

WHATIS GEODESY?

Simply put, **Geodesy** is the science of measuring Earth. Geodesists and other scientists can learn a lot by studying our planet's size, shape, orientation, and gravity.

DON'T WE ALREADY KNOW EARTH'S SHAPE AND SIZE?

Actually, our planet is constantly changing, even though we may not feel it. Earth is made up of many moving parts, and studying how everything moves in relation to each other is important for understanding processes that affect us all.

IF WE CAN'T FEEL IT, HOW DO WE KNOW THE EARTH IS CHANGING?

Scientists can use geodetic tools, such as satellites, GPS, laser scanners, and even drones to see small changes that have big impacts over time.



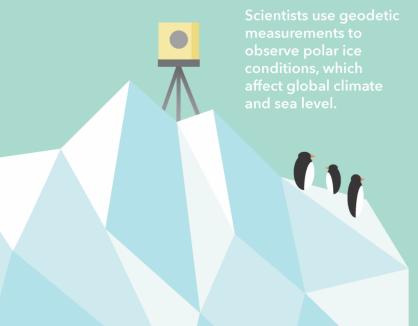
IS GEODESY A NEW THING?

Geodesy dates back to at least ancient Greece, when Eratosthenes used measurements of shadows to calculate the circumference of Earth.



HOW DOES GEODESY WORK?

Geodesy is all about **precision**. If scientists know









WHAT CAN WE DO WITH GEODESY?







