

# robo expo!

## Relay Race

Send a team from your school to participate in a relay race against other school teams. Each school team will have 3 vehicles. Each vehicle will run 1 leg of the race. The first robot starts the race and stops to “pass on the baton” or signal to the second robot to start running in the race. The second robot gets the signal and races along. It stops and passes the “baton” or signals to the third robot awaiting communication from the preceding robot. Once it gets its signal, it completes the last leg of the race. When it reaches the finish line, it should play a victory song!

### Rules:

- Each team should consist of 3 robotic vehicles.
- Each robot must “run” one leg of the race.
- Each robot must give a signal to the awaiting robotic vehicle so it can start its leg of the race. Communication may be an IR signal or a “tap” from a touch sensor, or from any other sensor.
- All robots must complete their section of the course.
- When the last robot reaches the finish line it should play a victory song.

### How to recreate a practice course:

The race will be a straight course on butcher block paper. Each leg will be about 5 feet long and marked by a black line.