CONGRATULATIONS!

This cart is going to supply your students/kids with incredible experiences, unlike anything else they have ever done. We’ve tried to make “getting started” as easy as possible. Follow these few easy steps below, and you’ll be making projects in no-time.

UNPACK & ASSEMBLE

We spent a great deal of time and effort putting your cart together for you.

1. Remove boxes from pallet and find Box 1 with tools. Unbolt cart from underneath with pliers.

2. Remove wheel casters from Box 1 and screw onto cart legs.

Quick Tip

Leave the bins wrapped from shipping and hang the cart off the edge of the pallet to screw in casters.
Remove the bag of pegs and a stubby screwdriver from Box 1 and attach as shown below. Please note: screws attach above the hooks.

Bin Side (left side when facing the cart)
4 With the U-bolts, hole plates, and nuts from Box 1, insert U-bolts thru drilled holes of the “Maker Space” sign and then thru the hole plate, loosely tighten nuts.

5 Slip the U-bolts over the cart poles. Stack two of the empty top bins and use as spacers to mount evenly.

6 The “Maker Space” sign is dry-erase, color and recolor as many times as you like with dry-erase markers or crayons.

Hand tighten all nuts, then go back with pliers to fully secure in position. Tighten so that it is snug, but do not overtighten.

7 Fill up your bins with TeacherGeek components and you are ready to go! (You will have more components than will fit in some bins. Save extras to refill your cart later.)

We’ve also included two extra bins to go next to your cart for storing recycling materials and cut/reamed parts.
Tool Side (right side when facing the cart)

Fill pegs with tools for easy student/kid access as shown above.

Revision X2 Cart: The cutters, hammers and scissors should look like this.

Bin Side (left side when facing the cart)

Fill pegs with components as shown: vinyl tubing, wire rolls, string, and tape. Hang bins (two in a row) with the first three rows being the smaller bins and the last three rows being the longer bins. Fill as labeled.
All done!

Your Maker Cart is fully assembled and ready to use! Keep the extra components handy to refill your cart.

Reorder supplies from teachergeek.com
GET BUILDING

With so many different TeacherGeek components at your fingertips, design and build your own unique engineering inventions or follow along with our TeacherGeek Build Guides.

Included with every Maker Cart are FREE editable documents to enhance your Maker Cart experience. Exclusive to the TeacherGeek system, these documents will provide hours of classroom and maker space activities at every age and grade level (available for Microsoft Word and PDF). Find your Maker Cart documents at: teachergeek.com/maker

BUILD GUIDES

TeacherGeek Build Guides provide step-by-step assembly instructions for self-driven learning and call-outs for innovative creativity and independent thinking. Students/kids learn hands-on subjects like electromagnetism, circuitry, physics, math, the list goes on and on.

LAB ACTIVITIES

TeacherGeek activities really work! Drill home science, technology, engineering, and math concepts in TeacherGeek Lab Activities. Learn what STEM can do in the real world. Test builds and answer key questions about different topics. Don’t worry, Answer Keys are password protected.

DESIGN & ENGINEERING CHALLENGES

Take your TeacherGeek Builds to the next level! Kick it up a notch and challenge your students/kids to develop and improve their builds in the Design & Engineering Challenge Cycle: Ask, Imagine, Plan, Create, Improve, and Repeat. There is no perfect solution and every design can be improved. The possibilities are endless!

Microsoft Word Docs and PDFs Available Online: teachergeek.com/maker

Answer Key Passwords for Lab Questions

“Catch the Bug” Password: B18-CH39
All other Passwords: pascal7
Built it, try it, change it. Design and engineer your most imaginative mechanisms with TeacherGeek™ components. Combine them with recycling bin and other materials.

**CUT**

*Multi-Cutters* cut wood & plastic (like dowels and connector strips). They do not cut metal.

**PUSH, WIGGLE, TAP**

Push, wiggle or tap dowels into holes.

**REAM**

Most parts have holes with teeth. The teeth hold dowels (keep dowels from falling out).

A reamer removes teeth from a hole. This allows a dowel to spin in the hole.

Only ream holes where dowels should spin.

Never ream pulleys, gears, wheels, or any hole a dowel stays stuck into.

**SCREWS & NUTS**

Screws (without nuts) can connect parts, and allow them to rotate.

Screws (with a nut) can connect parts, and keep them from rotating.

Do not ream holes you will put screws into.

**STOP CLIP**

Press a stop clip onto a dowel to keep it from sliding or use it as a hook for a string/rubber band. It takes little force to get it on.

**SLIDE STOP**

Cut slide stop into sections. Use slide stop on dowels to stop dowels from sliding thru reamed holes.

More resources available at teachergeek.com.

Adult supervision required for children 12 and under.
HAVE QUESTIONS?
Send us an email or give us a call, if you have any questions. We want to do all that we can to make sure your TeacherGeek Maker Cart is an extraordinary experience.

IT’S OKAY TO BE A SHOW-OFF
We would love to see pictures or videos of the projects you’ve created with your TeacherGeek Maker Cart. Your submission may even be featured in future TeacherGeek documents!
Reorder super awesome bulk TeacherGeek components to refill your cart for even more making tinkering fun! Want to plan for specific TeacherGeek activities? Use our re-ordering spreadsheet to help calculate what supplies you’ll need. It’s available at teachergeek.com/maker. If you need any assistance, please call customer service.

**WARNINGS**


**Components:**
Caution: Choking hazard. Small parts. Keep this bag away from babies and children. Not intended for children under 5 years. Not a toy. Educational product. Made by TeacherGeek Inc. in NY USA 888-433-5345 sales@teachergeek.com

**Tools:**

**COMPONENTS INCLUDED**

You’ll find all of the standard Maker Cart Components on the following page. This spreadsheet is also available online at teachergeek.com/maker.