

Name: _____ Date: _____

Team Freeze Tag: Lesson 2 Challenge - Check Your Understanding

Challenge Questions

1. Which of the following best describes how to play the Figure Eight Challenge?
 - a. Place your robot between the obstacles, drive around the space in any pattern for 30 seconds. The most intricate driver pattern wins!
 - b. Place your robot beside one of the obstacles, select your preferred driver configuration, then drive in a figure eight around the obstacles, without touching the obstacles or going out of the space. Fastest time wins!
 - c. Place two robots on either side of the obstacles, drive in figure eights without crashing into one another, touching an obstacle, or going out of the challenge space. Fastest time wins!
 - d. Place your robot anywhere in the challenge space, and drive in a figure eight pattern two times - once with your 'best' driver configuration, and once with your 'worst,' without touching the obstacles or going outside the challenge space. Average the two times together, and the fastest wins!
2. What happens if you touch an obstacle or or go out of the challenge space while playing the Figure Eight Challenge?
 - a. You have to start over, and the time continues to run while you reset and restart
 - b. You get extra points
 - c. You can remove an obstacle once it is touched
 - d. You win the challenge
3. How do you win in the Challenge Activity?
 - a. You touch both obstacles
 - b. You drive in a square around only one obstacle
 - c. You complete the course in the fastest amount of time
 - d. You drive out of the challenge space