



Parkside Montessori LEGO

Horizontal Stretch

Name

Name

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We're going to do a horizontal build challenge today! Your goal is to work in groups of 2 or 3 to build the longest possible structure that fits within the provided vertical base plate and doesn't touch the ground.

The Rules

1. Your build's width and height must fit within the dimensions of the provided vertical base plate
2. Your build may not touch any other surface except for the provided vertical base plate
3. Length will be measured from the base plate to the furthest LEGO piece extending outwards from the plate

Step 1: Design

Work with your teammates to come up with a strategy. What types of LEGO bricks will you use in your design? What techniques will you use to make sure your build doesn't fall apart?

Draw a sketch of your design below:

Step 2: Share

Share your design with a neighboring team. What feedback does your neighbor have for you? Did they point out anything that made you reconsider your approach?

Step 3: Build

Build your design! It's okay if your build doesn't exactly match your design.

Step 4: Reflect

How did your build turn out? What did you learn? What would you do different next time?
