

Name: \_\_\_\_\_

Date: \_\_\_\_\_



Get in groups and discuss how you will construct your gate. Think that what you need to do is to make a gate that opens when a vehicle approaches and close when it leaves. Do your designs below and then try to construct it.

### Design Phase

Then code it, so the gate opens and closes with time.

[Improvement] Try to code it so the gate closes with the sensor. What changes did you do?



If you have time, insert a variable to the system, that counts the vehicle that pass through the tolls.