

Curious Kids!

citylibraries



My Marble Run - Challenge Sheet

1

The Challenge for all Curious Kids

- Let's be engineers today. An engineer designs, invents, makes and builds structures and machines like roads, computers, your house, bridges, cars, toys.
- Let's be curious about constructing a marble run on the wall.
- We will invent, design, make, build, test, and improve the marble run.

2

What do we need?

- Recycled tubes, rolls, pool noodles, painter's tape or masking tape
- Balls – different sizes (not small), cars, large pom poms, other rolling toys to send down
- Pens, paper, scissors, sticky tape, glue

3

Explore & Create

- Imagine, plan, design the marble run: How is it going to look? Where will you build it? What will you use? Will objects fit through it?
- Create, try, modify the marble run: Build it on the wall with tape and rolls. Try it. Modify it. Sometimes we need to rethink it, ask for help, or try something new.

4

Question to Ask & Words to Use

- What does it look like? What would happen if ...? How would we make it slower / faster? Why did you...?
- Fast, slow, up, down, engineer, design, plan, build, test, try

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Show & Share

- Play with a friend.
- Show a friend what you can do with the marble run.
- Talk about how you made the marble run and which is the best object to roll down it.