

Name _____ Date _____

Description of Investigation and Student Report
Be an Investigator

Student to Be Chosen to Go to Space Camp

Our newspaper will be choosing a student to send to U.S. Space Camp in Huntsville, Alabama. The chosen student will join students and their families from all over the United States who have gone there to learn about space and the space programs.

We want to choose a student who knows a lot about space and numbers. To apply, fill in the table and tell why you want to go to Space Camp.

Name _____ Date _____

Be an Investigator
Student Report

I have completed the table of facts about space.

Kind of Number Needed in the Fact about Space	Fact Underline the number asked for in the fact.
The only place in the number is the ones place.	
The greatest place in the number is the tens place.	
The greatest place in the number is the hundreds place.	
The greatest place in the number is the thousands place.	
The greatest place in the number is the ten thousands place.	
The greatest place in the number is the hundred thousands place.	

This is why I want to go to Space Camp.

Name _____ Date _____

Data Sheet**Information****Information about Astronauts**

- To apply to be an astronaut a pilot must have completed 1,000 hours of flying time in a jet aircraft.
- Putting on a spacesuit takes 45 minutes.
- A spacesuit weighs approximately 280 pounds on Earth, without an astronaut in it.
- Each astronaut is allotted almost 4 pounds of food per day (including the 1 pound of packaging).
- The astronauts see 1 sunrise and 1 sunset each orbit. There are 16 sunrises/sunsets every 24 hours.

Information about the Apollo Missions

- 6 Apollo missions have landed on the moon: Apollo 11, 12, 14, 15, 16, and 17.
- As of December 2002, a total of 112 missions have been flown since the first flight in April 1981.

Information about the Space Shuttle

- It takes about 6 hours for a Space Shuttle, aboard a crawler-transport, to make the trip from the Vehicle Assembly Building to the launch pad preceding a mission.
- The Space Shuttle makes a complete orbit around the Earth approximately every 90 minutes.
- The Space Shuttle does 0 to 17,000 mph in less than 9 minutes.
- The Space Shuttle travels about 17,600 miles per hour when orbiting the Earth.
- The speed of gas exiting the Solid Rocket Booster motor of the Space Shuttle is 6,000 mph.
- Skylab was longer than a 12-story building and contained almost 12,000 cubic feet of living space.

Information about Space

- There are altogether 88 official constellations.
- Ganymede, Jupiter's moon and the largest in our solar system, has a diameter of 5,262 km.
- The Earth's average velocity orbiting the sun is 10,220 km per hour.
- The Moon is roughly 380,000 km away from Earth.
- Io, one of Jupiter's moons, is 422,000 km from Jupiter.