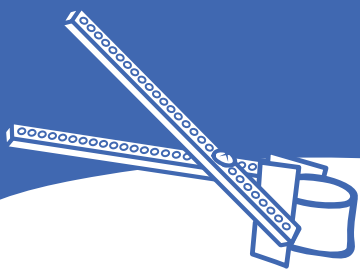


Grab Lab™

Kids Engineering Challenge



Build Guide



Grab Lab™

Kids Engineering Challenge



TeacherGeek Components

For One
Grabber

These are the TeacherGeek components for the example Grabber and extras to turn it into your own unique design.



4 - Connector Strips



2 - Dowels
5cm (2")



2 - Dowels
15cm (6")



2 - Blocks



6 - Screws
25mm (1")



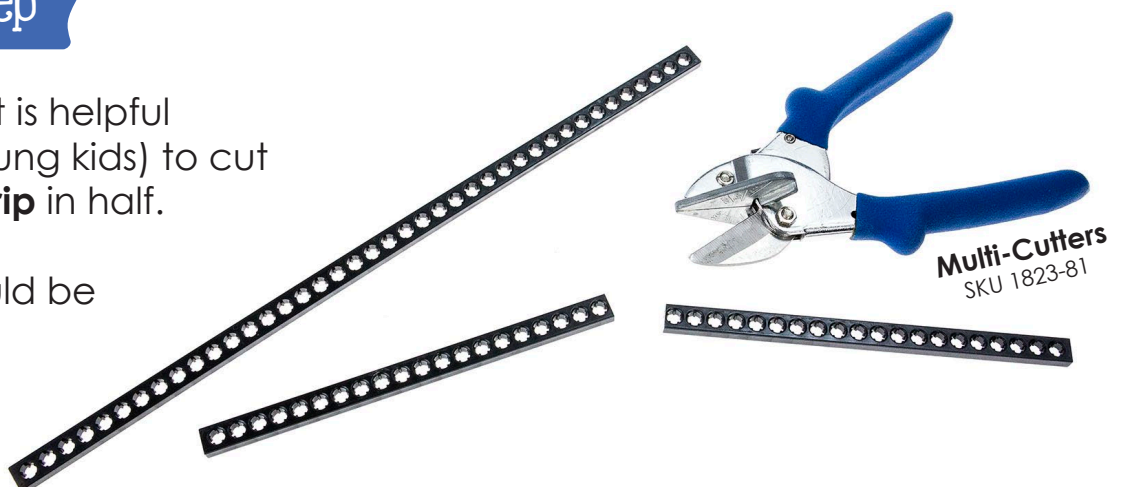
4 - Nuts

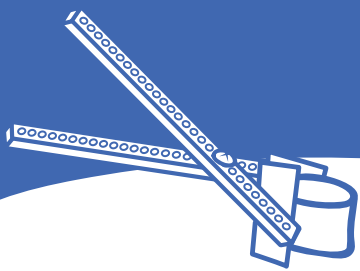
Components are available in the TeacherGeek Grab Lab Activity, TeacherGeek Maker Cart, or at teachergeek.com

Pre-Activity Prep

Before you start, it is helpful (especially for young kids) to cut one **connector strip** in half.

Multi-Cutters should be used by an adult.





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TeacherGeek Tools You'll Need

These are the TeacherGeek components for the example Grabber and extras to turn it into your own unique design.



Screwdriver
SKU 1823-90



Hammer
SKU 1824-41

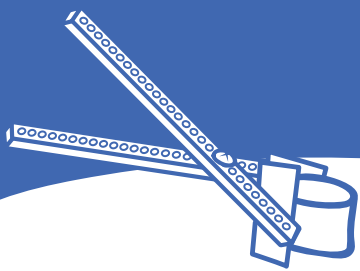
Tools available at teachergeek.com

Materials You Supply

Collect and add recycling materials to your design to help grab.

It is not recommended to use metal, glass or anything with sharp edges.





