Classroom:Powered an Education Program by Life:Powered

Summary

In our first year of educational outreach, we reached 300 teachers and students with our educational opportunities and shared our educational resources with 15,000 views on our Substack, which is the platform for our lesson plans. All of our projects follow TEKS (Texas Essential Knowledge and Skills) education standards. Our comprehensive plan addresses cross sectional educational needs throughout the state of Texas.

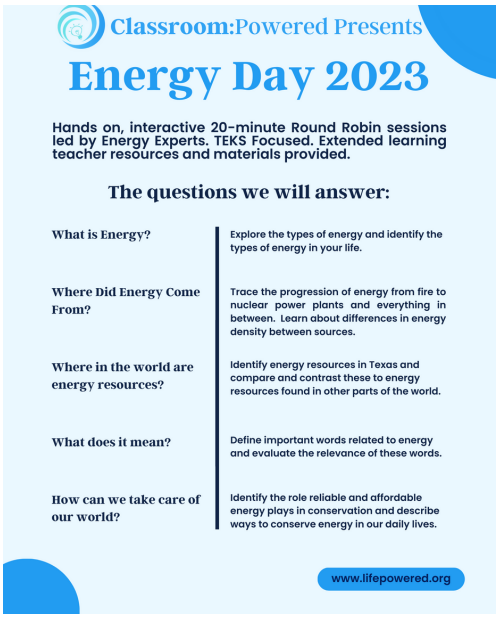
Lesson Plans

Classroom:Powered launched its Substack in October 2022 as a homebase for teachers to find lesson plans, activities, videos, and classroom resources. All resources, including print materials are provided to teachers free of charge.

For lesson plans spanning all grade levels, Classroom:Powered is developing approximately 70 lesson plans to meet Texas TEKS (Texas Essential Knowledge and Skills) standards, which incorporate all areas of core education: science, math, social studies, and language arts. Additionally, we have developed a series of posters highlighting products made from fossil fuels that are used in daily life. These are:

Classroom:Powered
Home:Powered
Chemistry:Powered
Jobs:Powered
Hospital:Powered

Poster excerpt here:



Energy Day

Energy Day incorporates fourth grade science, math, social studies, and language arts TEKS into five round robin sessions using manupulatives and interactive activities to tell students the story of energy in Texas. The sessions can be adapted for multiple grade levels and are led by industry professionals to develop a positive community presence in the schools. This program was piloted in spring 2023, and we are currently scheduling events to correspond with Energy Education month in October.

Classroom:Powered

Summer STEM Energy Institute

Twenty teachers will participate in a three-day deep dive into energy production in Texas. The institute will be held in Midland, Texas in July 2023. In addition to seminars led by energy experts and education professionals, participants will visit energy facilities, learning the process of energy production from start to finish. Through these experiences, teachers will gain valuable insight of the abundant, reliable energy resources in Texas to take back to the classroom.

This opportunity will provide teachers with 24 hours of continuing education credit over a three-day period. Through real-world and hands-on opportunities, they will engage in the story of energy that is woven throughout life and will be TEKS (Texas Essential Knowledge and Skills) driven.

Itinerary for Summer STEM Energy Institute

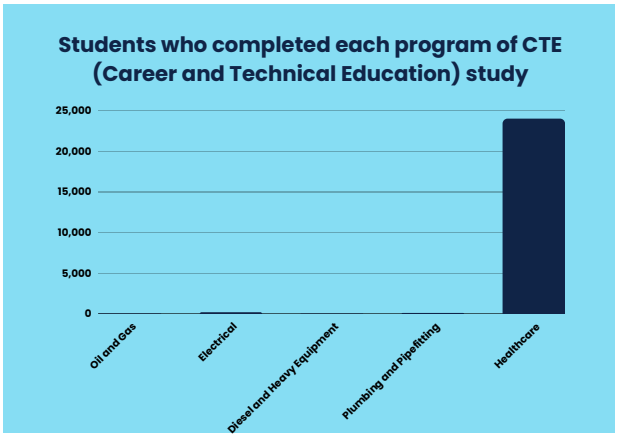
AM schedule:
tours of oil rigs and midstream facilities

PM schedule:
professional learning sessions led by industry professionals and lesson plan development

Additional Programs

Through outreach to college campuses, we facilitated seminars through campus groups during the 2022-23 school year and are promoting additional events for the 2023-34 school year.

We have worked with the TEA (Texas Education Agency) and the SBOE (State Board of Education) in the development and implementation of state science standards for K-12 education. Recently, we have applied to participate in the instructional material selection process for science courses and the Career and Technical Education (CTE) Energy Cluster for Oil and Gas Production in order to ensure the development of a qualified workforce. This is particularly important as oil and gas CTE programs and other programs which feed into the energy sector are among the lowest completed programs across the state.



Much of the work we develop is based on ideas presented by education professionals, members of the workforce, and even students. We strive to develop meaningful, engaging educational activities that promote the benefits of reliable, affordable energy.