THE MOST AMAZING THINGS ON EARTH LEAVE EARTH. LOOK UP.

Fasten Your Seatbelt!

If you are someone who has trouble sitting still, you may be surprised to learn that, even when you aren't moving at all, you're hurtling through the universe at astronomical speeds. Use the following facts and your math skills to learn just how fast you really are going.

Earth's equatorial diameter = 12,756 km	
Earth's average distance from the Sun = 149,597,870 km	
1 solar year = 365.25 days	
1 day = 24 hours	
Your current latitude: degrees North (or South)*	
Earth's equatorial circumference = km	
Rotational speed at the equator =kpl	า
Earth's circumference at your latitude = km	
Rotational speed at your latitude =	kph
Circumference of Earth's orbit** = km	
What portion of the circumference does Earth travel each day?**	degrees/day
How far does Earth travel each day?	
How fast is Earth revolving around the Sun?	kph
How fast are you traveling through the solar system right now?	kph
THINK ABOUT IT This does not include the speed at which the solar systems. Do some research to figure it out, then add that to the speed yo system. How fast are you REALLY going while you're sitting still?	

*To find your latitude, use a GPS device or a website such as https://www.maps.ie/coordinates.html. **Assume Earth's orbit around the Sun is a perfect circle. (It isn't, but we're keeping the math simple.)

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