

I Challenge You STEM Menu

Ask someone to give you 8-10 items and use it to complete the challenge. If no one is around, pick 8-10 items for yourself before picking a task card. If there is more than one of you, pick it for one another. See what you can create!

Space Shuttle Challenge

You've just landed your spacecraft on a new planet and are desperately in need of water, but the only water source is a half mile away.

You may not find your space shuttle if you leave it. Design a way to get the water without walking away from your space shuttle.

Elephant Challenge

You are an elephant at the zoo and just found out you'll be transferred to another zoo that is full of mice! You are very afraid of mice. Design something you can use to keep the mice away.

Dog Toy Challenge

You have a deadline to create a dog toy that is so fantastic it is sure to sell out of stores in no time, but you have limited materials. Make an awesome designer dog toy out of as little of materials as possible.

Car Challenge

Your car's engine has broken down right in the middle of nowhere while you were on your way to work. Build an engine that is efficient enough to get you to work on time.

Fishing Challenge

You are fishing on a boat in the ocean. Suddenly there is a big wave! A fish comes up out of the water. It is too big for your fishing gear to hold. Build some better fishing gear that can catch and hold the large fish.

Pool Challenge

You are at the swimming pool on a nice warm day, but you forgot to bring your pool toys. Create a pool toy that would be fun to play with in the pool.

Volcano Challenge

You're on an expedition and encounter a volcano spewing hot lava. You must pass the volcano to continue on your expedition. Design something to help you continue safely on your way.

Garden Troll Challenge

You've just discovered the only known garden troll in existence, but he's refusing to come out from his home hidden in your backyard. Design something to lure him out so you can get to know him.

Robot Challenge

You are trying to befriend a very shy robot. Design a present for the robot that you know it will love!

Rainforest Challenge

While going on an adventure in the rainforest, you became lost from your group. Design a device to get their attention so they can find you.

Bird Challenge

You are a bird and need to build a home for your bird family. Build a home that will keep your bird family safe and comfortable.

Goldfish Challenge

You are pet sitting for a goldfish but he really misses his owner. Design something to cheer him up.

Movie Challenge

You are filming a movie but someone broke the video camera. What will you use to film the movie? Build it.

Antarctica Travel Challenge

You just woke up to find yourself on a glacier in Antarctica! Use your materials to design something that can help you get back home.

Blueberry Challenge

You are in a forest and see the most delicious looking wild blueberries across a wide river. Use your materials to devise a way to get to the blueberries.

New Planet Challenge

You just flew your spaceship near a brand new planet no one has ever been on, but you aren't sure if the surface is strong enough to hold your ship. Create a device to test it and find out before you land your spaceship.

Forest Challenge

You are going on a nature walk in the forest to collect treasures from nature, but you forget to bring something to hold your findings.

Design the perfect container to hold all of your treasures from your walk into separate compartments.

Fly Challenge

Someone left the back door to your house open, and it is now full of hundreds of flies-too many to swat! Use your materials to make something to help rid your house of flies.

Ant Challenge

You are an ant watching a giraffe eat delicious leaves from way up in a tree. You really want to try one! Create a way to get one of those leaves.

Spider Challenge

You are a spider and your best friend is a bee. You really want to travel by flying with your bee friend, but you can't fly. Create a way you can join your best bee friend in the air.

Fish Challenge

You are a fish that wants to see what it is like to live on land. Design a way to explore the world out of a fish tank.

Halloween Challenge

Oh no! The world has just run out of candy right before Halloween! Create a machine that can help save trick-or-treating!

Shelter Challenge

You have a unique pet iguana that does not like the sun. Design a shelter for him so he can stay in the shade.

Gardener Challenge

Invent something that you know a gardener would love!