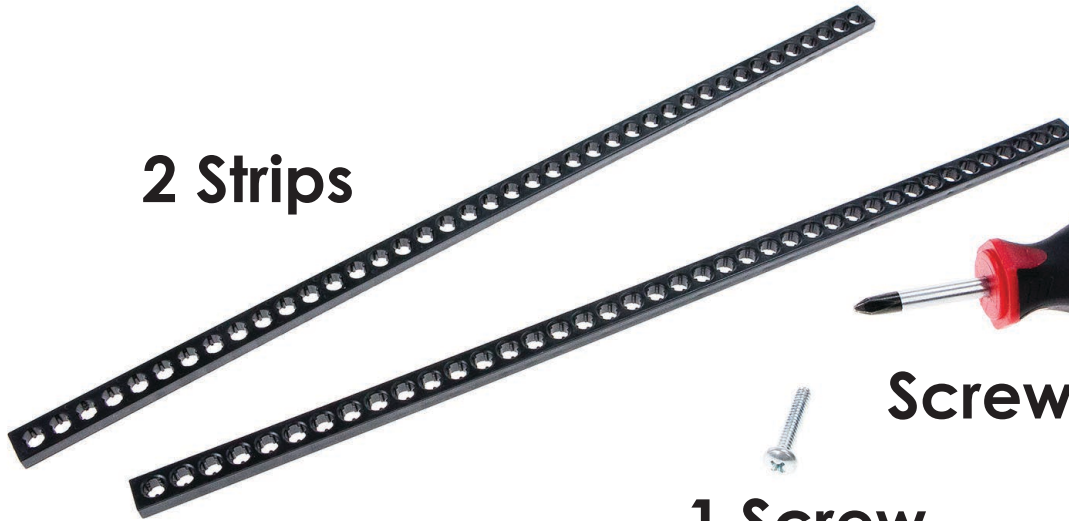
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1 Make a simple grabber.

