

自由泳机器人

1. 学习目标

这节课我们主要使用 micro:bit 和 Super:bit 扩展板控制积木电机转动。

2. 编程方式

方式一在线编程：首先将 micro:bit 通过 USB 连接电脑，电脑会弹出一个 U 盘，点击 U 盘里的网址：<http://microbit.org/>进入编程界面。添加亚博智能软件包 <https://github.com/lzty634158/SuperBit>，即可进行编程。

方式二离线编程：打开离线编程软件，进入编程界面，点击新建，添加亚博智能软件包 <https://github.com/lzty634158/SuperBit>，即可进行编程。

3. 寻找积木

以下为本次编程所需积木块的位置。



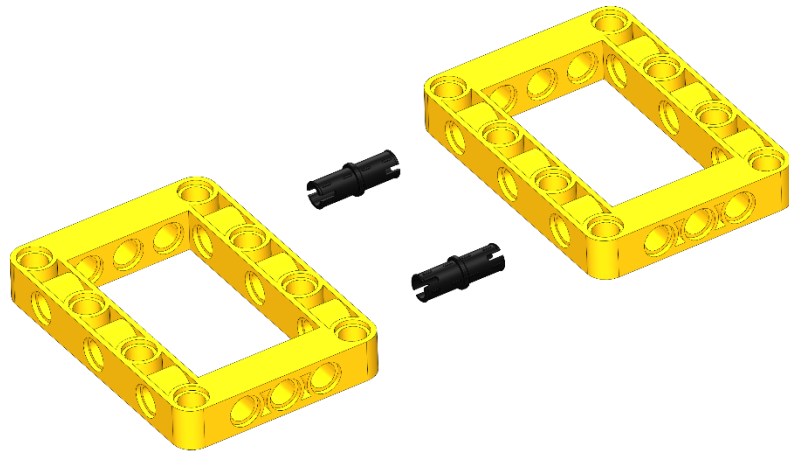


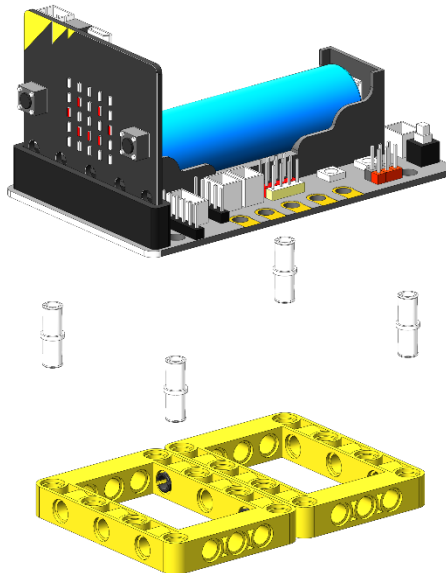
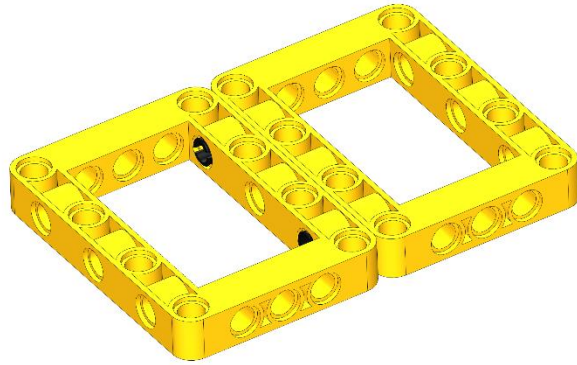
4. 组合积木

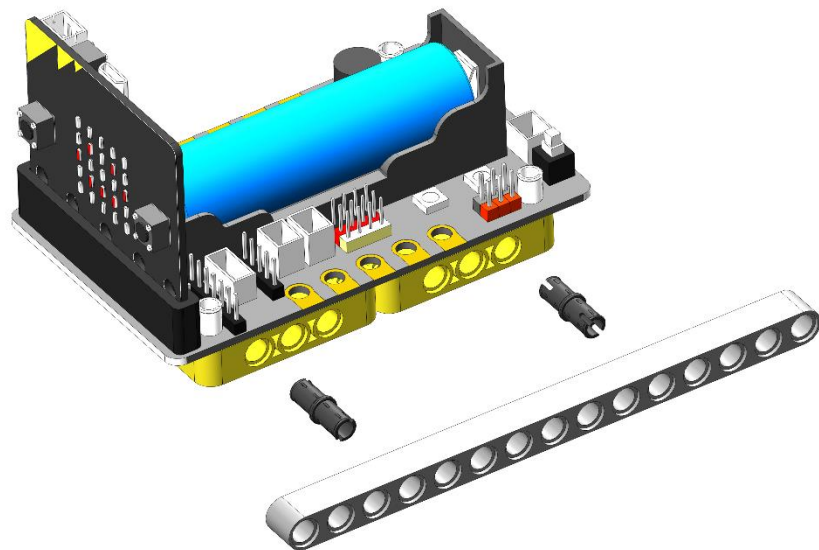
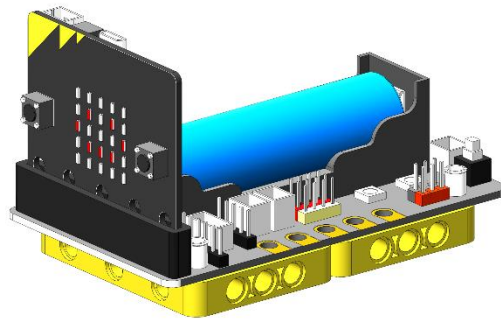
汇总程序如下图所示：

