## **BASIC MATERIALS NEEDED** SCRIBBLING ROBOT punnets, plastic or paper boxes, plastic or paper glasses markers, crayons, chalks pipe cleaners DC motors AA batteries tape wire cutters rubber bands glue sticks pencil nubs corks ADDITIONAL MATERIALS on/off switch light-sensitive cells sound sensors

## MAKE IT GO!

## MAKE YOUR ROBOT, THEN FOLLOW THE INSTRUCTIONS BELOW TO MAKE IT GO

- 1. Use wire cutters to strip the end of your motor's wires, exposing 6.35 mm of bare wire;
- 2. Wrap a rubber band around the battery, then tape it and the motor to your scribbling machine and place your 'bot on a big expanse of white paper;
- 3. Insert the motor's wires between the battery and the rubber band, making sure the positive and negative leads touch the positive and negative contacts on the battery, respectively
- 4. OPTIONAL: adjust your components to create different designs and add details (eyes, hands, hair, .....)