



Space Technology



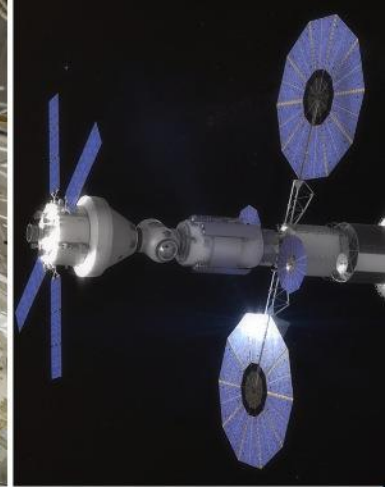


Pioneering Space - Goals

“Fifty years after the creation of NASA, our goal is no longer just a destination to reach. Our goal is the capacity for people to work and learn and operate and live safely beyond the Earth for extended periods of time, ultimately in ways that are more sustainable and even indefinite. And in fulfilling this task, we will not only extend humanity’s reach in space.”

- President Obama, April 2010



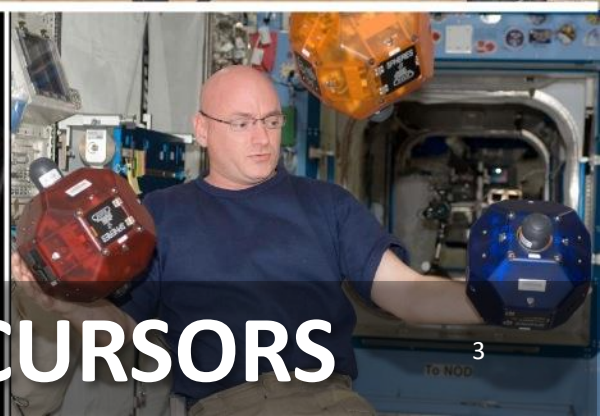


DEEP SPACE habitation

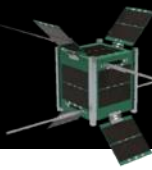


VEHICLE Systems

CREW mobility



robotic PRECURSORS

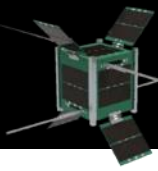


Satellites



A satellite is a machine that is launched into space and moves around Earth or another body in space. Satellites orbit Earth to take pictures of the planet that help meteorologists predict weather and track hurricanes. Some take pictures of other planets, the sun, black holes, dark matter or faraway galaxies. These pictures help scientists better understand the solar system and universe.



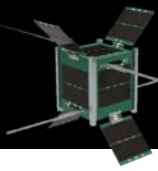


Telescopes



A telescope is a device used by scientists to see objects or stars that are far away. They make these objects look closer and more detailed.



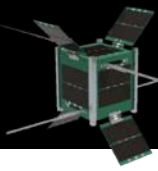


Space Shuttle



A space shuttle can travel to space and come back again. The space shuttle does many things; It could carry up to seven astronauts at a time and It could take satellites to space so they could orbit Earth.

