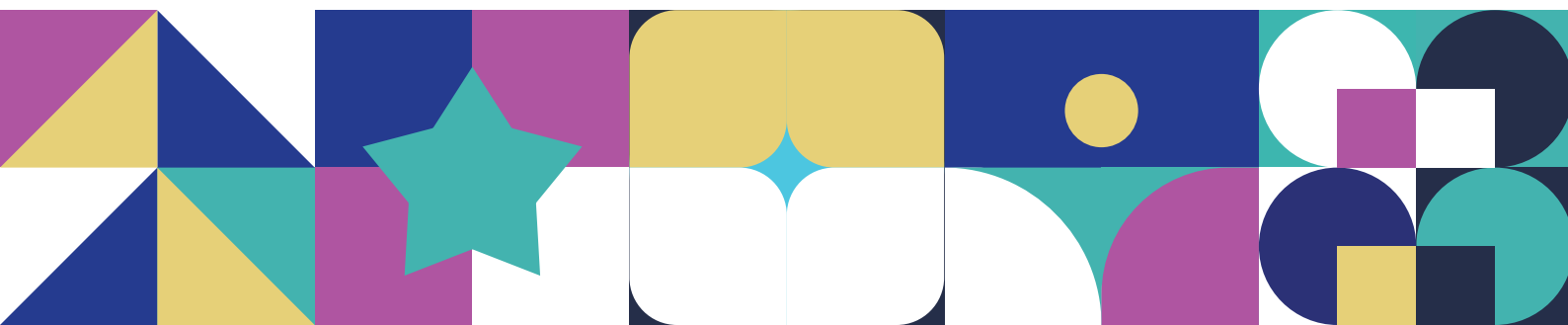


EPISODE 13

Inventions in Space



Ages 4-7:

Before astronauts could travel to space, someone had to invent a rocket that could take them up there. In the time since, scientists have developed newer, better spaceships that fly faster, higher, further.

It's your turn now!

Design a rocket ship. It can be any shape or colour. You can even choose the size! Are there any special devices you think should be on there for your astronauts to use? Draw your ideas and show us!



