

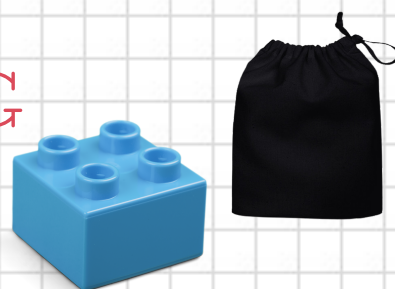


PREPARATION

THEME: TOWERS UP

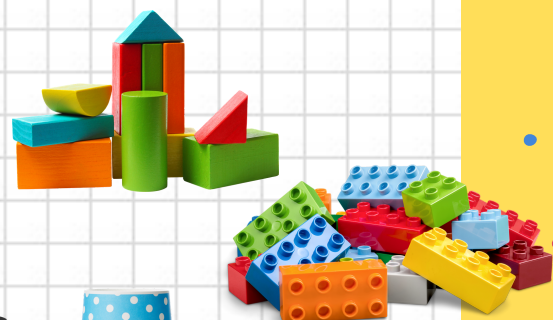
MYSTERY BAG

A BLOCK OR BRICK



EXPLORATION RESOURCES

- BLOCKS AND/OR BRICKS



- PAPER OR PLASTIC CUPS
(OPTIONAL: CARD
SQUARES)



- SHEET OF PAPER

- COCKTAIL STICKS &
PLAYDOUGH



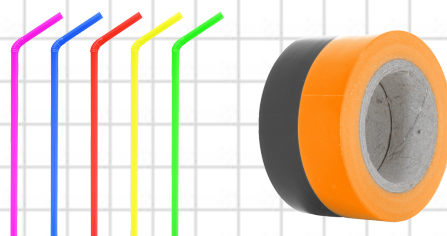
OR

- SPAGHETTI AND MINI
MARSHMALLOWS



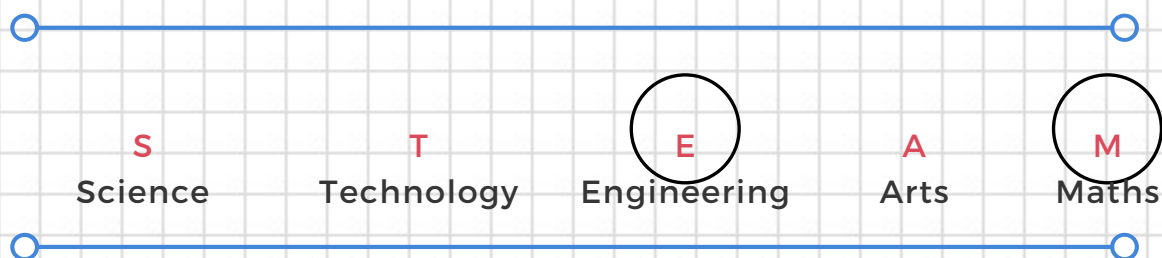
OR

- STRAWS AND TAPE



EXPLORATION

THEME: TOWERS UP



Questions/Ideas:

Blocks/Bricks: Which blocks shall we use at the bottom of our tower? What's the tallest tower you can build? How many blocks can you stack in 2 minutes? Can you make another tower with more? How many more/fewer?

Cup Towers: How should we put the cups for the bottom/foundations of our tower? How can we balance them on top? How many cups high is our tower? How many cups are in the bottom layer/foundations? Let's test it on a windy day/in an earthquake.

Skeleton Towers: Let's start by making a square with our sticks. How can we attach the sides together at the corners? Let's go up from each corner. Let's make another square on top. Where shall we put our next stick? What shapes can you see? Can we build higher?

Other Items: What else can we make a tower out of? How high can we make our tower? What's the best way to make it strong?

Learning:

Engineering: Strong foundations are needed to build a sturdy tower; Shapes can be stacked to build towers; General tower building principles

Maths: Counting; Comparing heights; "More" and "Fewer" / "Less" blocks/cups; Squares - sides, corners

Problem Solving: Improving towers and structures

Fine Motor: Placing items and carefully balancing towers

