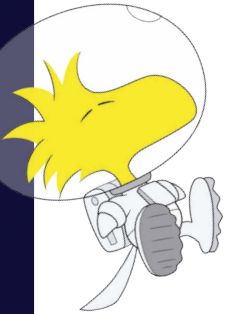


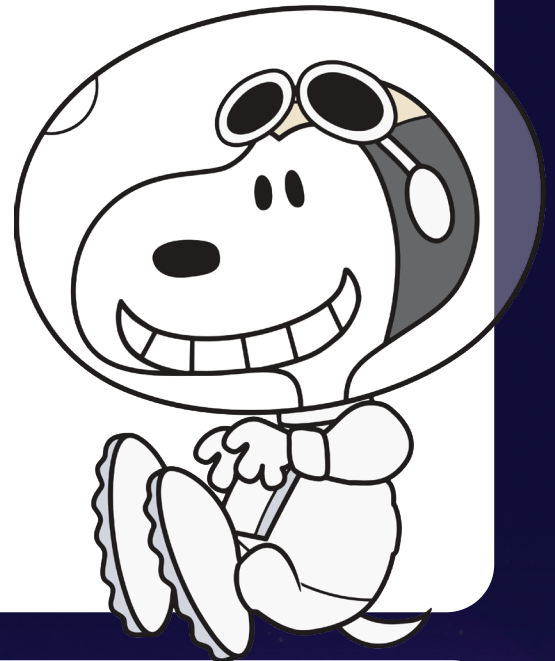
Ready, Set, Mars!

Snoopy and Woodstock are dreaming of a mission to Mars. But NASA scientists need to learn more about surviving on Mars before we send astronauts there. And they need to design a safe place for astronauts to live while they explore Mars. Scientists test their designs by making a prototype, or model. Some challenges on Mars are strong winds that can blow up to 60 mph during dust storms that can last for weeks. Martian habitats, or Habs, need to be strong enough to withstand these.

How would you keep astronauts safe from windy Martian dust storms? With your group, use the materials you've been given to build a prototype of a Hab that can stand up to the winds of a Martian dust storm. Then ask your teacher to test it with a fan. What happens when it encounters this "Martian wind"? Describe what happens below.



Failures give us clues about what to try next. Brainstorm ways to improve your Hab with your group, and then rebuild it. When you are ready, ask your teacher to test it with the fan again. What happens this time? Did your improvements work? Are there any more improvements you can make? Write your answers below.



Continue to test and improve your prototype. Draw a picture of the final version of your prototype on the other side of this sheet, and list the improvements you made to your design.

Did you know? It will take about 9 months for astronauts to travel from Earth to Mars. Find out what the Peanuts gang learns about Mars and how they create their own Mars mission by watching *Snoopy in Space* on AppleTV+, on the Apple TV app, or via apple.co/snoopyinspace.

Families: Can you find Mars or any other planets in the night sky? Find out how you can locate planets in the night sky by visiting cfa.harvard.edu/skyreport.