Challenge #2

**Challenge A**

You need to program the robot to….

* + Make our car drive **forward**
  + Make sure the car **stops** when it is 20cm away from the wall

Teachers signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Challenge B**

You need to program the robot to….

* + Make our car drive **forward**
  + When the car is 20cm or less away from a wall it needs to:
    - **Reverse** for 10cm
    - **Turn** 90 degrees
    - Continue to drive **forward**
  + This program needs to keep running until the user **stops** the program
* Teachers Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_