

A top-down view of a variety of 3D printed components and electronic parts scattered on a white surface. The parts include large red and green gears, smaller yellow and blue gears, black and blue structural plates, and various colored connectors and pins. Two small DC motors are visible, along with a black breadboard and several jumper wires. The text 'TeacherGeek' is printed in a stylized purple font in the center of the image.

TeacherGeek

## Maker Cart Components List

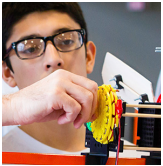


# 2.0 STEM/STEAM/MAKERSPACE CART

beyond what was once possible

## Real Design & Engineering

Imagine... rubber band powered cars racing down the hall. Hydraulic claws reaching into a simulated deep sea to recover specimens. Wind turbines generating electricity using blades made from water bottles and cardboard. These are a few of the countless projects you get with a TeacherGeek Maker Cart. TeacherGeek projects evolve over time and with the student's understanding. There is no perfect design, so students are never done/bored. Students learn from failures, pulling in math and science while truly innovating.



## The Ultimate Solution

Backed by over 60 STEM/STEAM activities and over 17,000 components (a pallet of components, see below), one cart can support hundreds of students and projects. Projects are so low cost, students often take them home. Projects range in grade level, from kindergarten all the way to 12th grade.



Maker Cart w/  
Supplies Pallet:  
442lbs 51x36x62"

## Incredible Free Resources

TeacherGeek also offers free, downloadable, editable, self-directed engineering challenges, classroom labs, overviews, scenarios, presentations & more. All activities are aligned to NGSS, Common Core and other State & National Standards.



## Make It Your Own!

Transform your classroom, makerspace or library by simply rolling in this cart. It provides an incredibly comprehensive, unparalleled STEM/STEAM/Maker solution. Getting started is easy. It comes 98% assembled; Attach the sign and tools, fill the bins and you're ready to get making!

Item #	Description
9-1507378-000	Blueberry Bins/Makerspace Sign
9-1428681-000	Blueberry Bins/STEM Sign
9-1507379-000	Blueberry Bins/STEAM Sign
9-1428681-000	Grape Bins/Makerspace Sign
9-1507379-000	Grape Bins/STEM Sign
9-1428681-000	Grape Bins/STEAM Sign
9-1507378-000	Kiwi Bins/Makerspace Sign
9-1428681-000	Kiwi Bins/STEM Sign
9-1507379-000	Kiwi Bins/STEAM Sign
9-1428681-000	Strawberry Bins/Makerspace Sign
9-1507379-000	Strawberry Bins/STEM Sign
9-1428681-000	Strawberry Bins/STEAM Sign

### Choose Your Sign



Maker Sign



STEAM Sign



STEM Sign

### Choose Your Bin Color



Blueberry



Grape



Kiwi



Strawberry





## Are You Ready?

The TeacherGeek Maker Cart is the ultimate STEM/STEAM/ Makerspace solution; stocked with all of the tools and building components you'll need to get making with TeacherGeek!

The Maker Cart comes with a ton of extra components for nearly limitless innovation!

## Epic Content

The Maker Cart is backed by TeacherGeek's extensive library of FREE educational content. This includes Build Guides, Labs, Challenges, Videos, and more! You can even download and edit them to meet your specific teaching needs.



