The Quantum Potentials

# Harvard-Westlake Middle School

## Team 7155

**Autonomous**

During Autonomous, the robot will drive off of the ramp and score in the medium sized rolling goal, before heading to the parking zone, scoring a total of 70 points.

**Tele-Op**

The robot uses a rapidly rotating flap to shoot balls vertically, and uses a curved piece of Lexan to redirect the balls into a tube hooked on to the back of the robot. This process occurs while the robot is moving, causing the design to be able to rapidly score points during tele-op.

*Scoring*

|  |  |
| --- | --- |
| 30 cm | Reliable |
| 60 cm | Reliable |
| 90 cm | Reliable |
| Center Goal | Reliable |

**Endgame**

The robot utilizes its hooks to bring goals to the parking zones. It also attempts to score in the center goal with the lift.