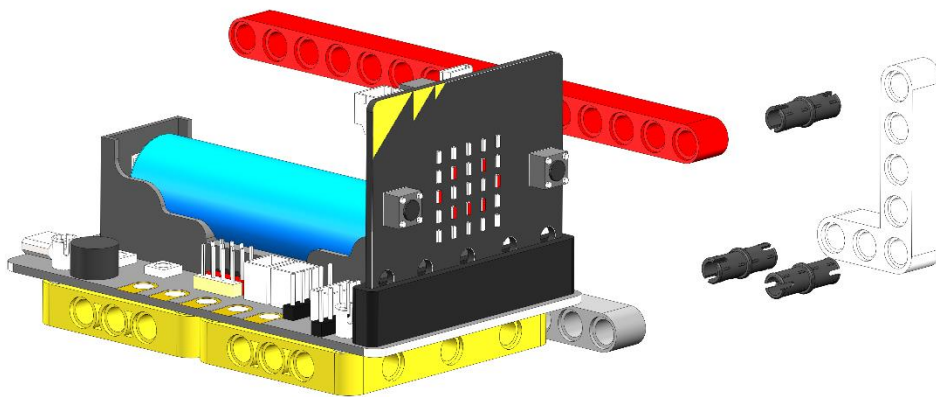
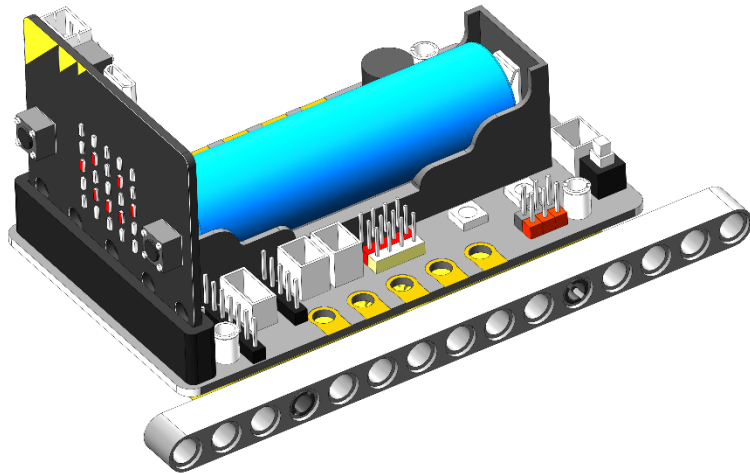


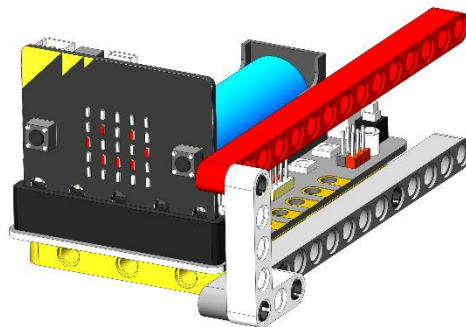
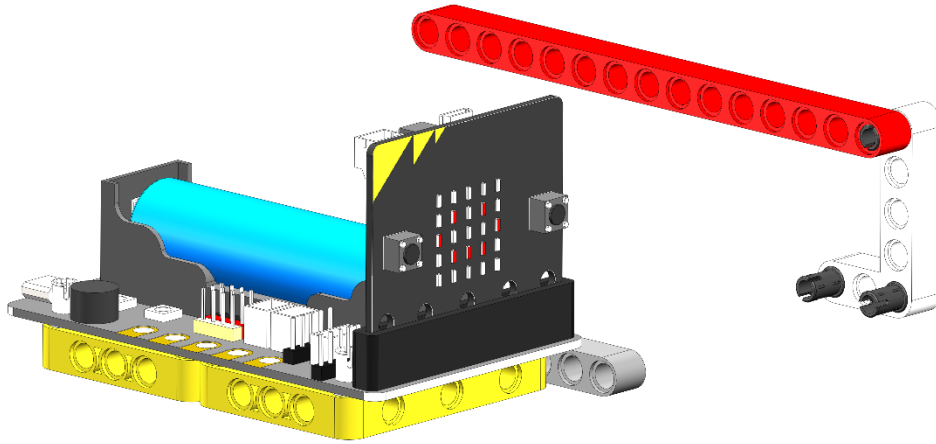
5. 积木搭建

