



Professor Doug Schmitt works in the field of applied **geophysics** where he focuses on understanding the physical properties of **earth** materials. Dr. Schmitt's work is conducted both in the **laboratory** and in the **field**.

1. IPGANMP _____
2. UIEFRQAS _____
3. YICPOSGSEH _____
4. EATRH _____
5. NLRGIDIL _____
6. TRSIENSTMUN _____
7. BRUUSCEASF _____
8. ARORBATOYL _____
9. ONLOTPAXIRE _____
10. EIFLD _____

Find more careers:

<https://www.purdue.edu/science/K12/stemcareers.html>



An applied geophysicist uses principles of physics and geology to study the Earth's structure and subsurface properties for practical applications.

Some job responsibilities include:

- Conducting scientific **drilling** into the earth.
- Interpreting geophysical data to identify **subsurface** structures, such as oil and gas reservoirs, **aquifers**, mineral deposits, or fault lines.
- Monitoring what is happening deep in the earth to keep humans safe during routine processes.
- Designing survey methods and techniques tailored to project objectives, such as resource **exploration**, environmental assessments, or construction feasibility studies.
- Mapping** subsurface features to assist in resource extraction, like identifying drilling sites for oil, gas, or geothermal energy.
- Developing new and improved geophysical **instruments** and techniques.