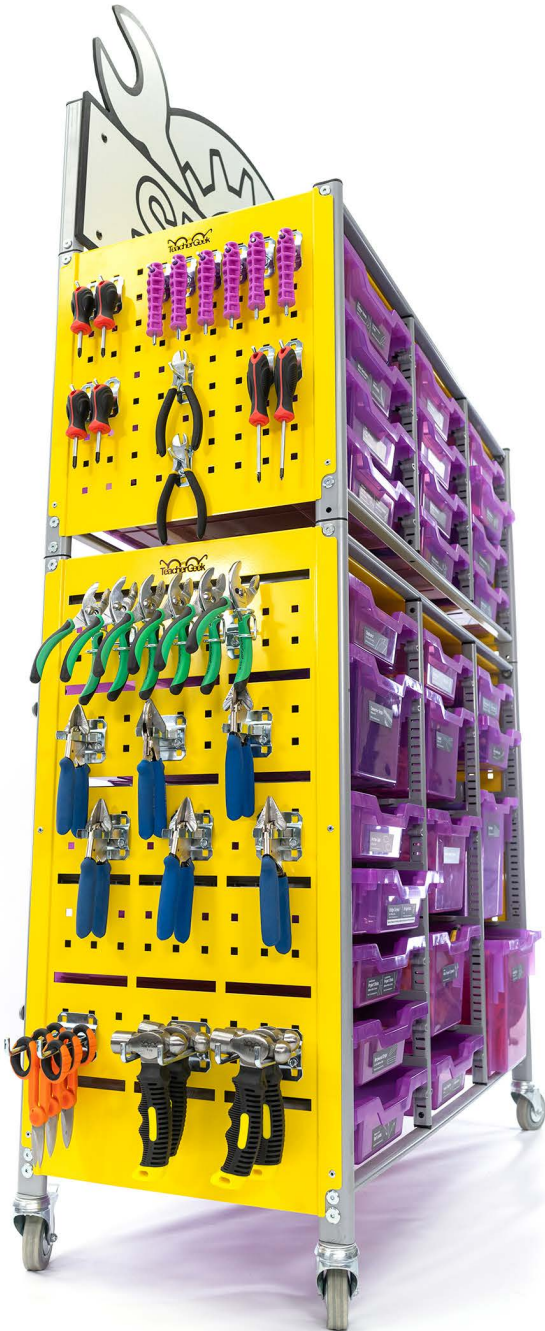
## Dry Erase

Each Maker Cart comes with your choice of mountable dry erase sign that can be colored over and over with the included package of dry erase crayons!



## TeacherGeek Tools

Tinkering and building countless Maker/STEM/STEAM projects comes easy with at your fingertips TeacherGeek tools on the Maker Cart. These high-quality tools will stand up to the wear and tear of everyday use and allows groups of 3-4 to create their greatest inventions.



Maker Cart Included Tools:

SKU	Item	Quantity
1824-37	9 1/2" Multi-Purpose Scissors	3
1823-95	Adjustable Wire Stripper	2
1823-96	Digital Multimeter	5
1823-81	Multi-Cutter	6
1823-91	Tapping Block	4
1823-86	Slip Joint Pliers, 6"	6
1823-97	#1 Phillips Screwdriver	2
1823-90	Stubby #2 Screwdriver	4
1824-41	Stubby Mini Hammer	4
1823-87	TeacherGeek Reamer	6



# Components List

Maker  
Cart

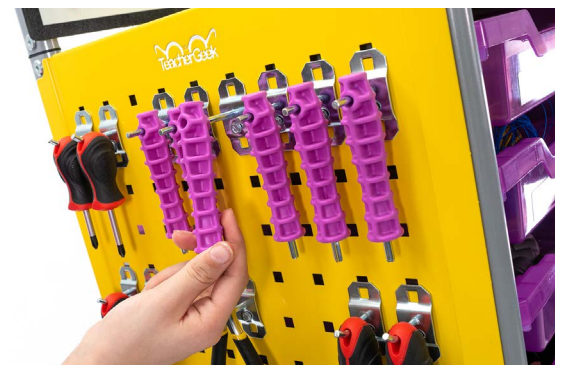


## Components List

The following components are included in the standard TeacherGeek Maker Cart.

For customization, please call or email GEEQ: (787) 621-6777 or [info@geeopr.com](mailto:info@geeopr.com)

SKU	Item	Quantity
1821-24	#10 Washer - Single	200
1824-54	#10 Fender Washer - Single	100
1821-25	#10 Hex Nut - Single	800
1821-26	#10 Lock Nut - Single	200
1821-22	#10 25mm (1") Screw - Single	800
1821-23	#10 38mm (1.5") Screw - Single	100
1821-27	#10 50mm (2") Screw - Single	100
1824-78	#8 76mm (3") Bridge Screws	500
1824-80	#8 Bridge Nuts	3,000
1821-21	Cylinder Screw - Single	1,500
1821-56	T-Connector - Single	100
1821-57	Check Valve - Single	200
1821-59	Pinch Valve - Single	200
1821-66	Mini Hub Assembly (Red) Motor Mount - Single Each Assembly Includes: 1 - Red Hub Cover 1 - Red Hub Base 1 - Mini Hub Screw 10 - Toothpicks	100
1821-67	Mini Hub Assembly (Green) Dowel Mount - Single Each Assembly Includes: 1 - Green Hub Cover 1 - Green Hub Base 1 - Mini Hub Screw 10 - Skewers	100
1821-17	Small Bamboo Project Sticks	1,000





# Components List

Maker  
Cart

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SKU	Item	Quantity
1823-68	Portion Cup - Single	200
1821-52	4.5mL Cylinder - Single	100
1821-53	14mL Cylinder - Single	400
1821-54	14mL Barrel - Single	200
1821-28	Mixed Gear Set Each Set Includes: 1 - 10-tooth Gear 1 - 20-tooth Gear 1 - 40-tooth Gear 1 - 50-tooth Gear	400
1821-29	Mixed Pulley Set Each Set Includes: 1 - 9mm Pulley 1 - 25.5mm Pulley 1 - 55.5mm Pulley 1 - 70mm Pulley	400
1834-54	Wooden Wheel - Single	200
1821-30	Wheel/Hub - Single	400
1821-78	Alligator Clip Lead - Single	50
1821-33	Angle Bracket - Single	400
1821-36	Basswood Strips - Single	400
1821-63	AA Double Battery Holder	200
1823-50	Zip Ties - 1000 Pack	1
1821-48	Chip Board - Single	100



