Medicine Helper

Class: 6A

School: Internationella Engelska Skolan Krokslätt, Göteborg, Sweden.

Project Name: Medicine Helper

1) Cover page -

   Medicine Helper

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2) Idea description -

   The idea is to program a robot to remind elderly to take their medicine in their homes. There are already robots who do this but mine works a bit differently by being a robot on wheels who go to the elderly and remind them instead of having the pills with it.3

3) Target group -

   - Health / Medical care
   - Elderly care

4) Design -

   It will be around 1 meter tall, will go on wheels and it will feel the things in front of it so that it can turn around or go around the object in front of it instead of crashing into it. When you get it, you can install the times when you should take your medicine and then when it's time to take it, the

robot will come to you and remind you that you need to take your medicine. To let the robot know where you are, you can have a small GPS-tracker that the robot can feel. The robot will live inside homes of elderly.

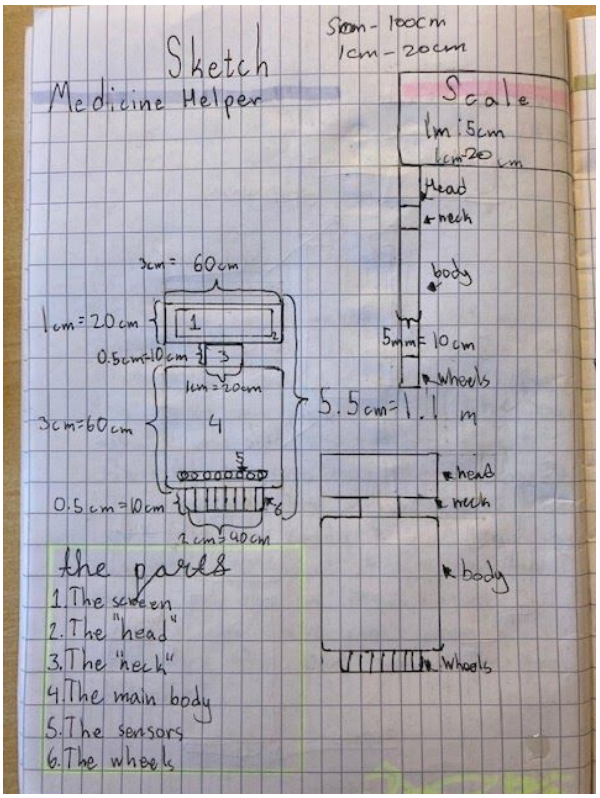
The robot will have a rechargeable battery, wheels on the bottom that are made of rubber, the body will be made out of hard but light plastic, it will have a screen that looks like an iPad and small speakers.

5) Threats and opportunities -

The dangers can be that maybe something is programmed wrong which can include in the robot doing something wrong and maybe hurt someone. Especially if you replace soldiers with robot soldiers or replace manual cars with self driving cars. The positive effects can be that for example robots can do work that is dangerous for humans. For example if a dangerous animal is loose, then a robot could catch it and be fine while for humans, we could get hurt.

6) Sketches

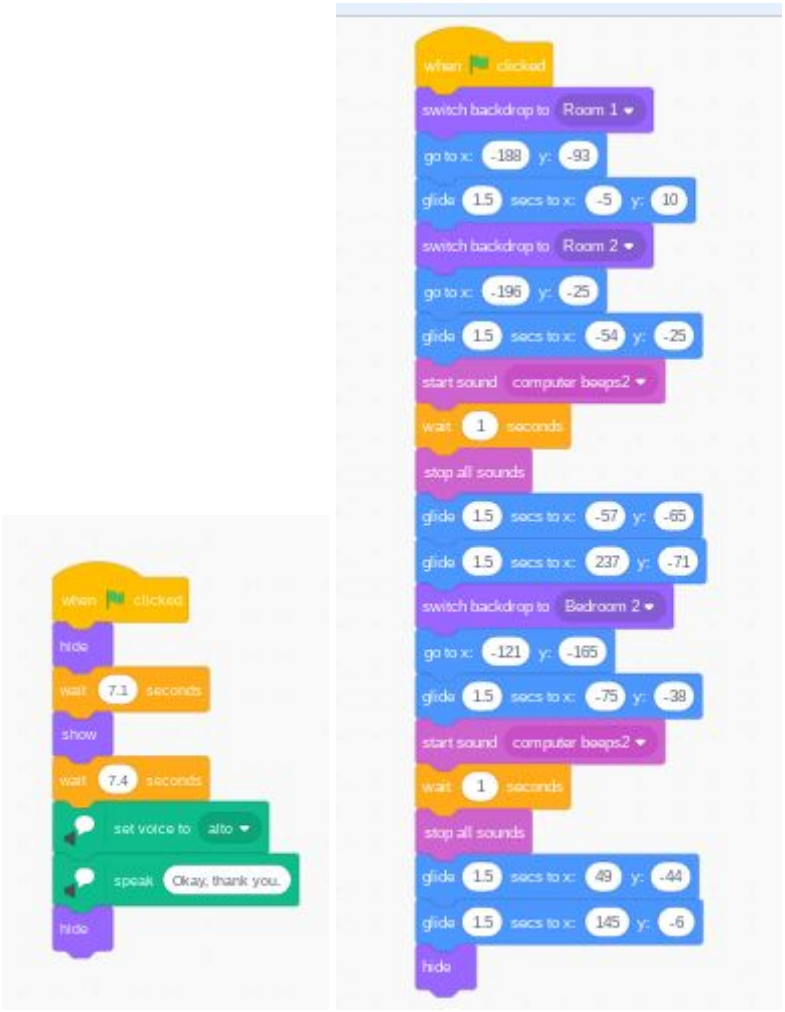
I did the sketch in my notebook.



7) Flowchart

[Scratch - Animation Showing How My Robot Would Work]

Five sprites



8) Logbook - I used popsicle sticks and fabric as materials. Then I cut them into the right length and used a glue gun to stick them together. I cut them in scale and measured them out so that it became a smaller version of it. On the wheels I cut out black fabric to make it look like rubber.