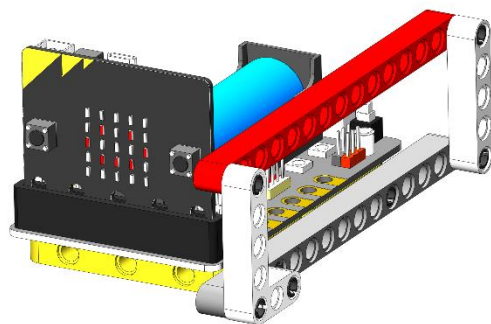
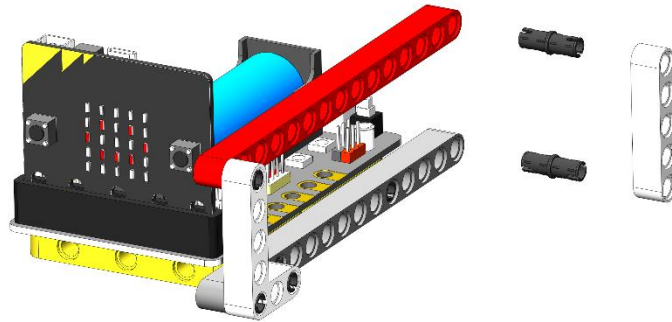


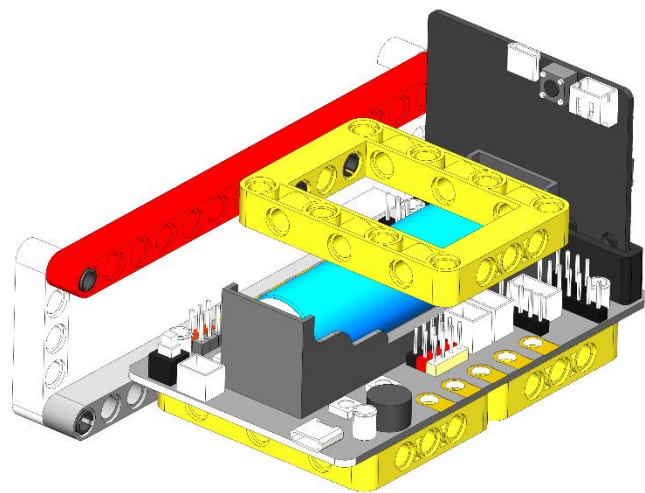
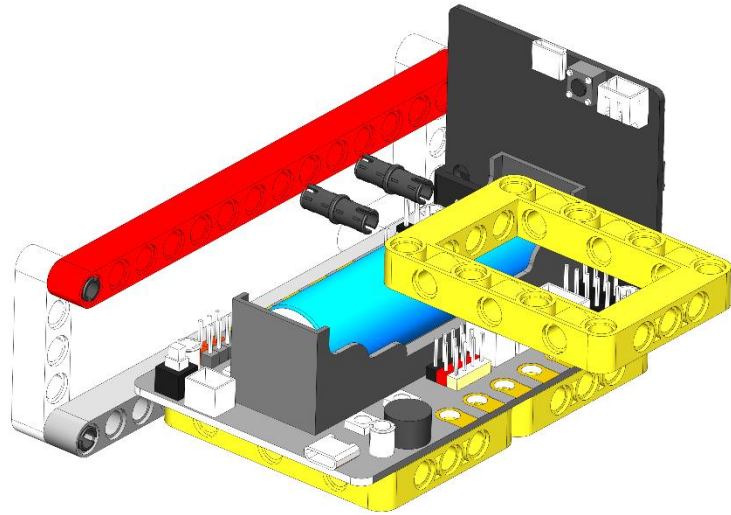


