



# BRIX & BROOKLYN'S CUP STACKING CHALLENGE

BRIX AND BROOKLYN HAVE THE CHALLENGE FOR YOU! IT'S TIME TO SEE WHO CAN STACK THE CUPS TO MAKE THE TALLEST CHRISTMAS TREE IN THE ROOM!

**RULES:**

- 1) YOU ARE TRYING TO BUILD THE TALLEST FREE STANDING CHRISTMAS TREE.
- 2) YOU MAY ONLY USE THE SUPPLIES PROVIDED.
- 3) YOU DO NOT HAVE TO USE ALL THE SUPPLIES, BUT YOU WILL NOT BE GIVEN EXTRA.
- 4) YOU MAY CUT, TEAR, OR BEND THE SUPPLIES IF YOU FEEL IT WILL HELP YOUR DESIGN.
- 5) YOUR FINAL DESIGN WILL BE TESTED BY SEEING IF YOUR STRUCTURE CAN STAND WITHOUT FALLING OVER AND MEASURED FOR HEIGHT.
- 6) YOUR CONSTRUCTION TIME IS 30 MINUTES. AFTER FINAL MEASUREMENT IS TAKEN, GROUPS WILL HAVE TIME TO MAKE ADJUSTMENTS - FOR A TOTAL OF THREE TESTS - TO IMPROVE THEIR DESIGN AND INCREASE THE HEIGHT IF TIME PERMITS.

## BRIX & BROOKLYN'S CUP STACKING CHALLENGE RECORDING SHEET

ASK QUESTION: CAN YOU USE THE MATERIALS PROVIDED AND CONSTRUCT THE TALLEST "CHRISTMAS TREE" USING THE CUPS?

<p style="text-align: center;"><b>MATERIALS:</b></p> <p>LIST THE MATERIALS YOUR GROUP WILL USE IN THIS CHALLENGE</p>	<p style="text-align: center;"><b>PLANNING:</b></p> <p>DRAW A BLUEPRINT OF YOUR DESIGN</p>
<p style="text-align: center;"><b>TEST</b></p> <p>HEIGHT #1: _____</p> <p>NUMBER OF CUPS: _____</p> <p>HEIGHT #2: _____</p> <p>NUMBER OF CUPS: _____</p> <p>HEIGHT #3: _____</p> <p>NUMBER OF CUPS: _____</p>	<p style="text-align: center;"><b>REFLECT:</b></p> <p>DESCRIBE WHAT WAS THE HARDEST PART OF THIS CHALLENGE AND WHY.</p>
<p style="text-align: center;"><b>REFLECT:</b></p> <p>DESCRIBE WHAT WAS SUCCESSFUL ABOUT THIS CHALLENGE AND WHY.</p>	<p style="text-align: center;"><b>CLOSING:</b></p> <p>HOW DID OR COULD YOU IMPROVE YOUR DESIGN?</p>