

# STEM Career Highlights

*YOUR Career in STEM...Starts Right Now*



## Andrea Donnellan

Geophysicist

Imagine being a detective for the Earth, uncovering secrets that are hidden right beneath our feet! Dr. Andrea Donnellan is a geophysicist who does exactly that, but with a twist: she studies everything about earthquakes except the actual shaking. Using tools like satellites and sensors on airplanes, she tracks “invisible” movements that are so tiny they are measured in millimeters, [about the thickness of a paperclip], over an entire year. Whether she’s measuring the slow crawl of ice sheets in Antarctica or the silent shifting of the ground, Andrea’s work helps us understand the “before and after” of how our planet moves. By mastering these small details, she’s helping to solve the big mystery of how earthquakes work, ultimately making the world a safer place for everyone. If you love technology and want to protect communities while exploring the edges of the map, geophysics might be your future career!

**Q: What are your hobbies?**

Photography, hiking, skiing

**Q: Where did you grow up?**

Chicago area

**Q: What do you like the most about being a Geomorphologist?**

Watching the ground move. The variety of in-field and computer work. The people.

1. ESKTAEHQURUA \_\_\_\_\_
2. DNOGUR \_\_\_\_\_
3. RETHA \_\_\_\_\_
4. MVTOMNEE \_\_\_\_\_
5. MREITEILLM \_\_\_\_\_
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7. YIIGPHESTOSC \_\_\_\_\_
8. AGKSINH \_\_\_\_\_
9. AILTETSLSE \_\_\_\_\_