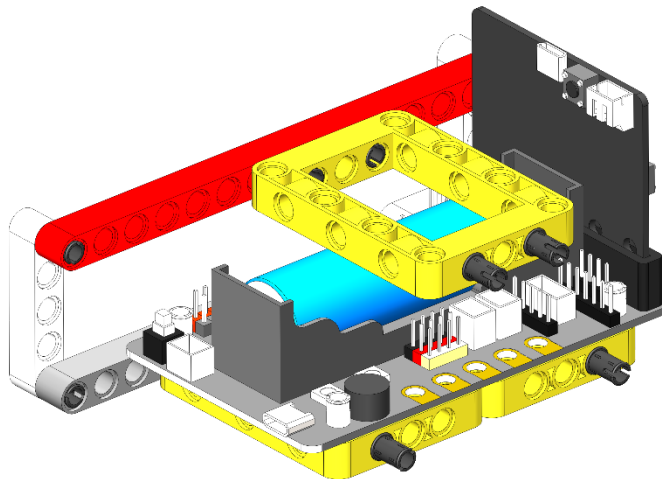
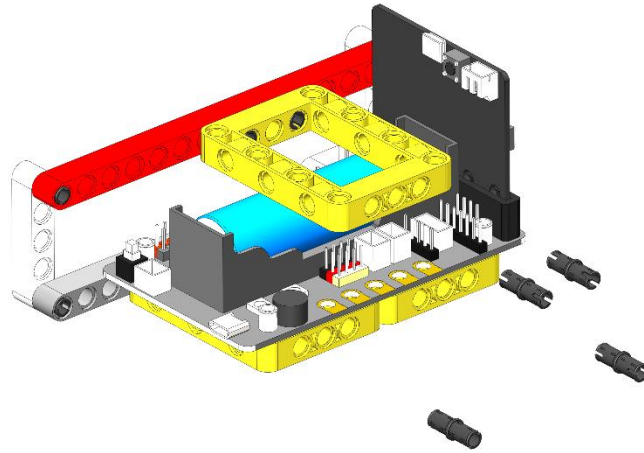


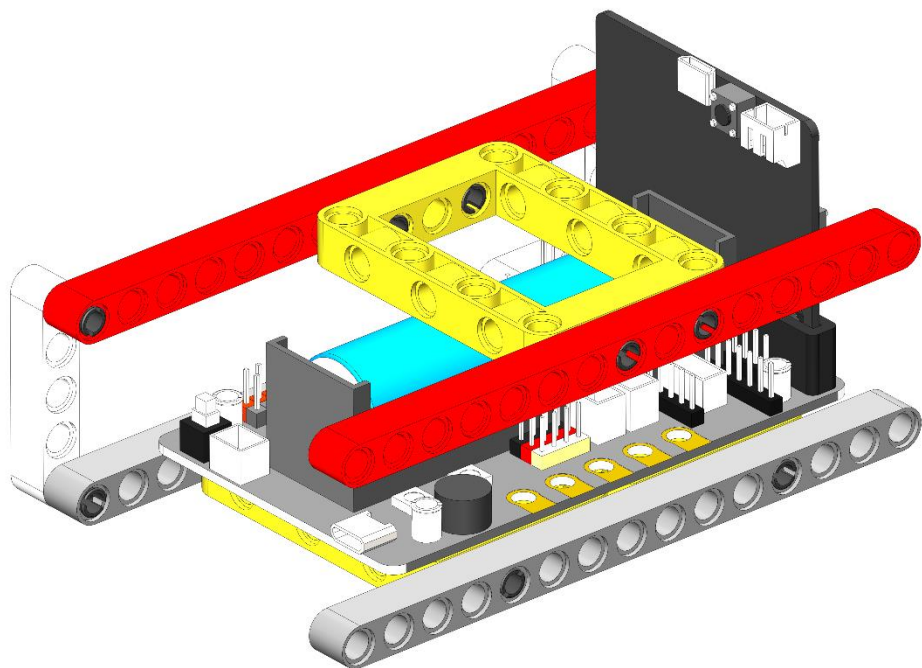
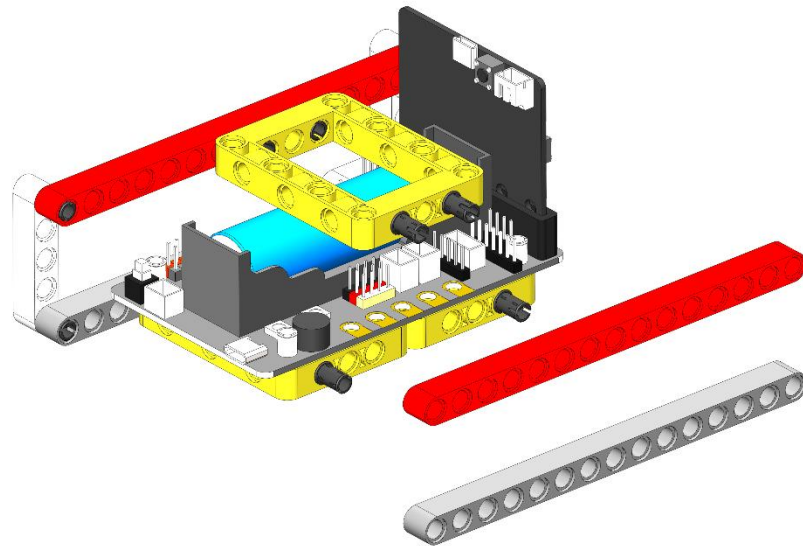


