

Get Ready...Get VEX...GO!



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VEX Robotics, Inc.

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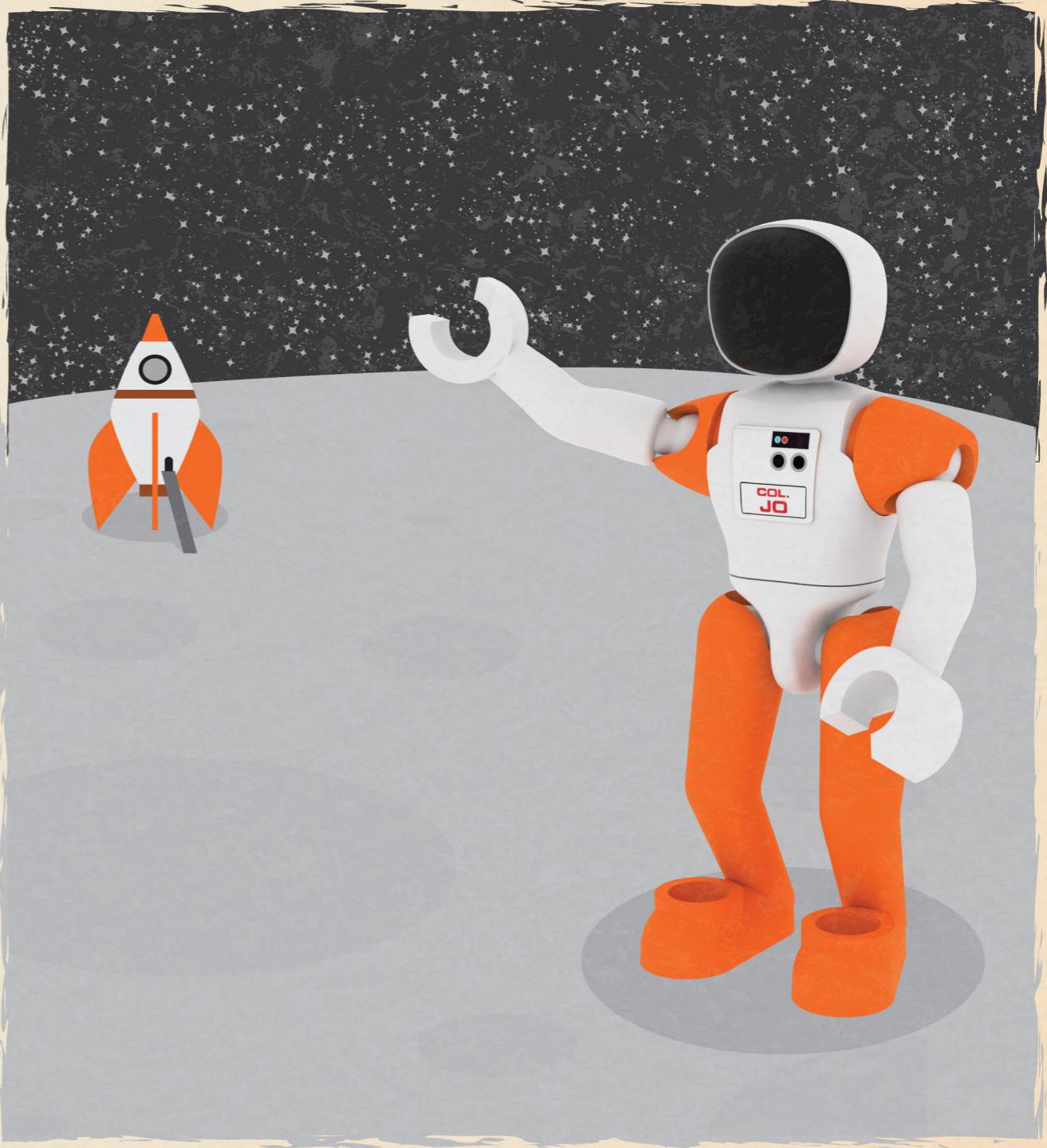
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Get Ready...Get VEX...GO!

Hi, I'm Jo! I'm an astronaut.

When I'm not on a mission,
I spend time helping future
scientists, engineers, coders,
and thinkers - like YOU -
learn with VEX GO.



Get Ready...Get VEX...GO!



I've helped friends all over the world build, create, and do amazing things with VEX GO. The more we build, explore, experiment, create, and code, the more we can learn about STEM and our world, together.

STEM stands for science, technology, engineering, and math, which we use and learn about in some way every day.

Get Ready...Get VEX...GO!

Let me show you what I mean... From clocks and helping hands, to frogs and toy cars, we can build things to learn more about them, and how they work. We can also make games, creatures, or our own inventions!

No matter what we create, we can always use our imaginations to make it our own.



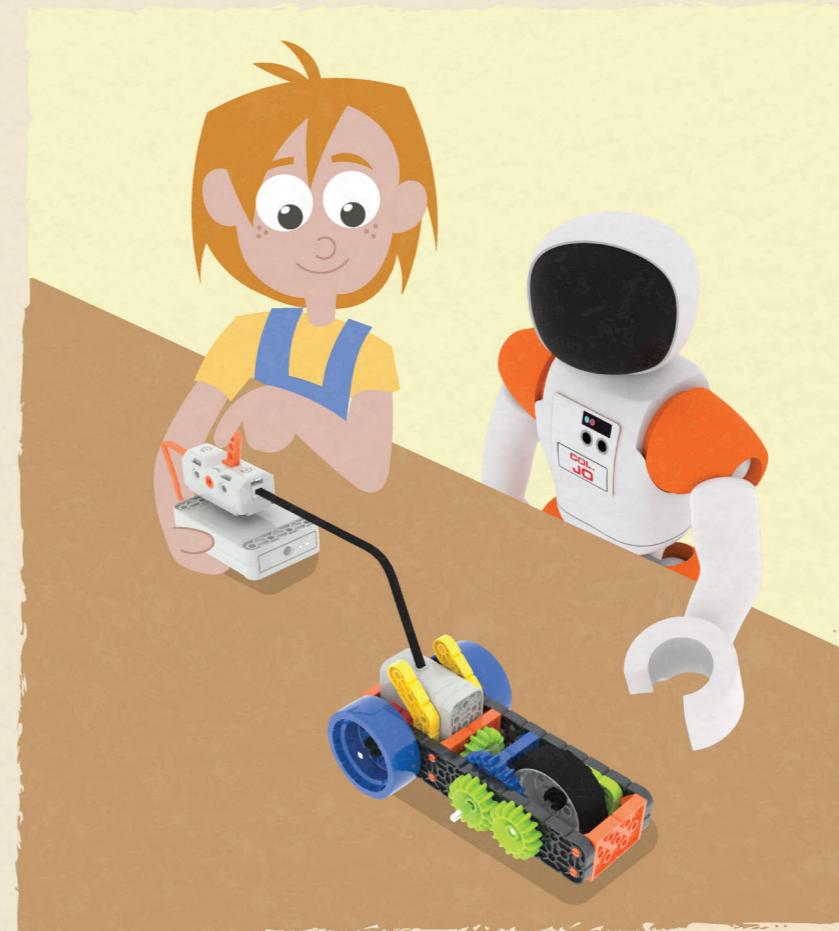
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Many things we build together will be able to move.

