

Busy Bins for \$5 or less

Hook-n-Loop Building Blocks

MATERIALS

- 5/8" diameter hook-and-loop self-adhesive dots (available at dollar stores)
- 3/4" wooden craft sticks/popcicle sticks
- Wooden craft cubes (1 1/2" or less)
- Paint (if desired)
- Printable challenge cards available at: www.STEAMengineOKC.org/freebies-busybins
- Plastic Storage Bin or other tray-like container
- Small binder clips and/or clothespins

*Make sure your hook-and-loop dots are smaller than the surface of the wooden craft sticks and craft cubes

INSTRUCTIONS

- (If desired) Paint the wooden craft sticks and/or wooden craft cubes. Let dry completely before moving on to next step.
- Peel hook-and-loop dots from sheet and place one of each (both hook and loop) on either end of the craft sticks.
- Repeat on wooden craft cubes.
- Complete printable building challenges or make up your own

*Recommend at least one pair of hook-and-loop dots per craft stick and/or craft cube. Add multiple pairs if desired.







CHALLENGE #1:

Build a structure that can support 5 books that are at least 3" thick.

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CHALLENGE #2:

Build a structure that is taller than you.

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CHALLENGE #3:

What can you build using triangles?

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CHALLENGE #4:

Which shapes are stronger, squares or triangles?

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CHALLENGE #5:

Create a bridge that is as long as you are when laying down.

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CHALLENGE #6:

Create an elevated track for a golf ball. How far will it travel before falling off?

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CHALLENGE #7:

Spell your name so that you can pick it up without it falling apart.

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CHALLENGE #8:

Use the building materials to tell a story.

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CHALLENGE #9:

Build a tower as tall as your waist with only one block as the base.

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CHALLENGE #10:

Build an arch to span at least 12 inches. How wide can you go?

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CHALLENGE #11:

Build a 3D shape that you can pick up.

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CHALLENGE #12:

Build a dome that can support the weight of a heavy book.

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