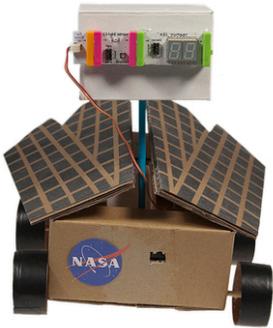




## Mars Survival Kit Make Your Own Mars Rover

Ever thought about how you could get around on Mars? What if you could send a rover to Mars, what would you want it to do? Climb to the top of the tallest mountain? Test a sample of soil to figure out what plants might grow? Find the best location to land humans on Mars?

### **Build your own Mars Rover:** *Easy*

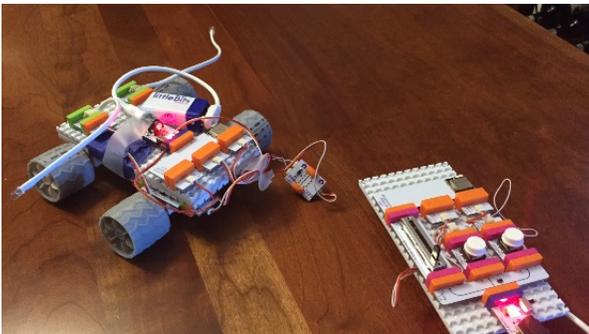


Build your own rover with materials found around your home – paper tubes, cardboard boxes, chop sticks, craft sticks, foil, or anything. Make your own design or build one similar to one NASA's Mars Rovers. See: <http://mars.nasa.gov>. Be sure to include components that will help your rover meet its objective once on Mars. Here is an example of a rover designed to sense energy on Mars.

Design your own rover and share a photo of your creation on social media with #JourneytoMars

### **Build a Mars Rover with 3D printed rover parts:** *Challenging*

For a more challenging build, try incorporating parts designed for real NASA Mars Rovers – Check out this one to 3D print at: <http://nasa3d.arc.nasa.gov/detail/mars-rover-curiosity>



Power up your rover and control it remotely.

Check out this project that uses 3D printed Curiosity wheels and a wireless controller. Challenge yourself to build a better rover and share your creation by sending an image to #JourneytoMars

### **Host a Mars Rover party:**

Invite your friends to build rovers and try them out on a realistic Mars terrain using real data. Simulate an area you would like to visit at MarsTrek: <http://marstrek.jpl.nasa.gov/> Or you can 3D print one out at <http://nasa3d.arc.nasa.gov/detail/mar0kuu2>

**Most of Have Fun!** You are the Mars Generation. To learn more about NASA, visit <http://www.nasa.gov>