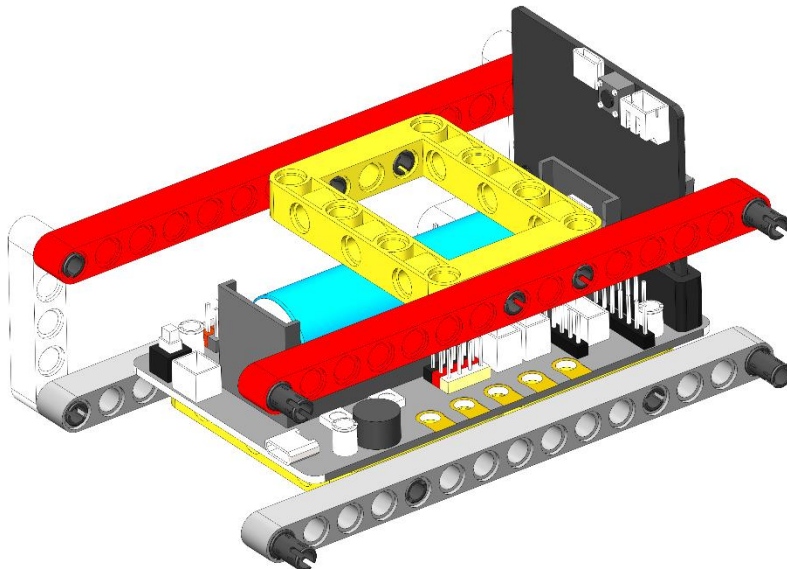
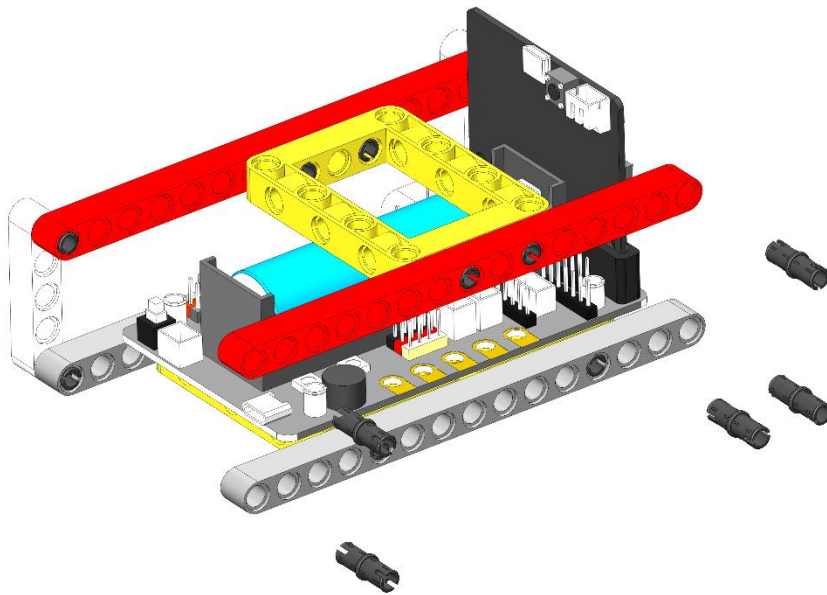