Most of our builds will have moving parts.

Sometimes, you'll move them by hand.

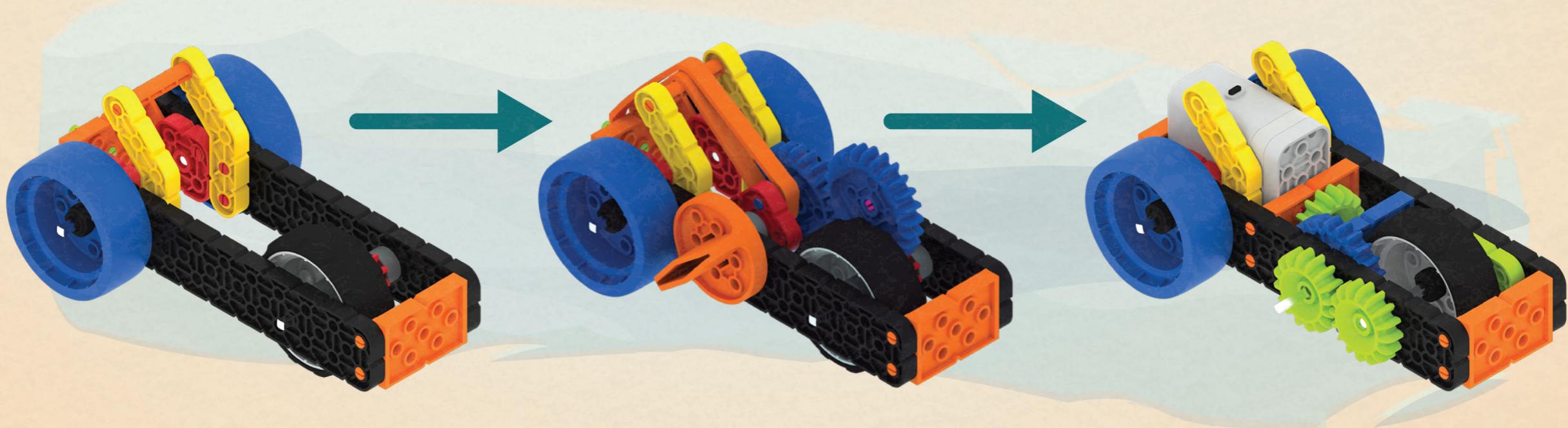
Other times, you might add motors to bring your builds to life.



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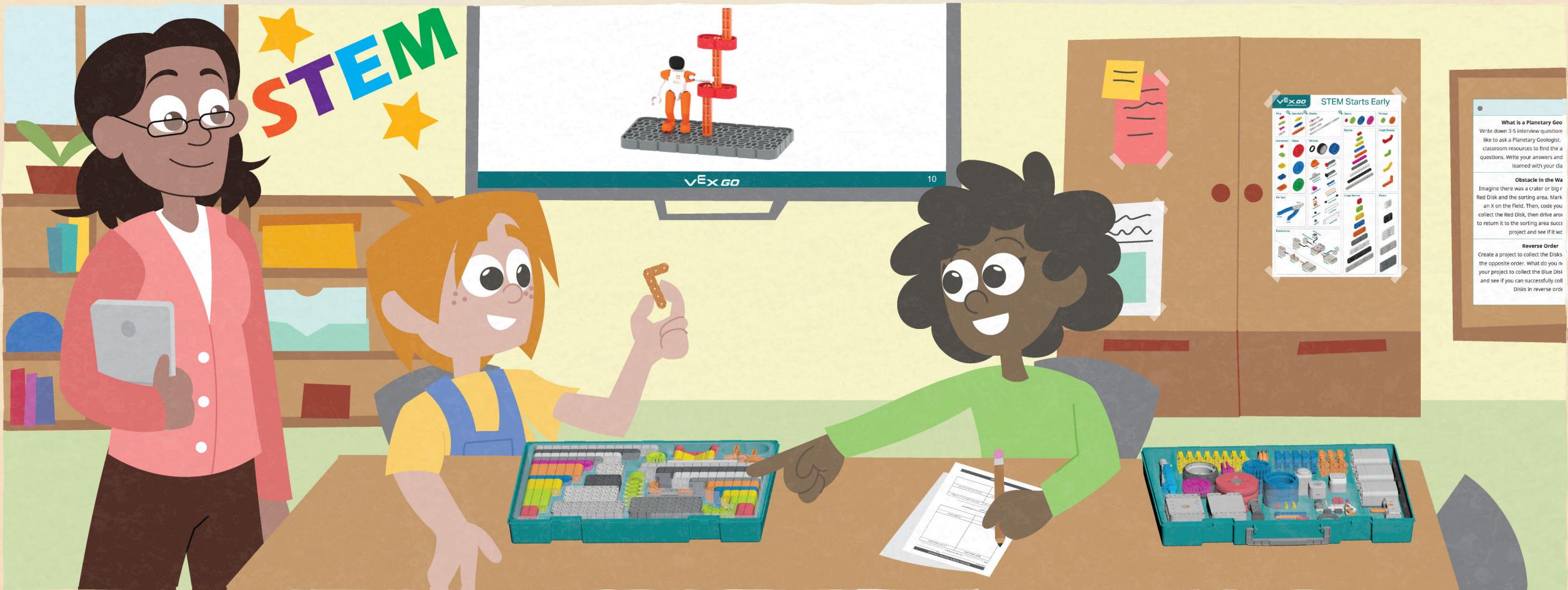
One of my favorite things to build are robots. Working with robots is so much fun! We can build robots, and then use code to make them move and solve challenges.

