

# ENGINEERING DESIGN PROCESS

## Marble Maze Time Trials

### 1. Title of Experiment

### 2. Hypothesis (How fast can a marble get through your maze)

### 3. Draw a Picture of your Design (Draw the set-up of your experiment.)

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## Marble Maze Time Trials

### 4. Data Collection/Observations (Draw a picture of your completed maze.)

### 5. Results (Record your time trials.)

### 6. Analysis/Answer Questions

Find the average time it took to get the marble through your maze. Add up all 4 of your time trials. Then divide that number by 4. Record this under "Results".

Was your hypothesis correct? Was your average time faster or slower than your hypothesis?

What do you think will happen if you used a bigger marble or ball? Would you still get the same results?