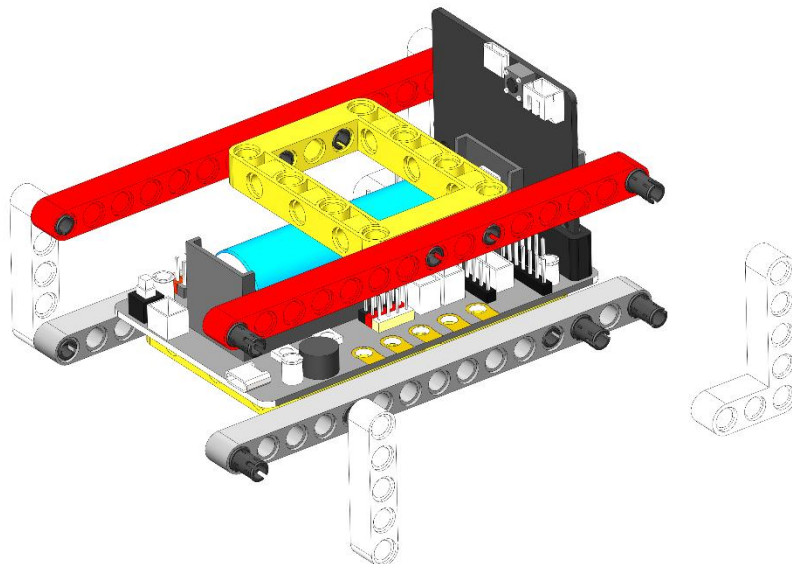
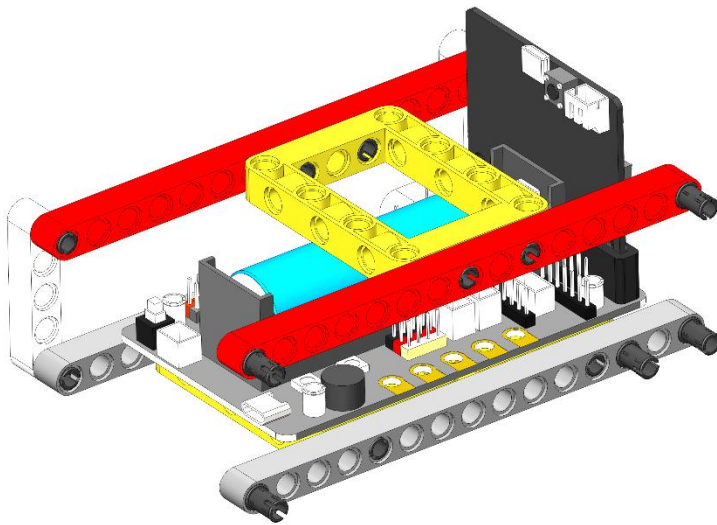


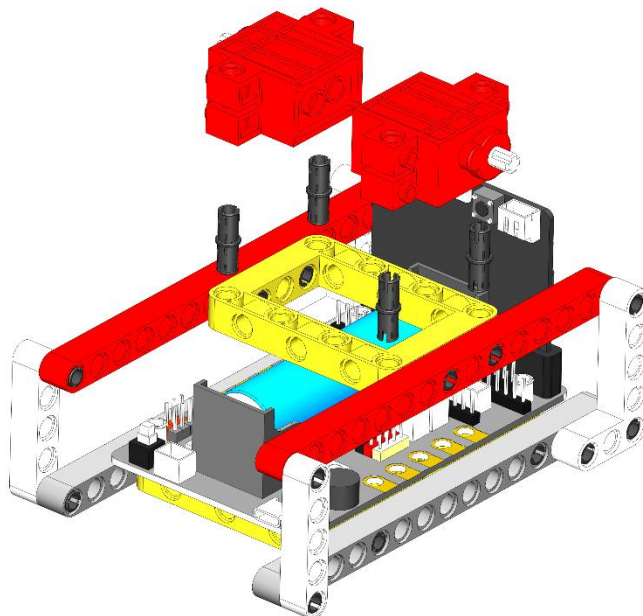
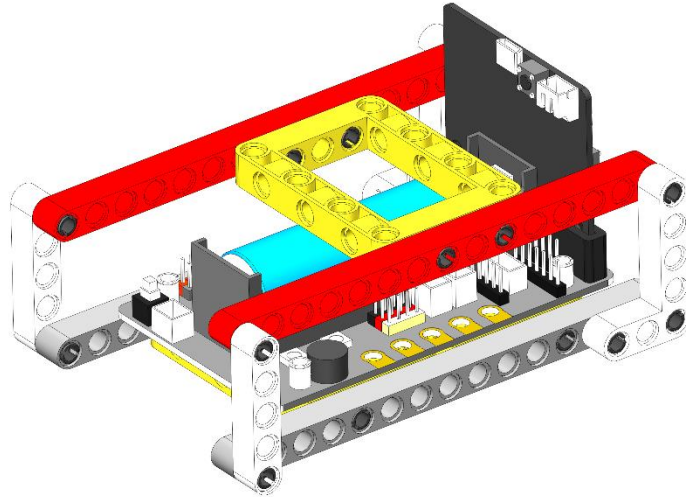


