

How to Make a Medal

Savage Soccer GDC

2011-10-13 Thu

Remember to be safe!

1. Obtain materials:
 - Tennis Balls
 - Quarter Inch Rope
 - Lighter
 - Drill
 - Spray Paint
2. (optional) Paint tennis ball desired color
3. Carefully drill a 11/32 diameter hole in the tennis ball in the center of the "U"

NOTE: You should use a 2" segment of a 2.5"ID pipe as a jig to prevent the ball from rolling around

4. Flip tennis ball over and make a slot from on seam to the other

Do this very carefully!

5. Pinch tennis ball so slot opens and shake out chips from drilling
6. Repeat steps 2 through 5 for a second tennis ball
7. Cut 18" of 1/4" rope.
8. Fuse the ends of the rope to prevent fraying.
9. Feed rope through the hole and through the slot of one tennis ball

10. Tie a double knot as close to the end as possible
11. Pull rope so that knot is inside the tennis ball
12. Repeat steps 9-11 for the other end of the rope with the other tennis ball

13 tennis balls in opposite directions to check knot strength

1. Measure length of rope between tennis balls making sure it is $8 \pm \frac{1}{2}$ "
2. If it is not: undo one knot and re-tie it so it is more likely to be 8"
3. Repeat steps 13-15 until it is of regulation size. This may take a while to get right. Make sure your robot can operate within the entire half inch variation, possibly more as wear and tear happens.
4. Repeat indefinitely... or until you have enough medals for your purposes
5. Hope you had as much fun as we did making 120+!