



Join ACM's S.T.E.A.M. Team!

LEGO Bricks and Block Play Challenge!

Plan – Design – Make – Test – Evaluate

This Week's Challenge:

Can you design and create a free-standing structure that represents one of your favorite activities or places to visit?

Even if you don't have LEGO bricks or other blocks at home, you can still complete this challenge using materials around your home that you can stack and use to build.

What you will need:

Any type of building materials will work, and you can choose to use only one type, or any combination of building materials you have; be creative!! Here are a just few ideas:

LEGO bricks	Boxes
Lux Blox	Cans
Wooden blocks	Spools of thread
Blocks of any kind	Crates

Plan & Design:

1. Will you work alone, or collaborate with others to create your course?
2. What type of design will you choose?
3. What materials will you choose?
4. Will you draw your design before building?
5. What will inspire your design?

Create:

Using the materials chosen, build a structure that looks like (or reminds you of) one of your favorite things. Remember, it needs to stand on its own, without leaning against something else, or without anyone holding on to it!

Once constructed, put your design to the test!

Test:

1. Can it stand on its own? If not, why?
2. Do you need to redesign and try again?

Evaluate:

1. Does it look like your plan?
 2. Do you need to make any changes? If so, redesign and try again.
-

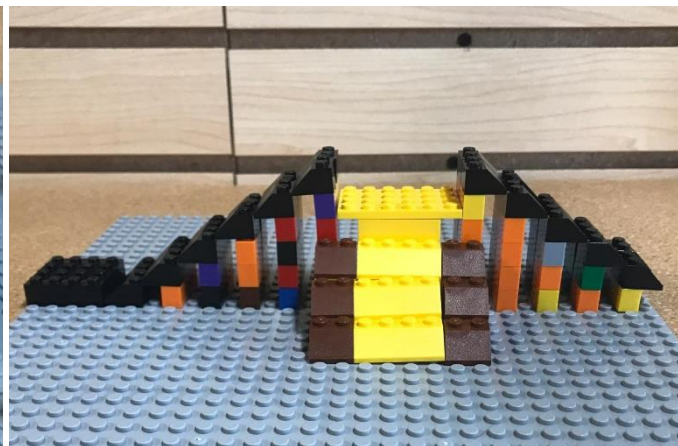
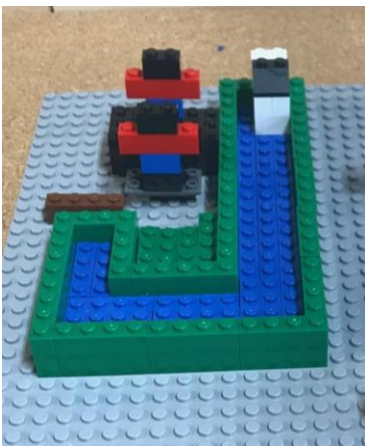
Want to make the design more challenging?

- Can you build something that measures least 12 inches high?
- Can you build something using at least 3 different types of building materials?
- Can you build something that looks like one of your favorite exhibits at the museum? (If you've never been to the museum, check out akronkids.org for some fun videos and photos)
- Check out more LEGO challenges on our website at <https://akronkids.org/hometime> and

KEEP BUILDING!! Here's a sneak peek:



Don't forget to share your photos!!



Next time you're at the museum, make sure to visit our Little Monsters Maker Space!

Want more challenges like this one? Sign up for one of our S.T.E.A.M. Team Saturday Workshops!

<https://akronkids.org/calendar/programs>