Often, you won't solve a challenge completely on your first try, but that's OK. Problem solving, persevering, and trying new solutions is a big part of the fun of VEX GO! Sometimes, you'll get so excited, it'll be hard to wait to try your next solution!



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I bet you're wondering how we're going to do all of this awesome stuff. That's where our VEX GO Kits come in! There are lots of pieces and parts in our kits, so that we can create different builds together. And if things get tricky, you'll always have me, your teacher, and your class to help you.



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In your kit you'll find pieces for building, electronics, sensors, and so much more!

The pieces are all different colors, so they are easy for you to find when you're building. This helps when we're putting things away, too.

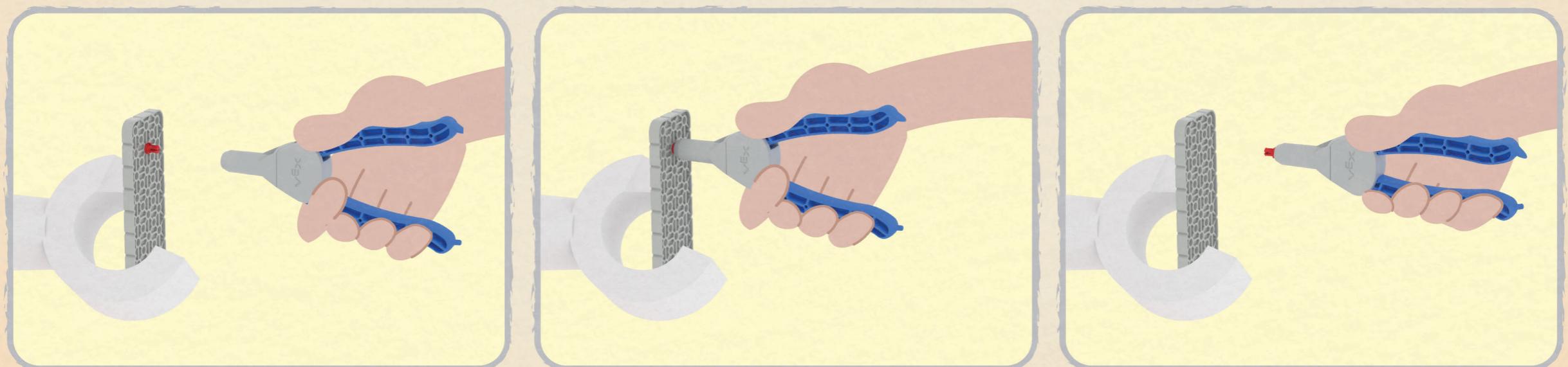
Taking care of our materials is important, and can help us practice patience when we're building and working together.

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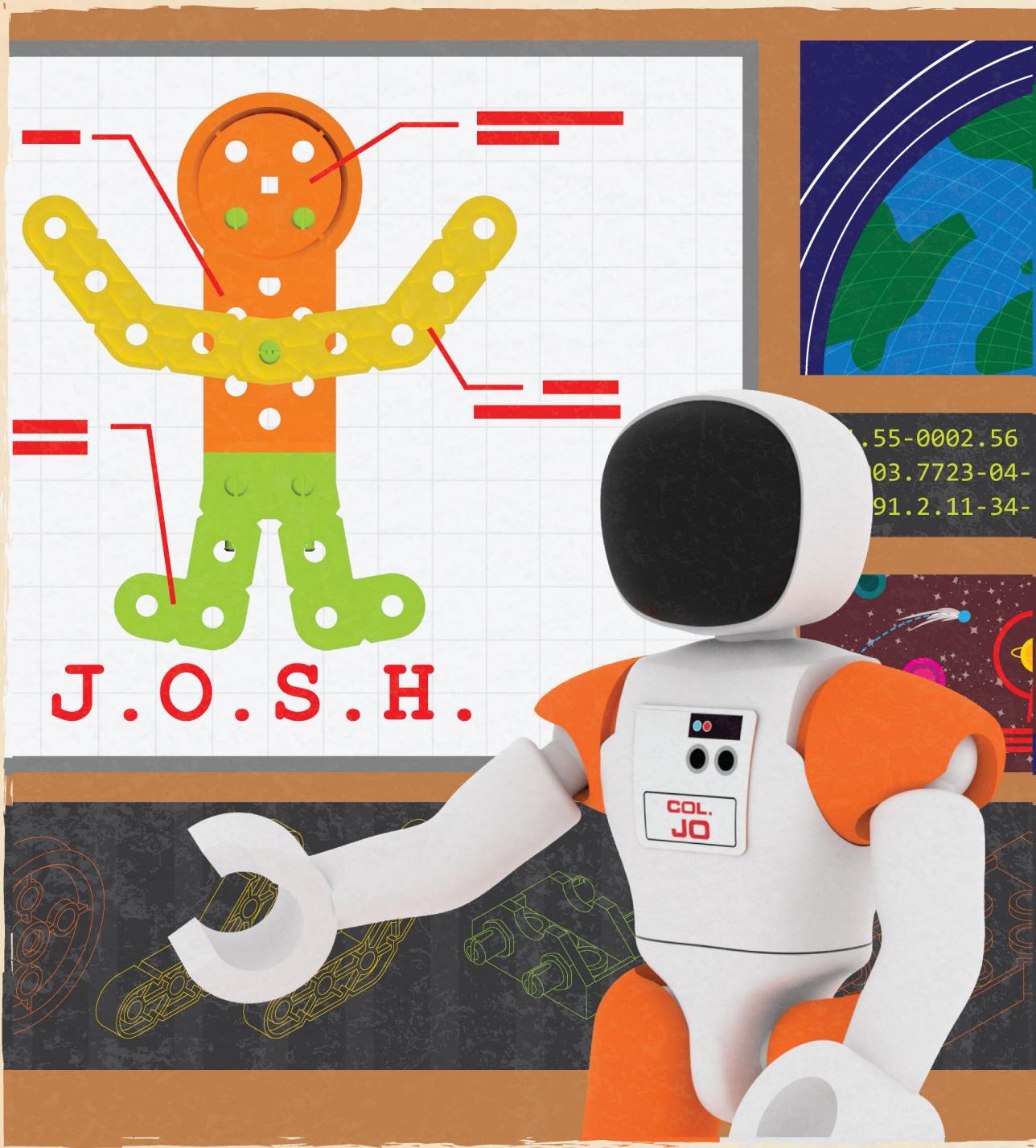
We'll use these parts and pieces in lots of creative ways,
to make so many different things!

