SHOULD WE STAY OR SHOULD WE GO?

CTE Careers and Pathways
DID YOU ENJOY MONITORING VOLCANIC ACTIVITY?
Volcano Career Opportunities

Geologist
Volcanologist
Geophysicist
Seismologist
What is geology?

Geology is the study of the Earth, the materials of which it is made, the structure of those materials, and the processes acting upon them.
What does a **Geologist** do?

Geologists work to understand the history of our planet. The better they can understand Earth’s history, the better they can foresee how events and processes of the past might influence the future.
WHAT DOES A VOLCANOLOGIST DO?

Volcanologists are a special type of geologist – they study VOLCANOES!
What does a **Geophysicist** do?

Geophysicists are another type of geologist. They learn about physical processes and properties of the Earth. They use a variety of methods and tools to get a picture of what lies beneath the Earth’s surface.
WHAT DOES A SEISMOLOGIST DO?

Seismologists are geologists who study earthquakes and their effects.
These pathways and courses can help:

Science Natural Resources Pathway

- Introduction to STEM Careers
- Field Investigations
- Biology Natural Resources
- Biotechnology
- Viticulture, Urban Farming – Soil Chemistry
- AP Environmental Sciences

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Science Natural Resources Careers

Environmental Planner: $52,210 - $127,690
Environmental Protection Technician: $41,710 – $101,640
Soil and Water Conservationist: $45,590 – $88,060
Biochemical Engineer: $56,910 - $154,800
Bioinformatics Scientists: $45,030 - $126,390
Bioinformatics Technician: $31,470 - $72,860
Forester: $52,540 - $90,940
Horticulture Manager: $57,160 - $127,850
Landscape Architect: $41,960 - $103,890
These pathways and courses can help:

Skilled and Technical Sciences

- Introduction to Design Technology
- Manufacturing Discoveries
- STEM I: Introduction to Engineering
- STEM II: Engineering and New Technologies
- STEM III: Advanced Applied Engineering
- Robotics
Skilled and Technical Sciences Careers

- **Mechanical Engineer:** $58,310 - $144,060
- **Sheet Metal Worker:** $33,810 - $109,990
- **Structural Metal Fabricator:** $29,670 - $62,790
- **Mechatronics Engineer:** $56,910 - $154,800
- **Manufacturing Engineer:** $56,910 - $154,800
- **Robotic Engineer:** $60,480 - $160,420
DID YOU ENJOY CREATING A PUBLIC SERVICE ANNOUNCEMENT?
BUSINESS AND MARKETING CAREER OPPORTUNITIES

JOURNALISM PRODUCER VIDEO AND AUDIO TECHNICIAN ASL INTERPRETER
What does a **Journalist** do?

The key objective of a Journalist is to gather information, write news pieces, and present the news in an honest and balanced manner.
What does a *producer* do?

* Determine which scripts or ideas to produce
* Write or edit scripts, music, news stories
* Oversee all aspects of production
* Hire directors and crew
* Ensure the program stays on schedule and all deadlines are met
What does a Video and Audio Technician do?

Responsible for setting up, installing, operating, testing, and troubleshooting audio and video equipment.
WHAT DOES AN **ASL** INTERPRETER DO?

EFFECTIVELY FACILITATE COMMUNICATION BETWEEN DEAF INDIVIDUALS AND THOSE THAT ARE HEARING.
These pathways and courses can help:

- Business and Marketing Publication
- Arts and Administration Pathways
- Microsoft Office Specialist
- Microsoft Office I, II, III
- Business and Marketing I, II, III
- Broadcast Journalism I, II, III
- Web Design I, II
- Yearbook
Business and Marketing Careers

Marketing Managers: $83,640 - $208,000
Marketing Specialist: $38,920 - $145,100
Internet Marketing Consultant: $46,110 - $144,230
Web Administrators: $46,110 - $144,230
Web Developer: $49,760 - $149,780
Public Relation Specialist: $39,530 - $110,670
Technical Writer: $56,020 - $124,500
Multi-Media Artist & Animator: $54,050 - $133,510
These pathways and courses can help:

**Skilled and Technical Sciences**

Video Productions I, II, III

Digital Photography I, II
Skilled and Technical Sciences Careers

Producer: $36,630 - $103,890
Audio Video Equipment Technician: $29,440 - $75,520
Graphic Designer: $34,630 - $90,400
Computer Engineer: $77,990 - $197,290
Network Support: $48,030 - $130,920
These pathways and courses can help:

Human Services Pathway

ASL I, II, III, IV
Human Services Careers

Interpreter/Translator: $27,860 - $69,330
School Teacher: $47,770 - $87,770
Corporate Trainer: $49,620 - $118,130
Instructional Coordinators: $44,880 - $103,180
Chefs and Head Cooks: $33,100 - $82,420
Private Chef: $25,610 - $62,600
Food Service Manager: $47,130 - $116,300
DID YOU ENJOY THE VIRTUAL REALITY EXPERIENCE?
Jobs in the Augmented and Virtual Reality Fields

Content Producer
Software Engineer
AR and VR Content Writers
Product Management
Quality Assurance
UI and UX design
These pathways and courses can help:

- Business and Marketing Administration Pathway
- Computer Science Discoveries
- Web Design I, II
- AP Computer Science Principles
- AP Computer Science A
- Microsoft Technology Associate
Business and Marketing Administration Careers

Software App Developer: $80,840 - $189,560
Training and Development Specialist: $44,640 - $114,290
Video Game Developer: $46,110 - $144,230
Computer Systems Architect: $46,110 - $144,230
Information Security Analyst: $64,810 - $156,540
Computer Network Administrator: $55,270 - $138,700
Resources

- Geology.com
- Betterteam.com journalist job description
- 12 of the most influential journalists today
- Careerexplorer.com Producer
- Allartschools.com Producers
- Americasjobexchange.com Audio and Video Technician
- Nationaldeafcenter.org ASL Interpreter
- Your Guide to Starting a Career in Virtual Reality