



# Summer STEM CHALLENGE

## Building a Marble Maze

Due Date: 9/1/2017

**Have Fun:** You will have a great time making a fun and easy marble maze. The only thing more fun than making it will be playing with it. You can use recycled materials to design and build your Marble Maze. After your have created your maze, practice moving a marble or small ball from one end to the other.

**Challenge:** What is the best way to move a ball successfully through the maze?

**Procedure:** Create a marble maze

- Use a cardboard box top, straws, craft sticks, paper tubes to create your maze
- You can add as many turns and obstacles as you wish
- Practice moving a marble or small ball successfully through your maze

**Materials:**

- A recycled cardboard box (cereal, shoe, copy paper box)
- Straws, craft sticks, Legos, yarn or paper tubes or supplies of your choice to create your maze
- Glue
- Tape
- Scissors



**Submission:**

- Draw or take a picture of your creation and list the materials that you used
- Answer the challenge question
- Also tell what changes you would make to your design and why
- Please submit your drawing/pictures and answer to the challenge question to us by mail to K. Hunt-Noteware STEM Department 25 Ellas Ave. Bath High School Room 444 Bath, NY 14810
- **Please make sure that your submission has your name, school district, grade level and return address included.**