You also have a special tool in your kit – the VEX Pin Tool.
This is really helpful when we're building or taking a build apart.

As you do more and more with VEX GO, your class will
learn more about how to use all of the pieces in your kit.



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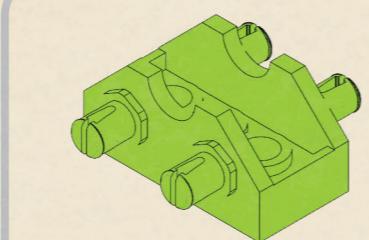
I always say, the best way to learn about VEX GO is to use VEX GO! Are you ready to build something together with your group?

As an astronaut, I've built lots of robots to help me on my missions. This is one of my first creations. I named this robot "J.O.S.H." for Jo's Original Special Helper."

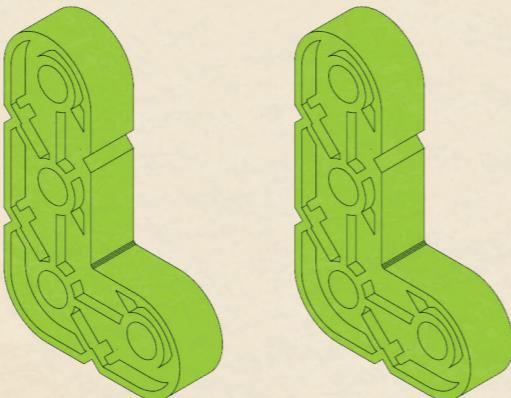
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First, we'll start with a Green Connector
and 2 Green Angle Beams.

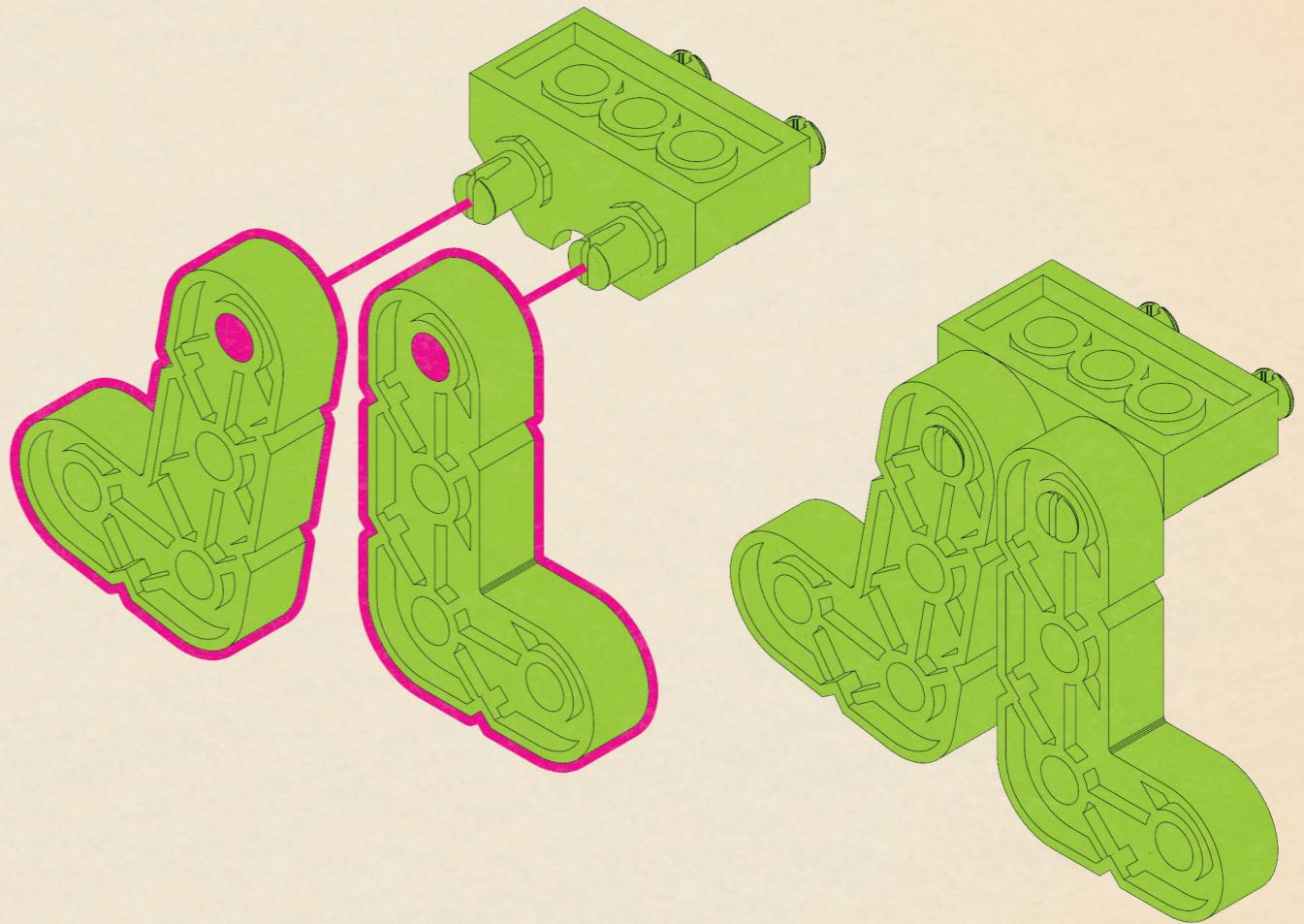
Snap them together.



