

SJD_Maze_Find Maze Specifications

The goal of the maze construction was to make a simple, compact, lightweight maze with a minimum $6\frac{3}{4}$ " corridors and 4" walls. The base and the walls of the maze were constructed from $\sim 3/16$ " white foam board (available from local office supply retailer). The total base dimensions of the maze are $28\frac{1}{4}$ " long and $21\frac{1}{4}$ " wide (the extra $\frac{1}{4}$ " is to compensate for the thickness of the foam board while keeping the corridors a minimum of $6\frac{3}{4}$ " wide). The walls are exactly 4" high and the width of the maze is $\sim 6\frac{3}{4}$ " as designed. The centerline was made from black electrical tape that was cut to $\sim 7/16$ ". The START and END markers are oriented as shown and constructed from electrical tape. Note that the START marker must have the extra extension to the right of the centerline as Sparki approaches the marker. The opposite is true for the END marker – the extra extension is to the left as Sparki approaches the marker. These orientations must be correct in order for Sparki to properly detect the START and END of the maze.