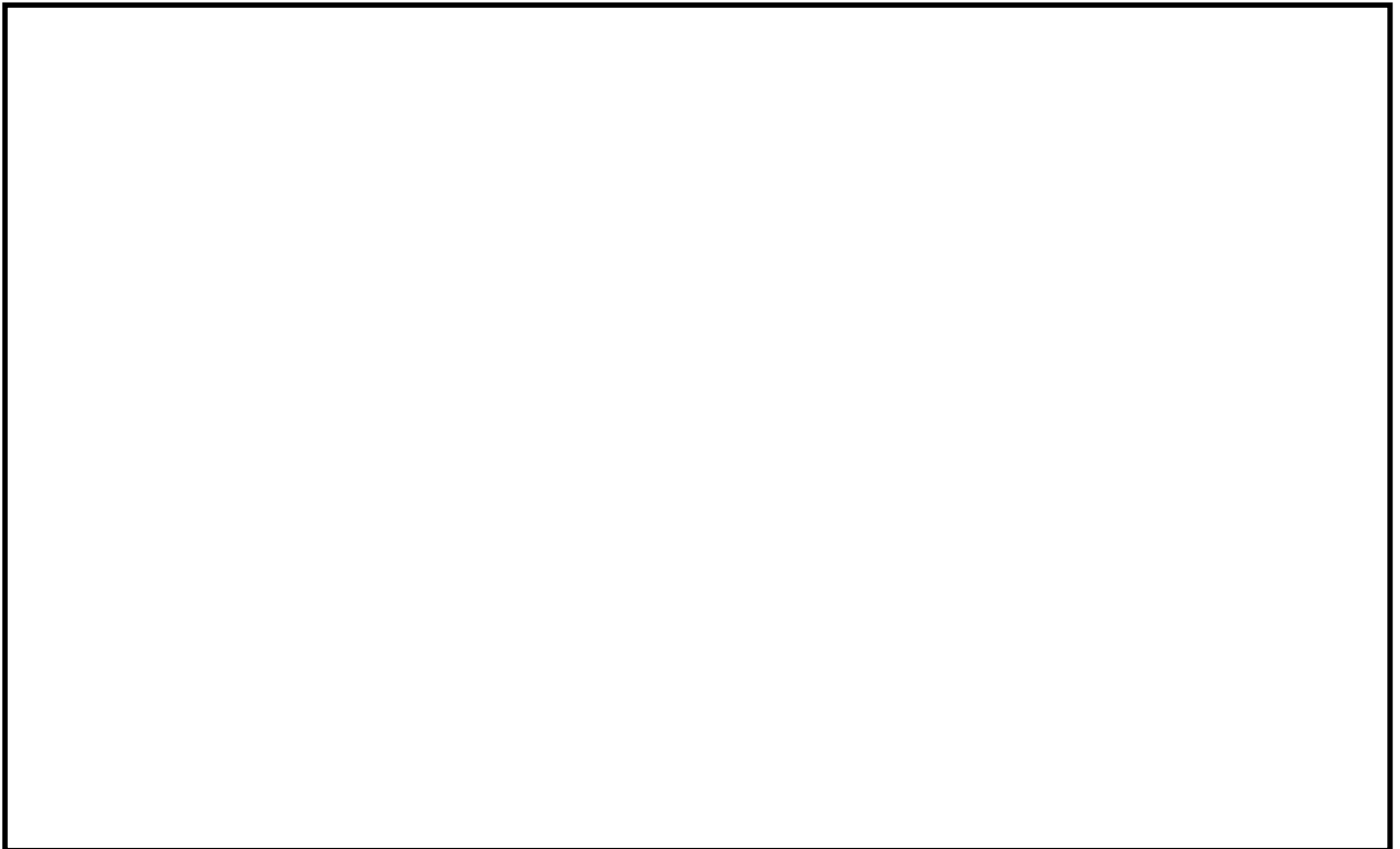
Share your results using [#ELFInSpace](#)

Ages 8-13:

Living in space is very different from living on Earth. There's no gravity, and food, water, and air are all limited. As a result, scientists have invented all kinds of things to help make life easier for astronauts. For example, water filters were developed to ensure that the water on spaceships is safe to drink. (Especially since it's recycled!)

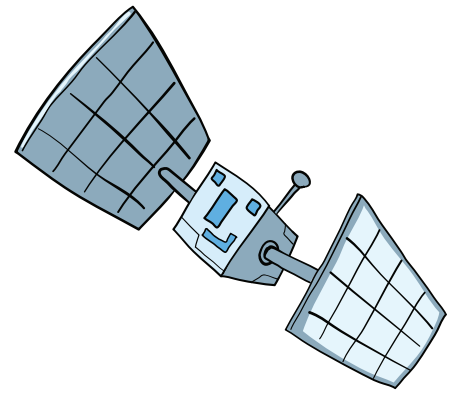
Lucky for us, a lot of things that were invented for astronauts can also help people here on Earth! In fact, scratch-proof plastic eyeglass lenses were invented because scientists were trying to develop a water filtration system for astronauts!

Think about your life on Earth. Is there an invention that could help make your life easier? Let us know! Draw your invention and tell us what it's supposed to do.



Share your results using #ELFInSpace

Ages 14+:



Most inventions were designed to work on Earth. But when humans started going into space, scientists had to adapt existing items so they would still function. Even something as common as a ballpoint pen had to be rebuilt so it could be used in a zero-gravity environment.

Now think about the items you use every day. How would you change them so they would work in space? Feel free to use drawings to illustrate the different parts of your design and how it's supposed to work.

Share your ideas using [#ELFInSpace](#)