



**STEM** education   
— LLC —

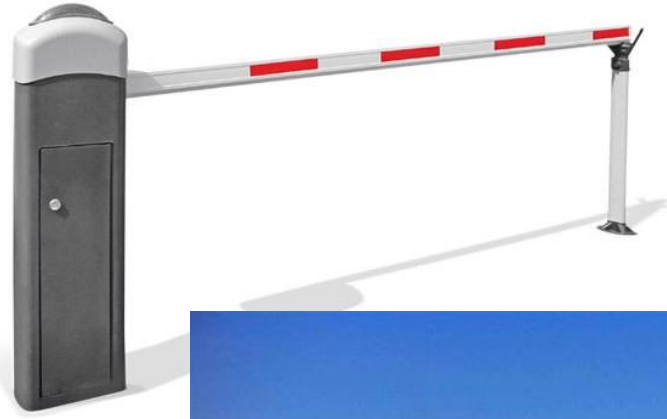
## Automation Engineers



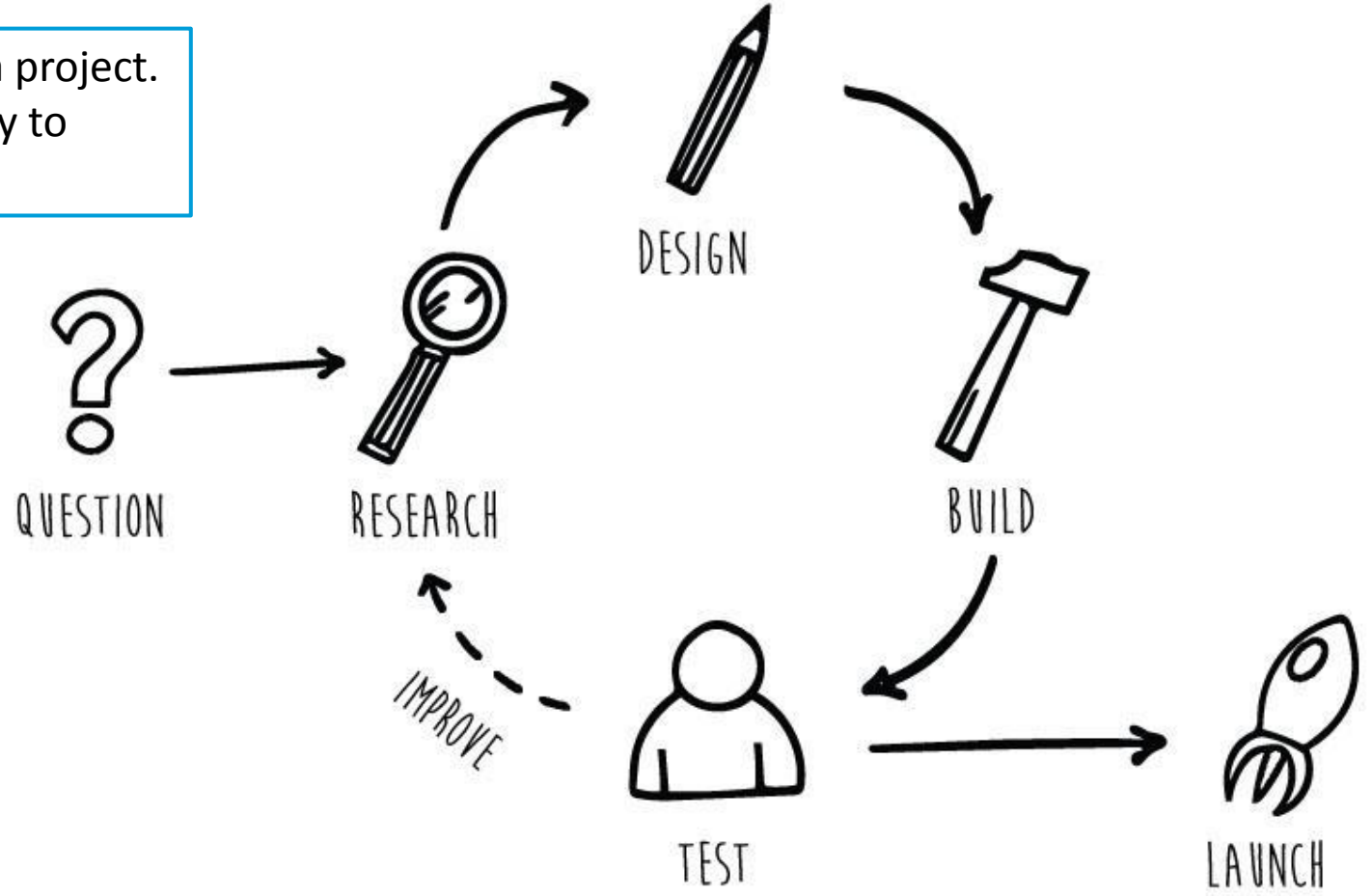
Today we have an open lesson



Our topic is a toll gate. Let's see some pictures for inspiration!



Today, we will talk about how to create a project. Talk about the stages of a project, and try to find them out in your project!



Get into groups and discuss about how you will build your gate.  
The purpose is that it needs to open when a vehicle approaches and when it goes away it closes.



When you finish your build, program the gate to open and close using time.



Try to program the gate to close using the sensor.



If you have time, try to make a variable that counts the number of cars that pass through the tolls.

*When you finish your worksheet,  
disassemble your built and  
put every piece in its right place.*