Green Connector



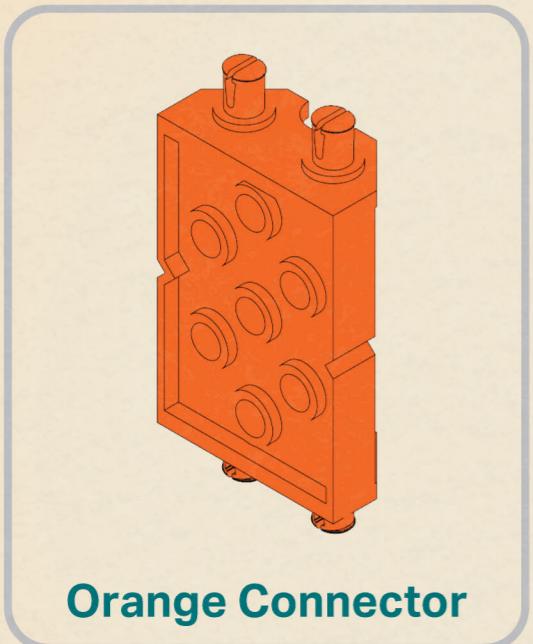
2 Green Angle Beams



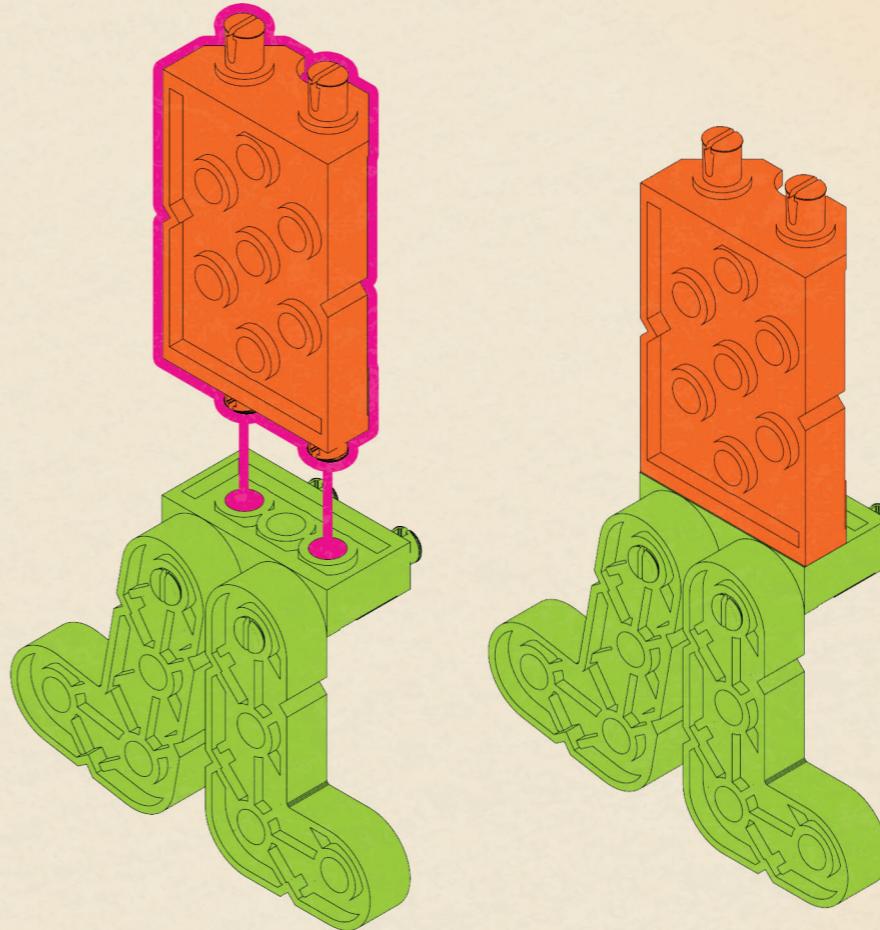
That's going to be J.O.S.H.'s legs.

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Next, we'll add an
Orange Connector.



Have your partner snap the Orange Connector
into the Green Connector.

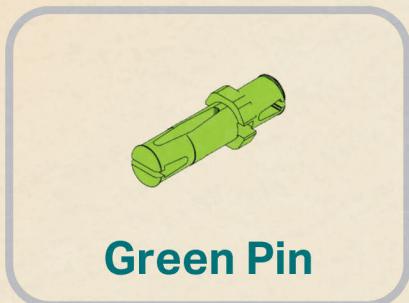


That's going to be J.O.S.H.'s body.
We'll always take turns and use teamwork with VEX GO,
because we build and learn better when we work together.

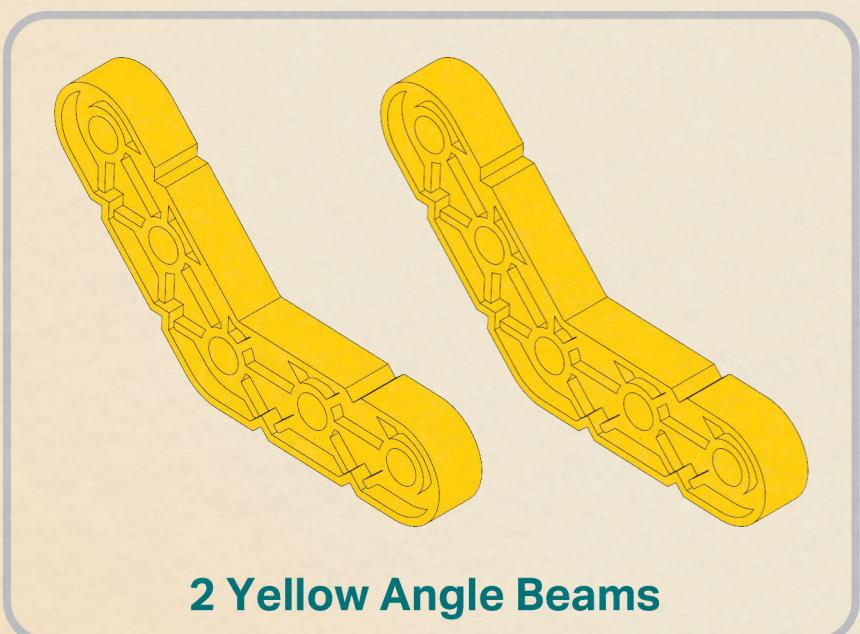
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Now we'll need a Green Pin and
2 Yellow Angle Beams.

