Pretend the tile lines on the floor represent an intersection in a road.

Place a red block on the floor to indicate a stop sign (if it doesn’t work well with Red, try another color if need be).

Have the following rules:

• If an object is close to front of the car (you can use the Ultrasonic or IR sensor for depth) have the car stop. Adjust this, so that the stop sign doesn’t cause the depth sensor to see the stop sign.

• If close to the stop sign (use the color sensor). Stop moving for 2 seconds.
  o Using the color sensor, test that the robot stops at the intersection line, like a car would (do not cross into the intersection yet).
  o You might need to adjust things in your program so that the robot doesn’t get stuck at a stop sign, because it will see the sign, stop, and still see it.

• Otherwise move forward

Try seeing if your car can cross the street (have only 1 stop sign on the road, as if it was a 1 way street).

Try seeing how it will work with:

• 2 cars on the road (going the same direction)
• A person or car in the intersection
• Try with more than one intersection and add multiple cars