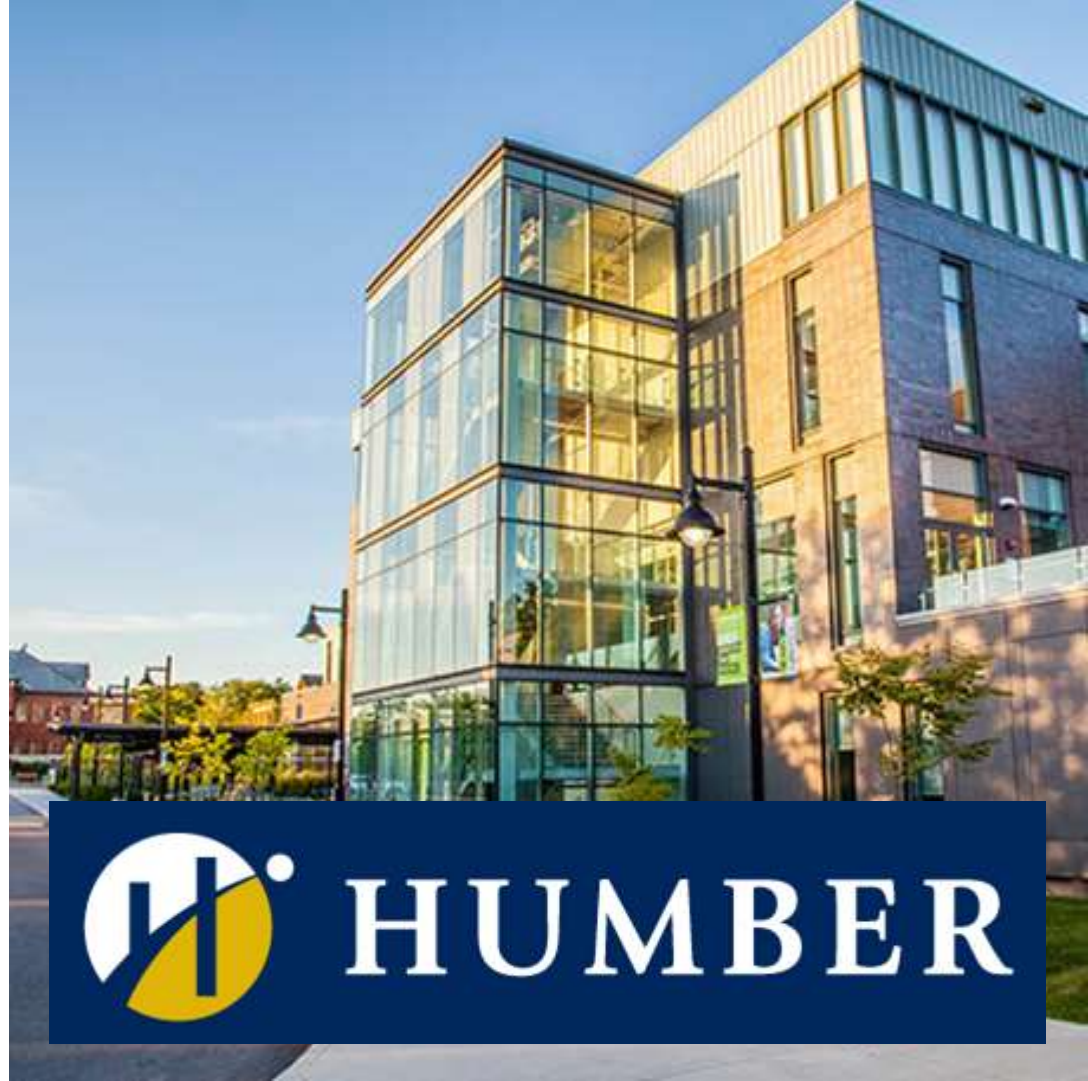


Crime Lab Truck

Group Members:

Rutisha Patel, Anant Chauhan, Neelima Akoju



HUMBER

Police Mobile Crime Lab Truck

Police Mobile Crime Lab Truck

City Mobile Crime Truck
Set #60418



Module Description

Whenever a crime is in the city and alerted, our Police Mobile Crime Lab Truck will receive the location and navigate there.



Sensors and Motors

The 4 outputs will be attached to an EV3 brain.

The truck will need a small motor to move the wheels and a GPS module to interact with the alert location.

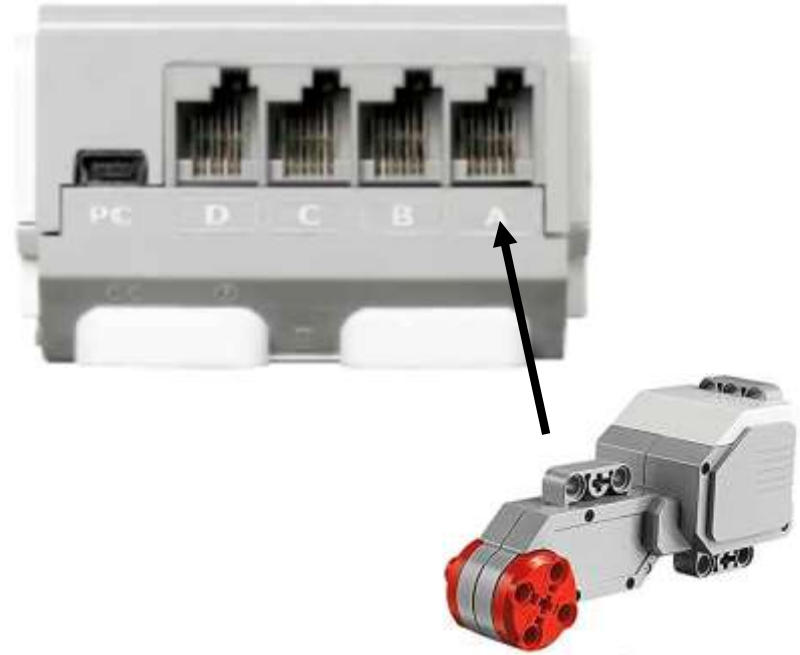
The truck will need a distance sensor to detect obstructions.

Additionally, it will also need LED lights turning ON and OFF as well as audio outputs to simulate a siren.



Ports

Crime Truck will require two output ports on an EV3 hub to connect a motor and LED lights.



Variables/Settings

Status: Can be set to "on" or "off". When there a alert in the city.

```
1 {  
2   "status": "ON"  
3 }  
4
```

IOT Loop

While True

 If status == "ON"

 Start motor and Light

 Go to the alert location using the GPS

 Stop motor and light

 else status == "OFF"

 Stop motor and light

