Every student receives a "MOLU Pass" containing questions that correlate to all of the activities that they complete during the session.

Students are tested to establish baseline knowledge before interacting with the MOLU. After the visit, teachers administer a 'post-test' to see what they learned during the experience. On average, **students scores improve by 50%** from pre to post tests showcasing the teaching abilities of the MOLU.

**36**

APPALACHIAN SCHOOLS  
VISITED

**50%**

IMPROVEMENT IN STUDENT TEST  
SCORES POST-MOLU

**5,500+**

LOCAL STUDENTS  
ENGAGED

Educators and industry representatives interested in scheduling or sponsoring a MOLU visit to a school may contact the

**Oilfield Energy Center**

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