# Components List

Maker  
Cart



SKU	Item	Quantity
1821-43	Wire Roll - Single	50
1821-72	Wire Section (12") - Single	100
1821-31	Connector Strip - Single	1,000
1821-20	Dowel - Single	1,400
1821-32	Hole Plate - Single	400
1821-34	Perpendicular Blocks - Single	600
1823-62	Power Supply - Single	2
1821-01	Small Motor w/ Leads - Single	100
	Includes:	
	1 - Fully Assembled Small Motor with Motor Mount, Leads, & Adapter Pin	
	1 - AA Single Battery Holder	
1821-37	Motor Adapter Pin - Single	300
1821-75	Small 1-3V Motor - Single	100
1821-69	Small 1.5-3V Motor Mount - Single	100
1821-70	Large 3-6V Motor - Single	100
1821-38	Large 3-6V Motor Mount - Single	100
1821-49	Slide Stop, 300mm (12") - Single	50
1823-39	Small Rubber Bands	1 lb.
1821-60	Stop Clip - Single	500
1821-64	Tire Rubber Bands	500
1823-51	Vinyl Tubing, 1/8"ID	6 - 100' Rolls
1821-81	Red Vinyl Tape Roll	1
1821-83	Yellow Vinyl Tape Roll	1
1821-82	Green Vinyl Tape Roll	1
1821-84	Blue Vinyl Tape Roll	1
1821-90	3V Green LED	70
1821-91	3V Red LED	70
1821-92	3V Yellow LED	70

## Extras & Reordering

Each Maker Cart comes with extra supplies for replenishing throughout the year (way more than what you see in the cart). If you do run out, please refer to the SKU number and we will be sure to get you more supplies right away. Contact us at 787-621-6777 or [info@geeopr.com](mailto:info@geeopr.com)



# Components List

Maker  
Cart

TeacherGeek

## There's More?!

Given all of the awesome tools and components that come with the Maker Cart, it would be nearly impossible for us to include all of our academic content! Here's a quick breakdown of what we offer...



### Go Guides

These nifty guides are designed to make it easy to start making with TeacherGeek. Graphically illustrated instructions help you complete your first build, and the inspiration page will help you engineer your next!

### Lab Activities

Hammer home scientific and mathematical concepts all while having a blast! TeacherGeek's build quality means kids/students get to work with real data, understanding how their design changes affect their creation as well as the different concepts at play.

### Engineering Challenges

Think your build is the best? Prove it! Our challenges are sure to stir up some friendly competition and have you racing to improve your design in order to be the very best. Some challenges even feature exciting scenarios that'll get everyone fired up!



#### Lab Answer Key Passwords

"Catch the Bug": B18-CH39  
Other Passwords: pascal7

We're always evolving, updating, and adding new content! Check [TeacherGeek.com/Learn](https://www.teachergeek.com/learn) regularly so you don't miss out!





## Videos

Want some TeacherGeek on the big screen? Many of our documents are available online in video form! Build along with us, get the rundown on a lab, or get amped up for a new challenge!



Our videos are high-energy, super engaging, and always bursting at the seams with very high quality humor.

## Searchable

TeacherGeek's activities are standards-aligned (NGSS, Common Core, & ITEEA) to help revolutionize the way you plan lessons. Want help teaching a specific topic? Looking for activities for a certain age range? Want to make without the tools? The activity filter at TeacherGeek.com makes it simple to find the perfect activity for anyone and everyone.

☐ Ages/Grades ☐ Engineering Topics ☒ NGSS ☐ Required Tools ☒ Science Topics

## Customizable

TeacherGeek's activity documents are downloadable directly from our website in both PDF and .docx formats, meaning they can be custom-tailored to meet your specific educational needs.

Best of all... *ooooh!*  
it's all totally **FREE!**  
*wow!!*

## Support

TeacherGeek's curriculum development team is made up of real teachers that are more than happy to help you get the most out of your TeacherGeek experience.

Give us a call at (787) 621-6777 or  
email us at [info@geeopr.com](mailto:info@geeopr.com)

# Components List

Maker  
Cart



The Maker Cart  
+  
TeacherGeek  
Curricula

The  
ULTIMATE  
Solution!



## It's Okay to Show Off!

We'd love to see any pictures and videos of what you've created with your TeacherGeek Maker Cart. Your submissions may even be featured in future TeacherGeek documents!

