

WTSA January Problem Solving Challenge

Supplies:

1 marble

1 pencil

1 mousetrap

4 regular sheets of paper

1 regular sheet cardstock

12 inches tape

Using only the listed supplies, design a structure that will keep the marble moving as long as possible. Team members may only touch the marble once, to start it on its journey.

The structure must also be placed flat (*team members may not move it around like a handheld marble maze/puzzle maze/perplexus*) for operation.

Team members have 2 hours to design and build the structure, using only the tools in their problem solving kit. Tools may not be part of the solution.

When finished, video the completed structure in operation, upload the video to a platform of your choice, and upload the URL to the link at <https://www.washingtontsa.org/high-school-events/technology-problem-solving>