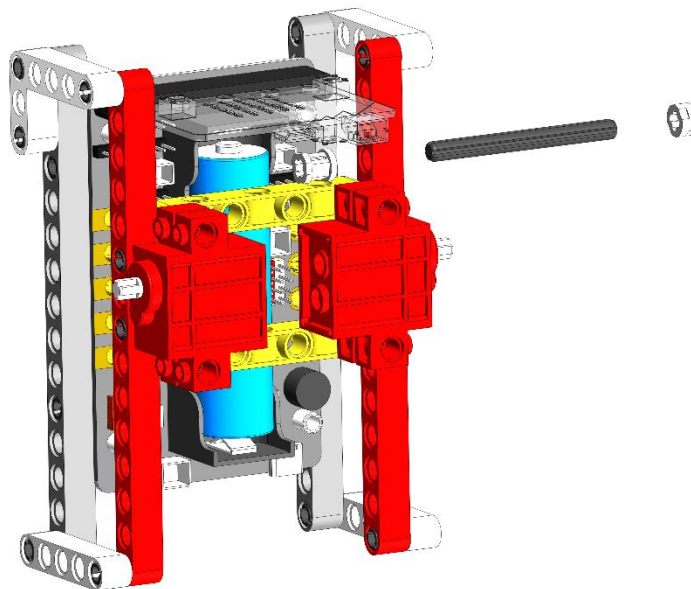
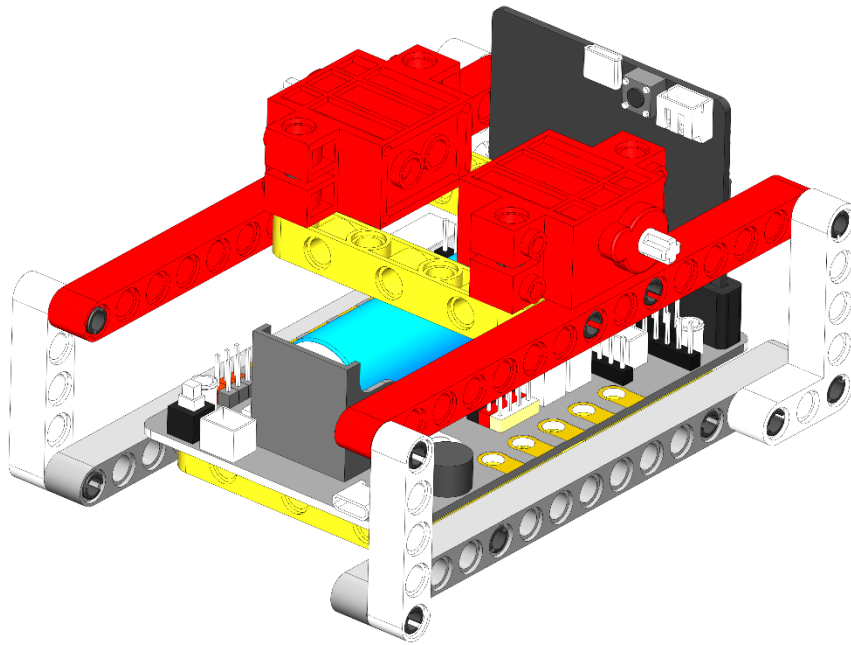


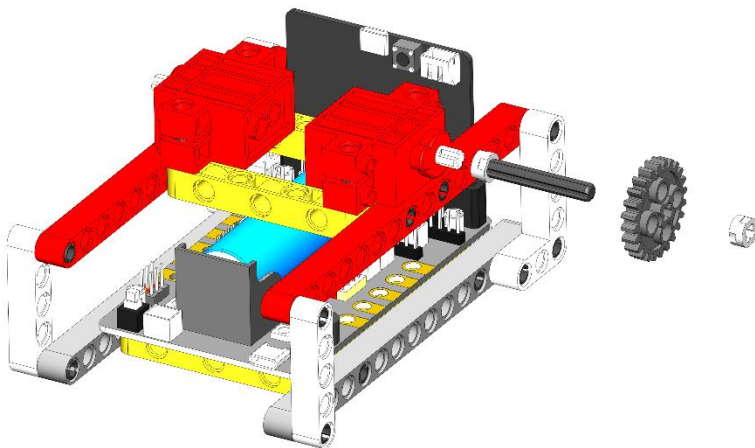
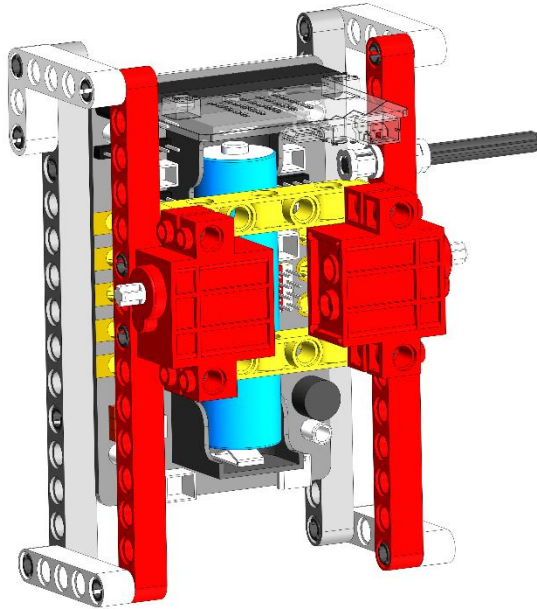


