

Activity Title: The Drawing Robot by Barbara Trivelli from Italy

Theme: Robots

Month: November

Aim: Learning how to build a robot and make it draw: crafting activity, abstract art.

Resources/Materials needed: Paper cap, felt tip pens, rubber band, vibrating object (such as a toothbrush) or battery and cables and motor, scotch tape, recycled materials

Subject **Arts (and technology)**
Activity

- Step 1. Discuss with pupils on how Robots can help us to create art
- Step 2. Present children a simple motor and all the other materials
- Step 3. Brainstorming: how can we build a drawing robot?
- Step 4: Build the Robot
- Step 5. Let the robot draw
- Step 6. Test the robot on different surfaces or levels
- Step 7. Evaluation: Did the robot draw? What kind of drawings did it make?
Could we control the movement? Why?

These are the links for a short example of this activity:

<https://www.youtube.com/watch?v=YeJjv02xiP8>

<https://youtu.be/DYmgvr0htqM>

