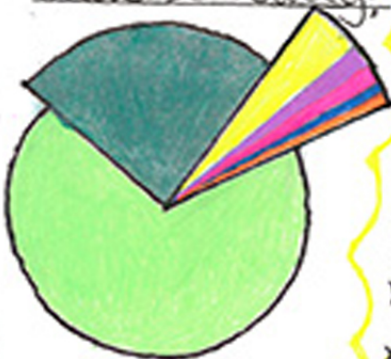


MATHS AND SPACE!

Universe Today:



- 75% hydrogen
- 23% helium
- 1% oxygen
- 0.4% Carbon
- 0.4% neon
- 0.1% iron
- 0.1% nitrogen.

Average Surface temperatures

- * Moon = -53°C
- * Earth = 15°C
- * Mercury = 167°C
- * Venus = 464°C
- * Mars = -63°C
- * Jupiter = -121°C
- * Neptune = -201°C
- * Saturn = -180°C
- * Uranus = -193°C
- * Sun = $5,500^{\circ}\text{C}$ and the core = $15\text{ million}^{\circ}\text{C}$.

Earth is a solid however the sun is a ball of gas and turns at different speeds in different places. The equator takes 25 earth days to rotate once, but the polar regions take 34 days.

24 hours



Earth

34 days



Sun



An astronaut called Robert L. Stuart said, "It should be evident that each step in my career has rested on a firm foundation in mathematics. For me the study of mathematics was the key that opened the doors to the universe."

Astronauts use maths in order to make precise mathematical calculations from how the spacecraft leaves Earth's atmosphere to how the astronauts pilot the craft.

diameter - 159 miles
(4,174 km).

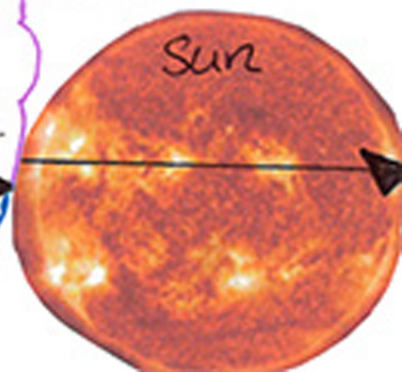


40,075,070m (40,075.07km)
around Earth.



252,088 miles
(405,696 km).

Diameter -
139,368,400 km
(86,537,400 miles).



150 million km (93 million miles).