

JOURNEY TO MARS: EXPLORERS WANTED

Would you like to be one of the first people on Mars? NASA plans to send humans to Mars in your lifetime! Mars is Earth's neighbor and is habitable—with limits. First of all, the temperature on Mars fluctuates between -195°F at its coldest to about 70°F at its warmest. The air contains only trace amounts of oxygen. The soil is toxic, and the planet is very dusty—so dusty and windy, in fact, that giant dust storms can block out the sun for months! Although water has not been discovered on the surface of Mars, scientists are pretty sure frozen water exists below the surface, perhaps very far below.

One thing is for sure—life on Mars would be a challenging adventure! If you get a chance to visit during the *Summer of Mars* at Kennedy Space Center Visitor Complex this summer, you could become one of the Future Space Explorers destined to explore and discover this fascinating planet.

What are some of the problems humans have to solve before we can live on Mars?

Now, listen carefully to your teacher's presentation and to the instructions for your group project to design a Mars habitat that should include the following:

- A place to live
- Two ways to collect energy
- A place where you collect water
- A place where you grow food

On the back of this sheet, give your Mars habitat a name and write about how you would power it, how you would collect water, and how you would grow food.



Explore more! Visit KennedySpaceCenter.com/SummerOfMars to learn more about the *Summer of Mars* and enter to win a family trip to Kennedy Space Center Visitor Complex to experience the new Astronaut Training Experience and Mars Base 1 opening this fall!

Share the take-home letter with your family.