

# Build It! Engineering Fun

## Passport



**Cove School  
Family Math & Science Night**

**Name** \_\_\_\_\_

# **Welcome to the Cove School Family Math & Science Night.**

As you and your family head off on your Building adventure, take this passport to activity tables in the “Planning Room.”

When you think you’ve answered your question, tell the Engineer at the table and have your passport stamped with a sticker!

**Fill up your book!**

**Good luck & Have fun!**

# Welcome to the “Planning Room”.

As you move through the room browse and participate in as many activities as time allows.

Tonight YOU have a chance to think like an Engineer. Engineers are people who use science and math to find solutions to problems people face. When faced with a problem, an engineer will work with others to design a solution, test it and improve it until the problem is solved.

Engineers in the future will develop new technologies to build structures that will be greener and taller! Maybe you will be one of them!

Begin anywhere and enjoy!

## **"Lever #2: Can you lift your parent"**

*I can say what a lever does.*

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## **"Build a bridge out of paper"**

*I can build a bridge out of paper that will bear weight.*

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## **" Tug Push Twist O War"**

*I can name a material that is strong in tension.*

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## **"Battle of the Skyscrapers"**

*I can name the 4 attributes of one sponge block.*

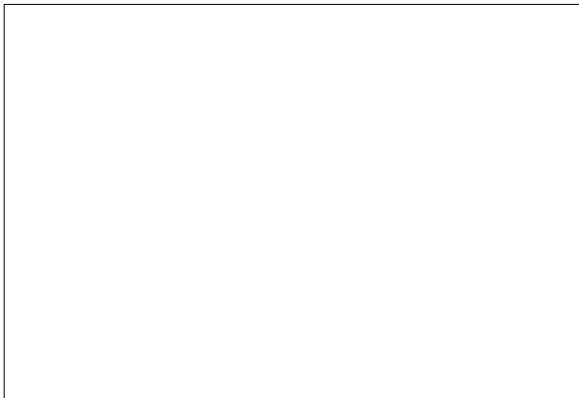
# Welcome to the “Construction Site”.

## Build it! Engineering Design Challenge

The tower we built held \_\_\_\_\_ weights or a total of \_\_\_\_\_ grams.

The tower we built was \_\_\_\_\_ tall.

This is a drawing of our tower.



Thank you for coming to explore with your family this evening. We hope you continue to enjoy the wonder and excitement of math and science together!

Visit our Family Math & Science Night website for more cool activities to do at home.

[www.familymathandscience.org](http://www.familymathandscience.org)

**NOTES:**