

What have I previously learned?

I know where the Equator, Tropic of Cancer and Tropic of Capricorn are on a world map.

I know there are distinct biomes and "tropics" and know what the specific features of a biome are.

Sticky Knowledge

The ISS has been operational since 2000. It has been continuously occupied since then. Groups of astronauts stay for about six months conducting scientific research and the swap over with another group of astronauts.

The ISS orbits the Earth at an altitude (height) of between 330km and 410km.

It orbits at 17,500 miles per hour- it takes about 90 minutes to make an orbit.

45 minutes of the orbit will be in daylight and 45 minutes will be at night.

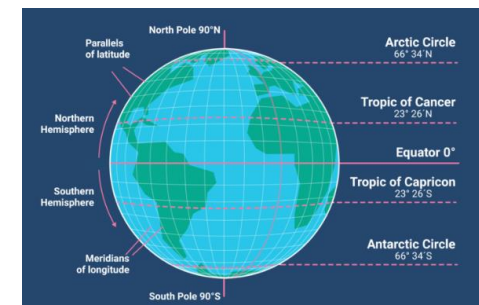
It makes 15.7 orbits every day.

The world map that is familiar to most of us is the Mercator projection, but it is full of distortions so some countries appear larger or smaller than they actually are.

Vocabulary - Goldilocks words

Word	Definition
International Space Station	An artificial satellite that orbits our planet. It has astronauts aboard and carries out scientific investigations and studies.
hemisphere	A hemisphere is formed by dividing the earth into the Northern and Southern Hemispheres at the equator.
time zones	Time zones give specific areas on the Earth a time of day that is earlier or later than the neighbouring time zones.
tropics	The tropics are regions that lie roughly in the middle of the surface of the Earth between the Tropics of Cancer and Capricorn.
polar regions	The areas of Earth above the Arctic Circle and below the Antarctic Circle.
temperate regions	The regions of the Earth between the tropics and the polar regions.

Prompts to help me in my learning.



Useful links

meteorwatch.org -

[Current position of the ISS \(astroviewernet\)](#)

[ORBIT - Journey Around Earth in Real Time // 4K Remastered - YouTube](#)

[How they Eat, Drink and survive in Space : Sunita Williams in The International Space Station - YouTube](#)