Home Engineering Assignment:
Shoebox Maze

<u>Assignment:</u> Construct something inside a shoebox that will allow a marble to move from outside any top corner of the shoebox, into the shoebox, and out through any bottom corner in exactly 10 seconds.

- You may have up to 1½" of ramp outside the top corner of the shoebox;
- Once it enters the shoebox, the marble must stay inside it until it exits;
- Once started, you may not touch the shoebox until the marble comes out;
- The shoebox may be oriented any way you want;
- The lid of the shoebox must be closed while the marble is inside the box;
- If you do not have a shoebox, you may use any other cardboard box that is similar in size as long as you can close the lid while the marble is running through the maze;
- You may use any other materials you wish to construct your maze.