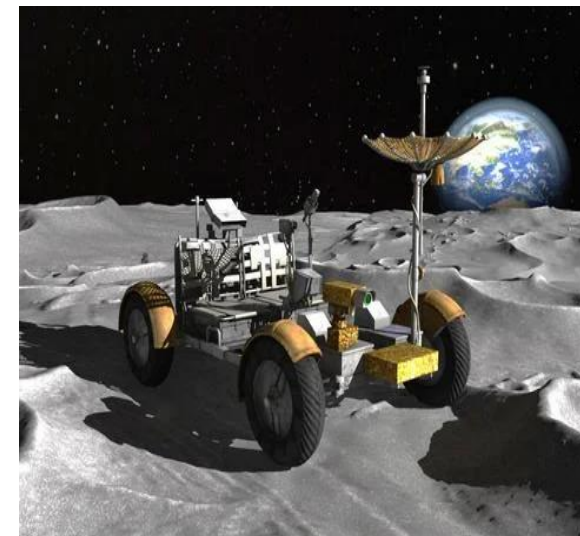




Rover

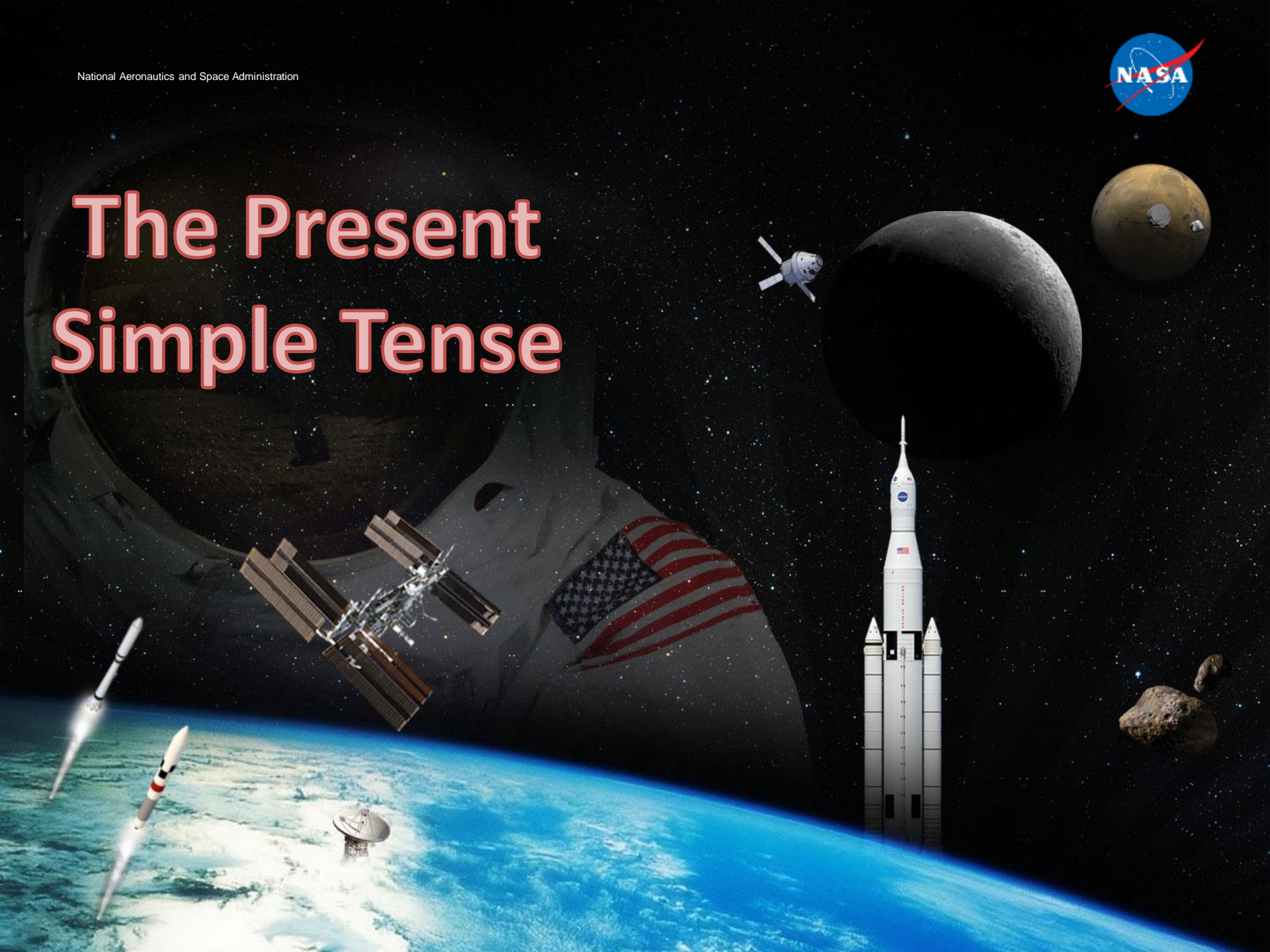


A rover is a small, mobile robot that scientists send to moons and planets. It is used for exploring the surface of a planet or moon.





The Present Simple Tense



• What is the Present Simple Tense?



- ✓ The Present Simple Tense is the tense that is used to refer to events, actions, and conditions that are happening all the time, or exist now.
- ✓ In other words, we use the Present Simple Tense to talk about states, routines and habits.

• Examples:



- ✓ He **goes** to school every morning.
- ✓ We **understand** English.
- ✓ Kids on the beach **mix** sand and water.
- ✓ He **tries** very hard to pass the test.
- ✓ She **enjoys** playing the piano.