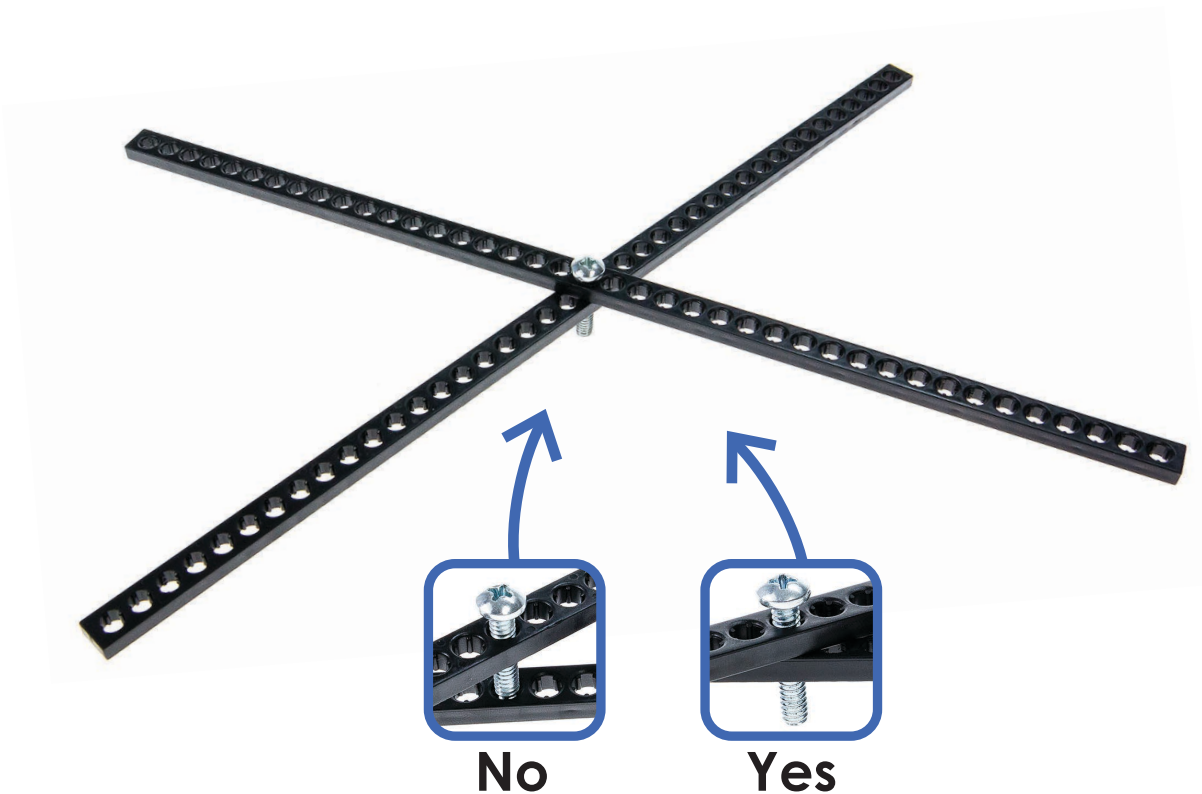
2 Strips



Screwdriver

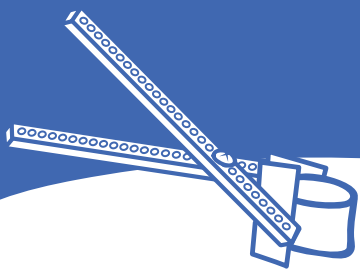


1 Screw



No

Yes

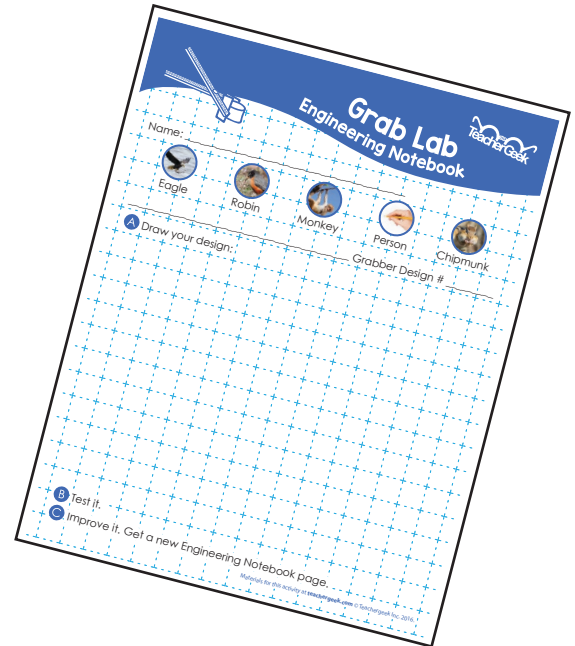


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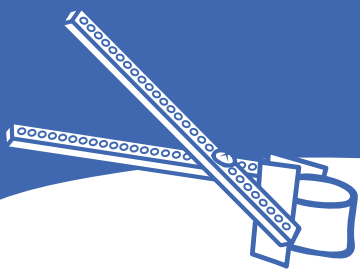
2 Design a better grabber



