

Year 5 Summer 1 Topic

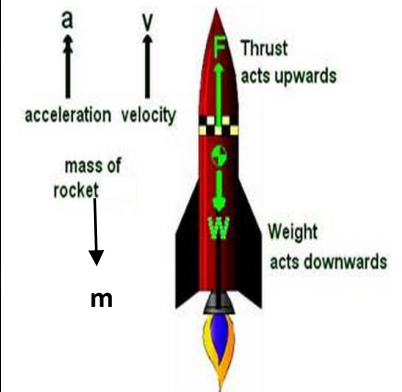
We will use the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.

Is there life out there?

IN A GALAXY FAR FAR AWAY...

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Forces Acting on a Rocket in Flight



What are meridian lines?
Who would use them?



Key vocabulary:

Astronaut	Russian
Orbit	American
Velocity	Launch
Thrust	Lunar
Planet	Meteorite

Who were the crew of Apollo 13?

Can you make up your own mnemonic ?

Mercury Venus Earth Mars Jupiter Saturn Uranus Neptune Pluto
(order of planets in our solar system)

My **V**ery **E**xcellent **M**other **J**ust **S**erved **U**s **N**ine **P**izzas
(mnemonic for the order of the nine planets)

1946- The first (US designed) rocket that reached the edge of space. 1957- (USSR) First dog, named Laika, sent to the orbit.

1961- (USSR) First manned flight carrying Yuri Gagarin. 1963- First Russian woman in space, Valentina Tereshkova.

1969- First human on the Moon and first space launch from a celestial body (by NASA) - Commander Neil Armstrong and Pilot Buzz Aldrin. 2010-*The U.S. National Space Policy had set out goals for space exploration; to send humans to an asteroid by 2025 and to the planet Mars in the 2030s.*

Many of the astronauts that will be involved in these exciting missions are only children right now! IT COULD BE YOU!