

Activity Title: The Moving Robot by Charmaine Attard from Malta



Theme: Robots

Month: November

Aim: Making a Robot with blocks that moves from Point A to Point B while using coding vocabulary such as forward, backwards, left and right.

Resources/Materials needed: Blocks (any type as long as students can make them move), Interactive Board or Tablet, Cameras/video cameras for recording.

Activity:

Step 1: Introduction: Read/Listen to the story “NO-BOT: The Robot with no Bottom” by Sue Hendra (link to story here <https://www.youtube.com/watch?v=WEwhYANq7y8>) and discuss how the robot was able to move from one place to another.

Step 2: Present children with your blocks all jumbled up. Ask children questions on how they would build a robot and provide students with a tablet or interactive board to draw and design their robots.

Step 3: Using blocks (such as Lego) let them make a robot that can move from Point A to Point B

Step 4: Build simple mazes using other blocks to make the robot move from Point A to Point B and encourage students to use vocabulary such as forward, backwards, left, right (in any language that is comfortable for them).

Step 5: Let students use cameras to take pictures or record videos of their moving robots.

Step 6: Evaluate the robots done. What went right, wrong and how it can be improved.

This is the link for a short example of this activity:

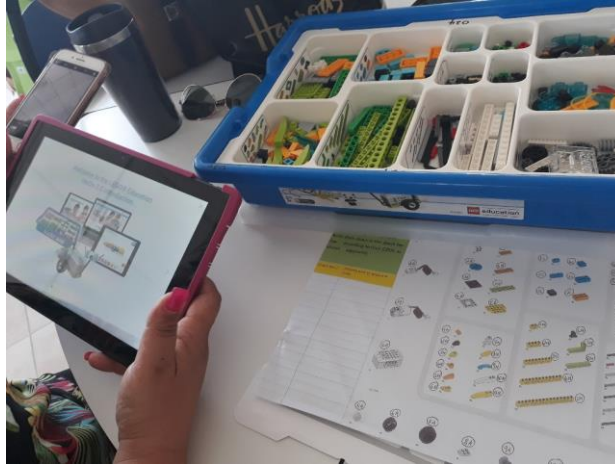
<https://youtu.be/cony-4ZYz7Q>



Extra Material:

You can use Lego we do:

<https://www.youtube.com/watch?v=TO2jaCrUrMg>



Make a Robot Online:

You can design a robot on the site https://www.abcya.com/games/make_a_robot