3 Make it.

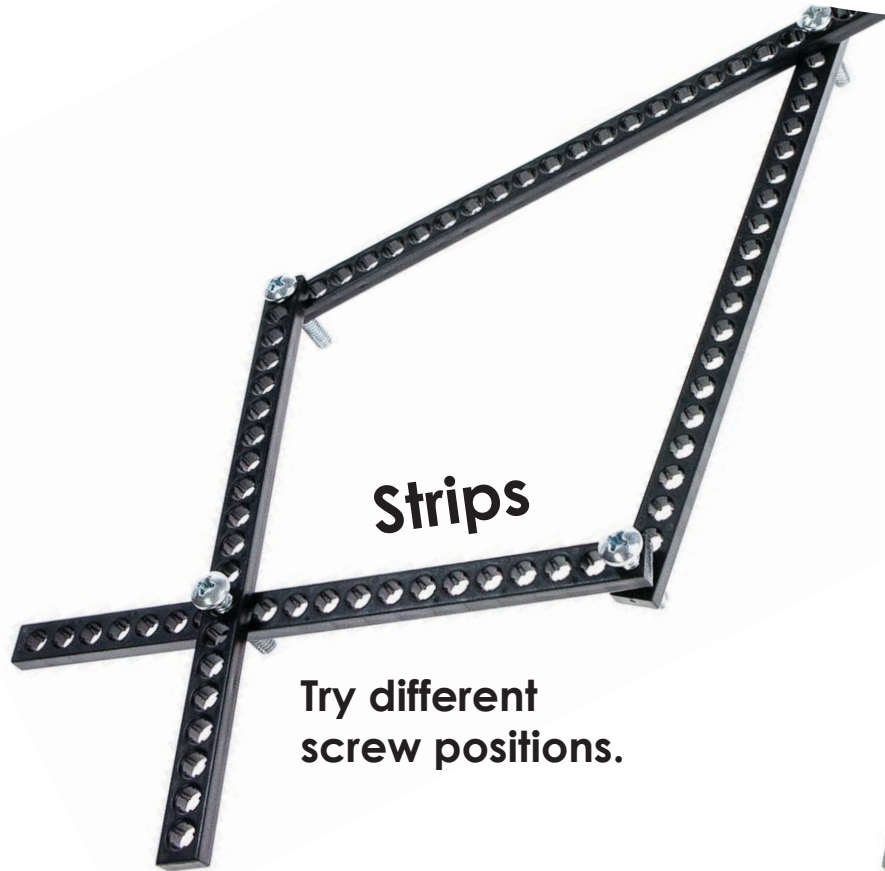
Add things to help it grab.





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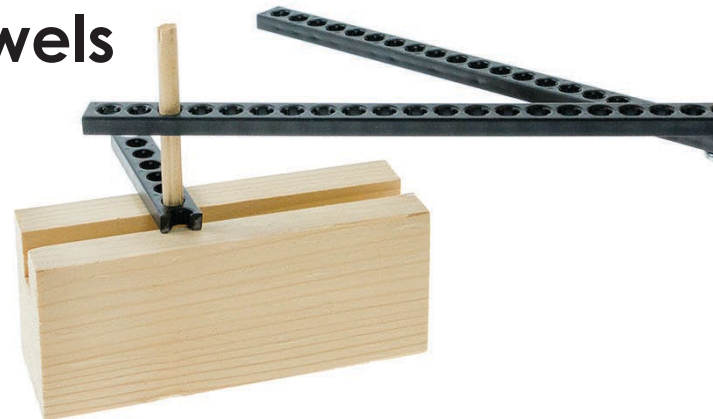


Strips

Try different
screw positions.



Dowels



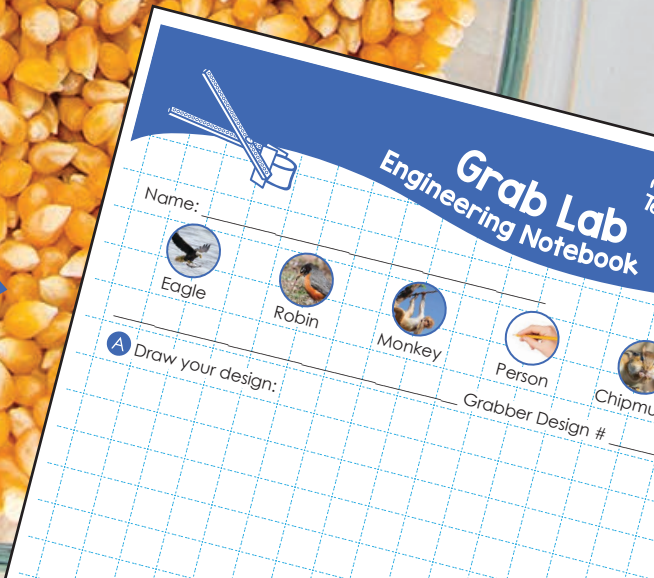
Other Parts

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4 Test it.

**5 Improve it
or, redesign it.**



Grab Lab
Engineering Notebook

Name: _____

Eagle Robin Monkey Person Chipmunk

A Draw your design: _____

Grabber Design # _____