Where Can a Geology/Geophysics Degree Take You?

Presenter
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8th Grade Physical Science Teacher
Riverview Middle School
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My Ticket Around the World

- Winnemucca, Nevada
- Los Angeles Basin, California
- Roxby Downs, Australia
- Potgeitersrus, South Africa
- Mount Diablo Unified School District, California
Only a Ticket of Entry

- Mining Industry
- Environmental and Geotechnical Industry
- Research and Software Development
- K-12 Public Education
Learning On The Job

• Content Specifics-What is your task?
• Social Behavior-How do I act?
• People Skills-How can I communicate?
What I’ve Learned About K-12 Public Education

• I am at one of the struggling schools
  – More student behavioral issues
  – Less resources
  – Less parental support
How to Prepare for K-12 Public Education Service

- A rounded undergraduate degree
  - Mathematics
  - English
  - Science (Biology, Astronomy, Chemistry, Physics, Geology)

- Teacher training program emphasizing classroom management

- Substitute teaching
Student Population at Riverview Middle

- 90 Percent Receive Free or Reduced Cost Lunch
- 20 Percent are English Language Learners
- Ethnically Diverse
Work Environment at Riverview Middle

- Demanding Principals and Vice-Principals
- Staff of all ages as co-workers
- Depressed neighborhood
- Low parent participation

TIP
You will have to adjust to the culture of the school or its neighborhood.
8th Grade Physical Science Curriculum Content Topics

- Astronomy
- Motion and Forces
- Buoyancy and Pressure
- Matter and the Periodic Table
- Chemical Reactions
- Carbon Based Chemistry

TIP
Keep all your college textbooks!
Resources for a Career in Education

- California Department of Education
  - http://www.cde.ca.gov/be/st/ss/
- Teacher Credential Programs
  - http://www.projectpipeline.org/
  - http://www.phoenix.edu/
- Other Teacher Resources
  - http://scorescience.humboldt.k12.ca.us/
  - http://www.pbs.org/teachers/scientech/