

Activity 3 – Draw your electrical circuit and plan your robot design

You need to draw your circuit that consist of the following: 在您的工作表上，您需要绘制包含以下内容的电路：

- One motor, with weight on shaft / 一台电机，轴上有重量
- Switch / 转变
- Two batteries / 两节电池

Plan and make a sketch of the appearance of your robot. Once everything is complete you can show your teacher to receive components. / 计划并绘制机器人外观的草图。一切都完成后，您可以向您的老师展示接收组件。



Name: _____ Surname: _____

Grade: _____ Form: _____

Scribble Robot

Learning Objective / 学习目标

Level 1: Learn the basics of robot and electric circuits/ 第1级:学习机器人和电路的基础知识

Level 2: Create a basic circuit by making a drawing robot / 第2级:通过制作绘图机器人创建基本电路

Level 3: Complete added challenges / 第3级： 完成附加挑战

Learning outcome /学习成果

To complete the Worksheet and build and decorate a drawing robot / 完成工作表并建造和装饰绘图机器人

Activity 1 (10 minutes)

1. Do you think robots are useful? Give reasons for your answer why you agree or disagree. 你觉得机器人有用吗？ 给出你同意或不同意的答案的理由。


2. If you can build any robot what will the function of the robot be? 如果你能做一个机器人， 你希望他有什么功能


3. Lot of research focus on AI (Artificial Intelligence) do you think it is good that robots can think for themselves, why or why not? 很多研究都集中在 AI（人工智能）上， 你认为机器人可以自己思考是件好事， 为什么或为什么不呢？

Activity 2 (10 minutes)


Match the correct electrical circuit symbols / 匹配正确的电路符号


A







B







C







D





E





Why is electrical circuit and symbols important?