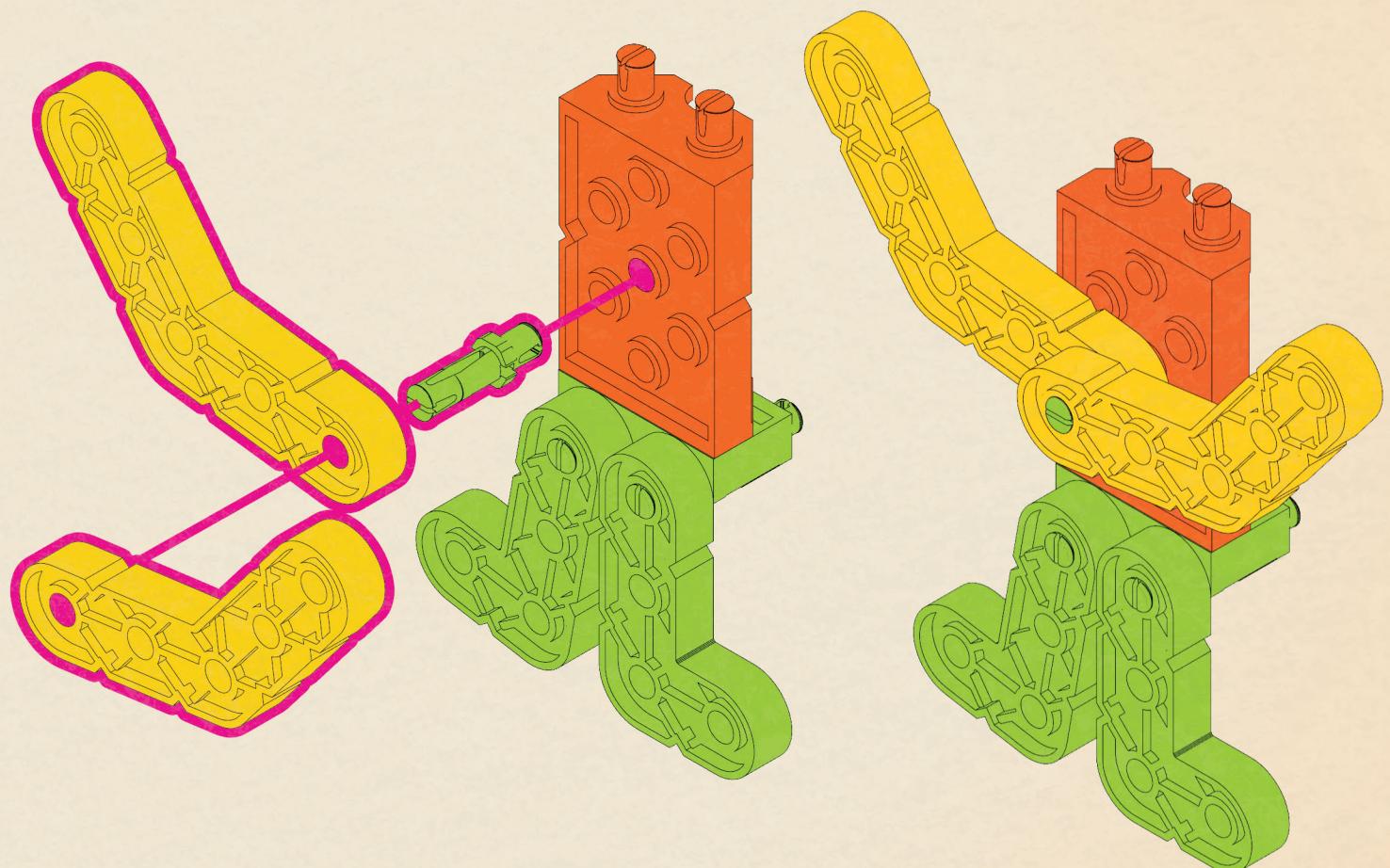
Put the Green Pin through the
Yellow Beams, then connect the
Green Pin to the Orange Connector.



Green Pin



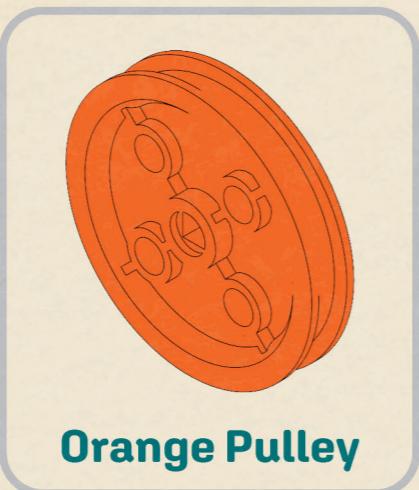
2 Yellow Angle Beams



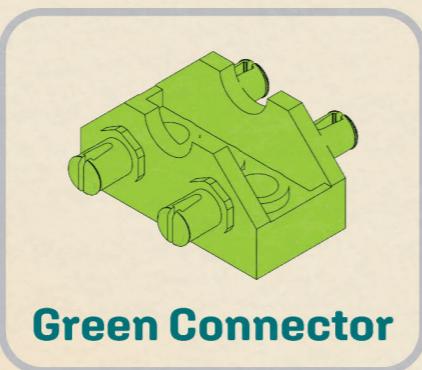
Now J.O.S.H. has arms!

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J.O.S.H. needs a head next, so we'll need an Orange Pulley and another Green Connector.

