

CHALLENGES BY MARTY

Score a Goal: Guide


1 Build a Football Net

- What materials should our net be made of? Cardboard? PlayDoh? Paper?
- What shape should the net be?

2 Select a Ball

- What material should the ball be made of? Playdoh? Paper?
- What size of ball will work best? Table tennis ball? Golf ball?

3 Kicking the Ball

- How could you recreate a kick action without using the *kick* block?

- What foot should we kick with?

4 Next Steps

- Experiment with using different kinds of balls to score a goal with. Does Marty kick the ball better if it is a certain material? If it is a bigger or smaller ball?
- Does Marty kick the ball better when the foot comes into contact with the ball at different angles? Does walking in from the side create a better goal?
- Can you extend your program in Python to track the ball using the OpenCV library?