

Spacecraft is how we went to the Moon and will soon be how we get to Mars. None of this would have ever have happened without spacecraft, that is why we must know how it works. Most of the rocket's metal is made out of aluminum with strong thermal protection to keep it from lighting on fire. When the rocket is in space many of the few boosters will fall off the rocket to make it less heavier and faster. The inside of a rocket is comprised mostly of fuel because they need a lot fuel to get all the way to the moon, which will usually take four days. The most crucial part is where the people sit. They go at the front where they can see where they are going and it is safer there.

Going to the moon is a challenge. For this process, First hundreds of people have to build and test the rocket to see if it is functional. Then they have to find the perfect time where the moon will be positioned at the right location, and at a specific time. After that, a myriad of people go into a control room where they all have a job to make sure every part of the ship is safe. When the astronauts are near the moon they have to carefully go down the Moon in a small little vessel. Then they have to do the same process again to get back to earth safely. When they do get back to earth they cannot be in contact with anyone for about a week just in case there is any contamination from being on the Moon.

Many people wonder when we are going to go to Mars. Scientists say that it might take ten to thirty years from now. If we did go to Mars it would take about a year for the astronauts to get there, It would take a lot of scientists to figure out when would be the perfect time to go. Since it takes about a year to get to Mars, many astronauts have been going up to space for long durations to see if it is possible. The engineers will also have to make a rocket with enough fuel to last a long time. One of the reasons why scientists want to go to Mars is because they believe

that it used to be like earth with water and plants, so they think it will answer a lot of questions that we have. Hopefully one day we will arrive at Mars.