• How to form the Present Simple Tense?



✓ RULE 1:

Subject + **verb + s** + object

✓ We use the present simple in this form when we have a singular subject.

e.g. Amy **likes** to draw.

He

She

It

+ verb + **s** + object

• How to form the Present Simple Tense?



✓ RULE 2:

Subject + **verb** + object

✓ We use the present simple in this form when we have a plural subject.

e.g. We **enjoy** playing tennis.

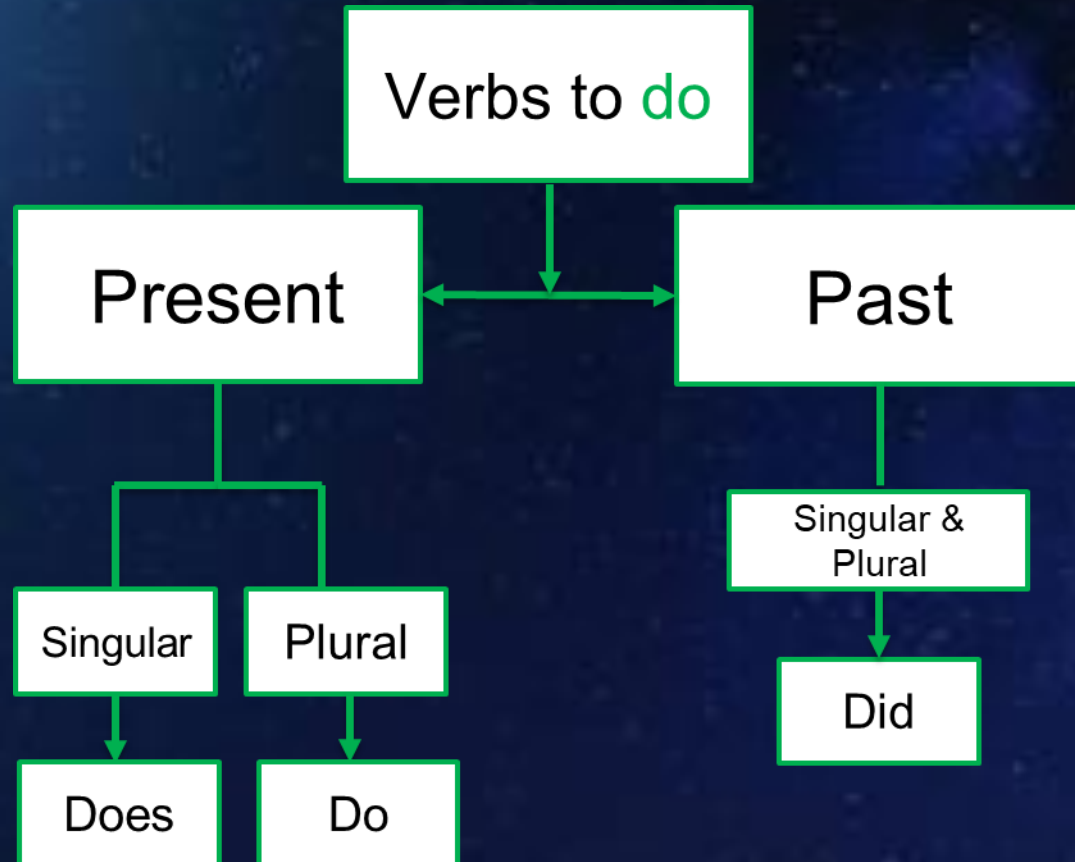
We
They
You
I

+ verb + object

• The negative form of the Present Simple Tense



In order to form the negative form of the Present Simple Tense, we need to remember the **verbs to do** family:



• The negative form of the Present Simple Tense

✓ We use the **verbs to do** family in forming the negative of the Present Simple:

e.g. Hind **doesn't** eat Sushi

My friends **don't** like sports.

✓ Rule:

Subject + **do/does** + **not** + verb + object

• Forming questions in the Present Simple Tense



- ✓ For questions, we need to use the **verbs to do** again.
- ✓ Let's take a look at this example and try to find out the formation:
Do you know how to bake a pie?
- ✓ We switch the subject and verb to do and we end the question with a question mark (?)
- ✓ Rule:
Do/does + subject + verb + ?