Idea Sheet

Stop the Spread: Develop a robot to keep people healthy!

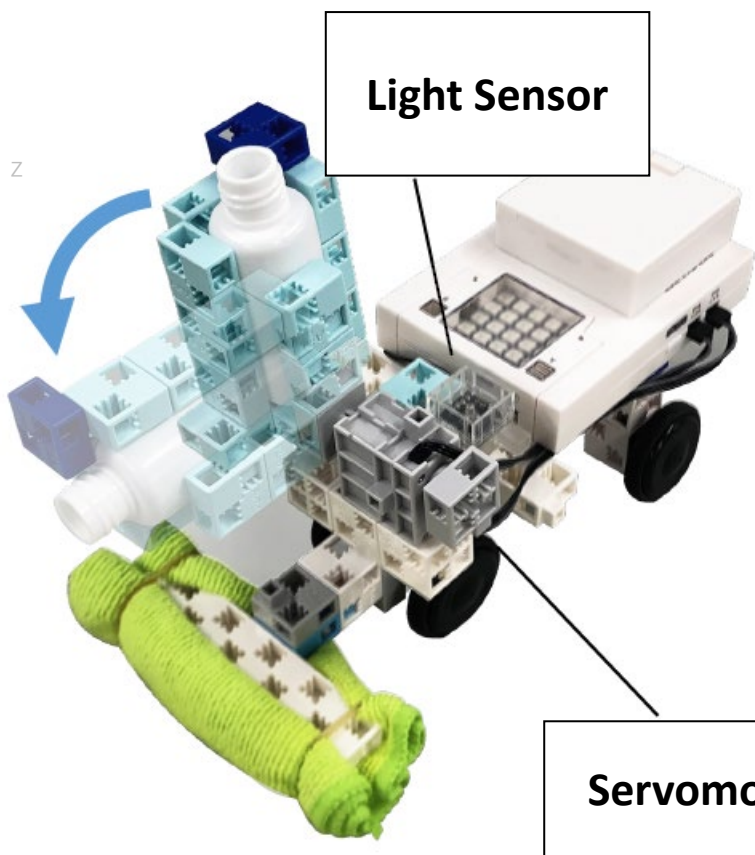| Your Robot	Name	**Tom Artec**	Grade	**5**

Clean while no one's around! Automated Disinfecting Robot

Paste picture or programs for your idea here

Light Sensor

Servomotor

1. Where do you use it?

At offices and public places.

2. What does it help you do?

It cleans and disinfects when no one is around.

3. How do you use it?

It won't work when it's light out, but if you press the A button it will start working when it gets dark.

It uses its Servomotor to pour alcohol from the bottle onto the floor then uses its towel to wipe the floor down. It starts by driving straight then turns to make sure it cleans up the whole floor.

4. What inspired you to make this robot?

I thought that it's really easy to keep your hands clean but it's hard to disinfect floors and tables by yourself.

Since it's hard to clean when it's light out and people are in the room, I used a Light Sensor to make it run when it gets dark out.

5. What part of your idea did you put the most work into?

I made sure that it soaks up all of the alcohol from the floor by programming it to drive over the alcohol over and over again.