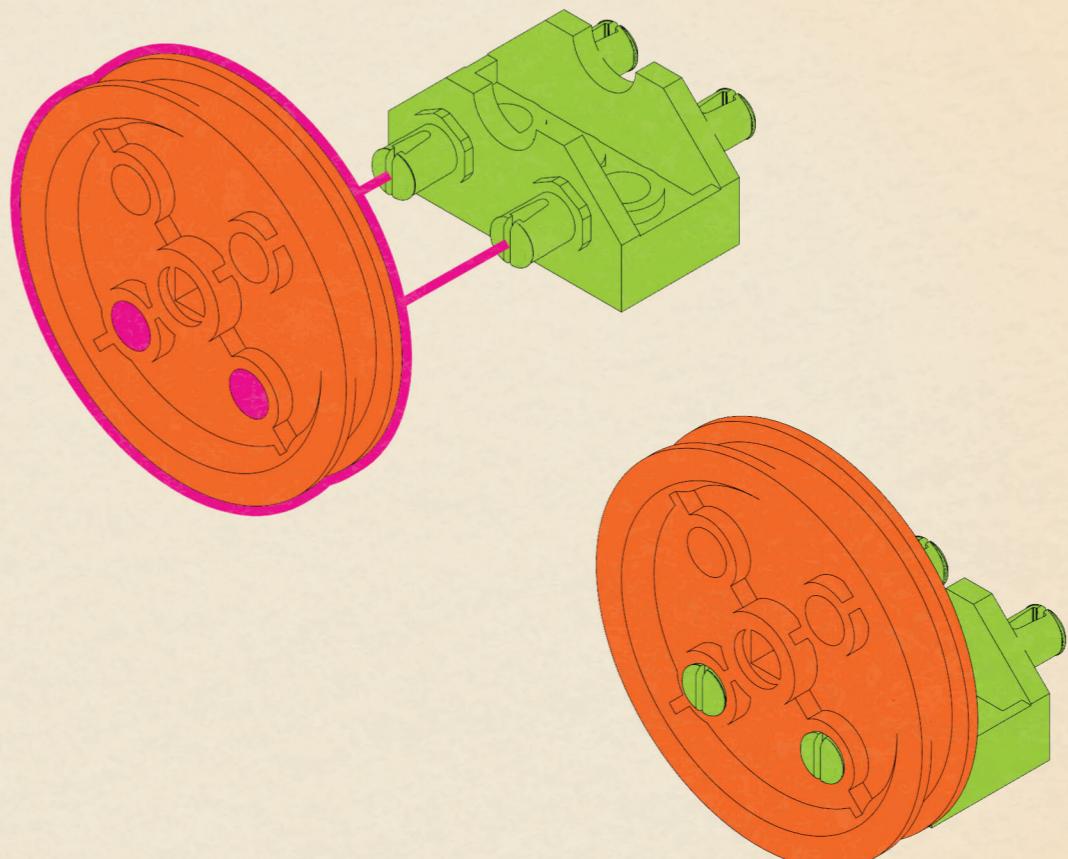


Orange Pulley



Green Connector

Snap the Orange Pulley onto the Green Connector.

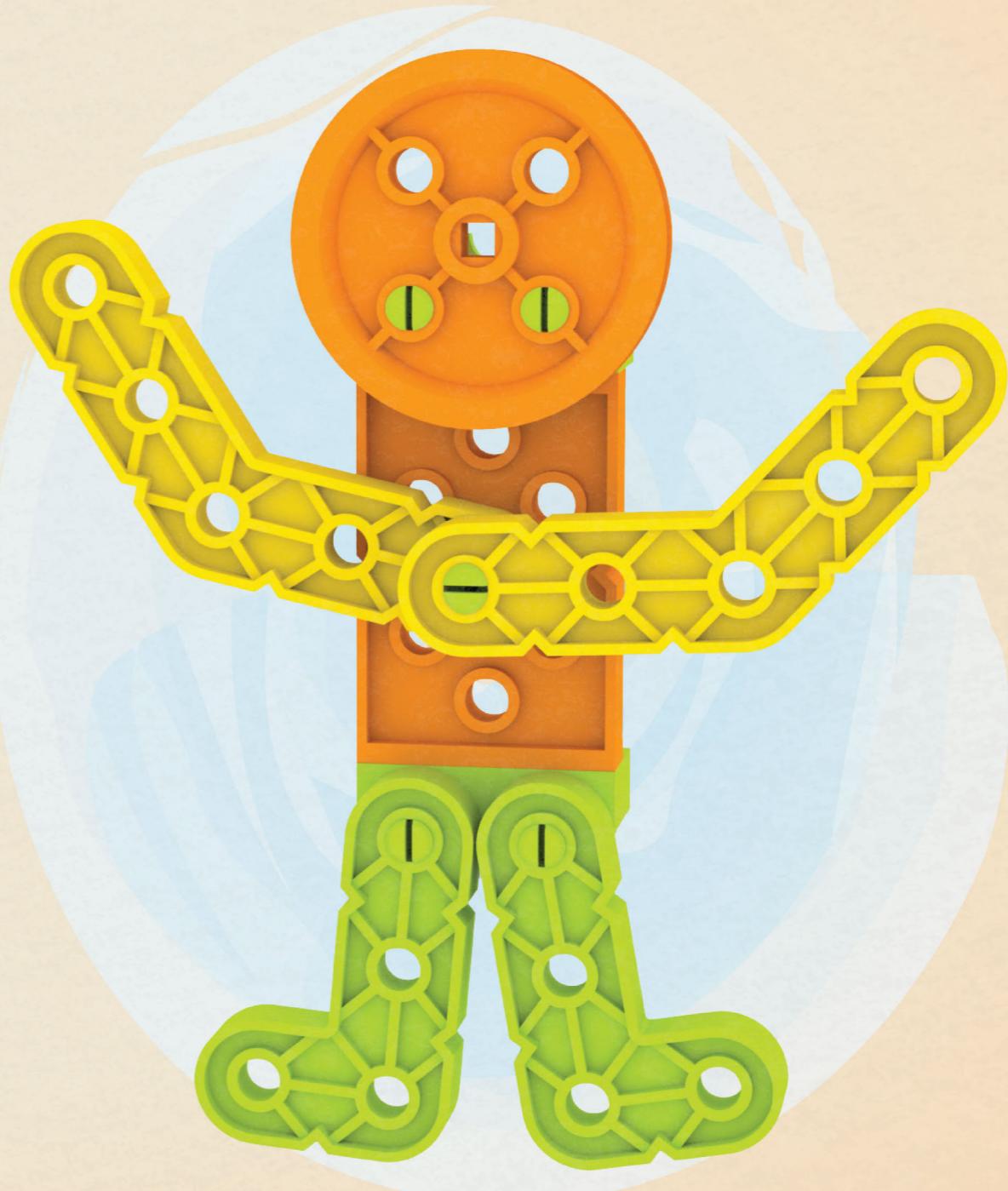
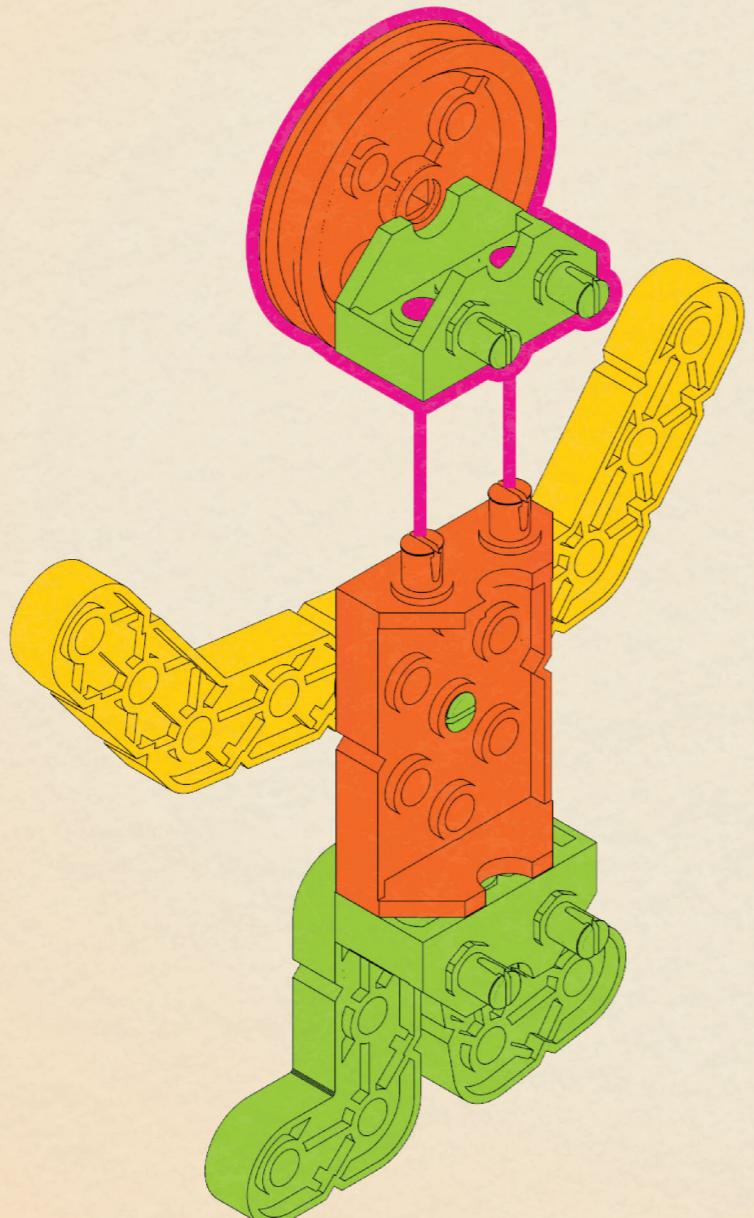


