





BUREAU OF
ECONOMIC GEOLOGY







Why did I become a geologist ?

Curiosity...

- How do mountains and basins form ?
- Why do we have different landforms and rocks ?
- What are the processes that make rocks ?

Cool...being a geologist seemed like it would be a great combination of science and adventure

Color-blind...I could not be a commercial pilot !



EXIT























Shaping the future of energy

Earth Science Career Day
October 19, 2018





A woman in a purple shirt and red pants stands on stage, gesturing with her hands as she speaks to an audience of students seated in rows of chairs. She is positioned in front of a large projection screen displaying a slide titled "Key figures" which features a large ship at sea and various company statistics.

A woman in a purple shirt sits at a table with another person, likely a panelist or moderator, during the event.











Science and YOU!

















R. Library 1100
Commerce Cafeteria

Business 1100
Tower 1100





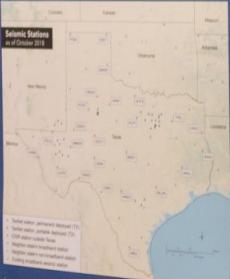






TexNet CISR

MONITORING AND RESEARCHING
EARTHQUAKE ACTIVITY IN TEXAS



Latest data can be viewed at
beg.utexas.edu/texnet-csr



Funded by the State of Texas, the TexNet Seismic Monitoring Program operates and maintains TexNet's statewide network of earthquake monitoring stations, processing and interpreting vital seismic data. Center for Integrated Seismicity Research, or CISR, scientists research the geologic and seismic data obtained by TexNet. TexNet and CISR work together toward determining the causes of earthquakes in Texas to lessen any future impact from these events to citizens and property.

RESEARCH GOALS AND THEMES

- Earthquake detection and cataloging
- Earthquake data dissemination
- Improvement of causative understanding
- Clarification of risk and hazard
- Development of mitigation strategies
- Improvement of practices
- Broad fact-based communication



You leave:
sticks from
+ put in plastic



you leave:
use sticks from
land + put in plastic
bag.
Thanks! ☺

HACKING THE PLANET



















EXIT



Big Tex Auditorium
1.102



Earth is calling...
Will you answer?

► www.BeAGeo.com













The epidermis recap: the melanocare
cell of color



EAS



GROUND WATER	SURFACE WATER	HYDROLOGIC GEOGRAPHY	HYDROLOGIC CYCLE/ WATER USE	GENERAL HYDROLOGY
WATER IN THE GROUND IS CALLED GROUND WATER	WATER IN STREAMS, LAKES, OR OCEANS	1 CUP	1 CUP	THIS SOLID IS CALLED A WATER FILTER
2 CUPS	OVERFLOW INTO THE STREAM	2 CUPS	2 CUPS	2 CUPS
3 CUPS	SWIMMING POOL INTO THE WATER CYCLE	3 CUPS	3 CUPS	3 CUPS
4 CUPS	4 CUPS	4 CUPS	4 CUPS	4 CUPS
5 CUPS	5 CUPS	5 CUPS	5 CUPS	5 CUPS



What is a Me

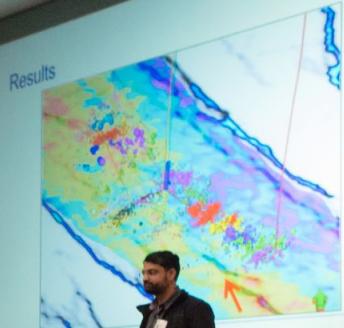
- A Person.. With Scienc
- Studies the Atmospher
- Forecasts How the Atm
- Change over Time
- Weather Forecasting
- Science!!!





TOWER
1.102



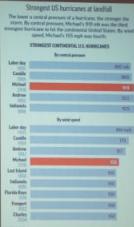


A man in a dark jacket and jeans stands on a stage, facing an audience seated in rows of white chairs. He is positioned next to a large projection screen displaying a geological cross-section.



EXIT





EXIT





Geophysics

For example:

- Sound waves used to map the seafloor



Schlumberger























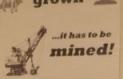
SUPPLY - PLEASE WASH

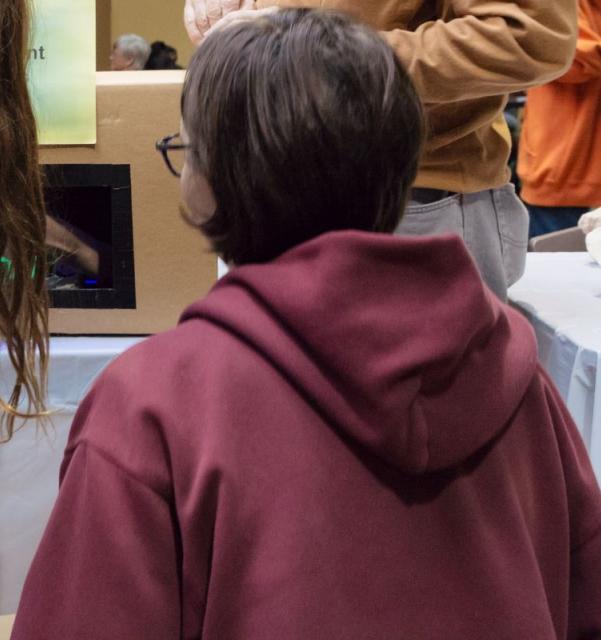












THE UNIVERSITY OF
JACKSON
SCHOOL OF GEOSCIENCE







TECH

scholarships@utexas.edu

Academics, Government and Industry

REACHING FOR THE STARS

Scholarships
Fellowships
NASA Internships

Education Experiments

and More

RACE

Science Experiment

Petroleum Geologist?



What is a geologist?

A scientist that studies some aspect of the earth



What is a petroleum geologist?

A scientist that studies oil and gas bearing rock formations to search for and discover new oil and gas deposits











EXIT

www.STORECO2Now.com





GROUND WATER	SURFACE WATER	HYDROLOGIC GEOGRAPHY	HYDROLOGIC CYCLE/ WATER USE	GENERAL HYDROLOGY
WATER IN THE EARTH CALLED THIS	WATER IN POOLS, LAKES, OR RIVERS	1 CUP	1 CUP	1 CUP
SOIL OR ROCK CONTAINING THICK QUANTITIES OF WATER	2 CUPS	THE SPRING-FED SWIMMING POOL IN ZILKER PARK	2 CUPS	
A HOLE DRILLED IN THE GROUND TO BRING WATER TO THE SURFACE	3 CUPS	3 CUPS	3 CUPS	
	4 CUPS	4 CUPS	4 CUPS	
	5 CUPS	5 CUPS	5 CUPS	



new opportunities



Energy system
transitioning



Liquids resource
replacement challenge

Market
...

7.1 Concrete presentation













Tools Used by
Geologists



Austin Community
Austin Community College



THE UNIVERSITY OF TEXAS AT
JACKSON
SCHOOL OF GEOSCIENCES



Theropod footprint



Smilodon sabretooth







Big Tex Auditorium
1,100

Celebrate Earth
19th Annual Austin
Earth Science Week
Career Day
We thank our sponsors
for their generous
contributions



Earth
Science
Week