This will be J.O.S.H.'s head.

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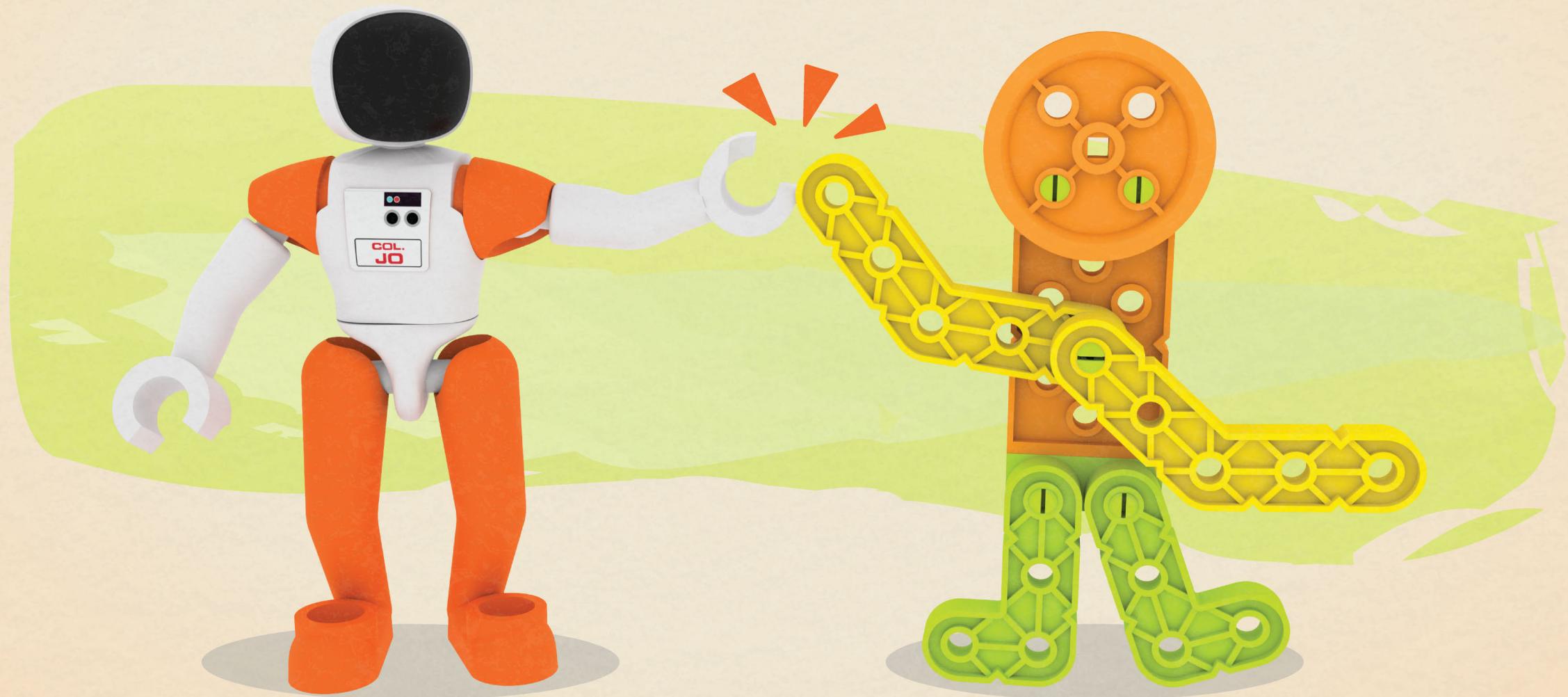
One more step – attach J.O.S.H.’s head.
Snap the Green Connector onto the
Orange Connector.

Now, say “Hi!” to your J.O.S.H.!



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Congratulations! You just made your first VEX GO build! Now you can use your imagination to make J.O.S.H. the robot come to life! Move the arms to wave, or move the legs to dance, or give J.O.S.H. a voice and talk to your partner!



Get Ready...Get VEX...GO!

One thing I've learned about being an astronaut, is that it takes patience, persistence, and teamwork! When we are building or coding together, it's important to remember that we are going to make mistakes, and that's OK.

Every time we make a mistake, it helps us learn. The scientists I know make mistakes all the time, and with patience, persistence, and teamwork, they do amazing things! Like land a rover on Mars! That took a LOT of perseverance!



Get Ready...Get VEX...GO!

That's the great thing about VEX GO – it lets us have fun and be creative with our STEM learning!

We can be scientists, engineers, designers, inventors, and creative thinkers right now!

We can build, make, and do amazing things when we work together and just keep GOing!