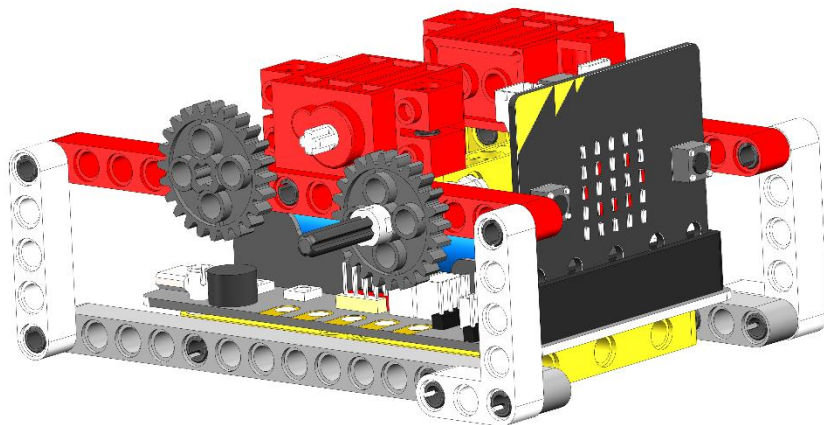
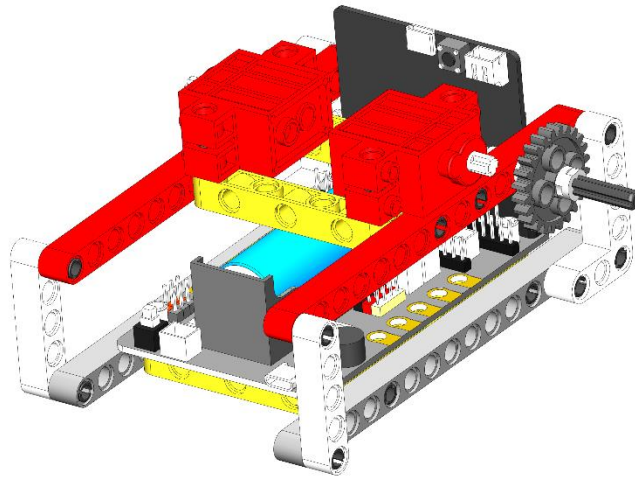


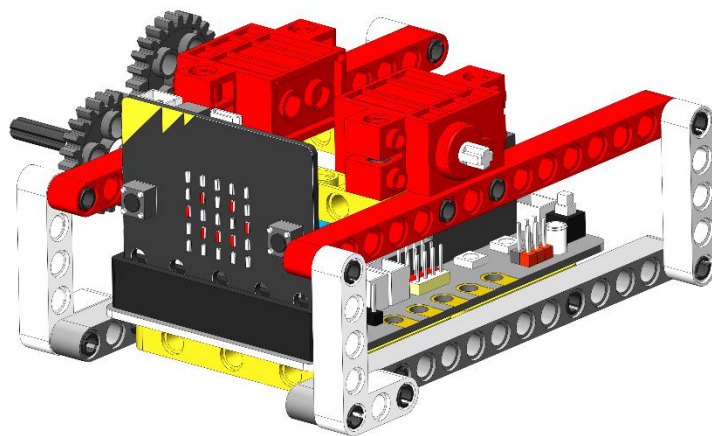
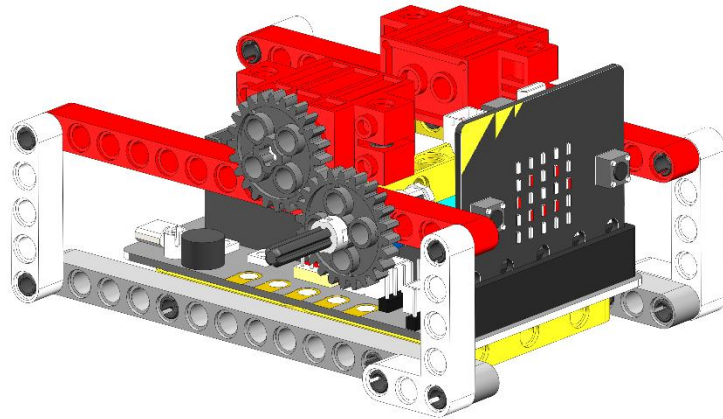


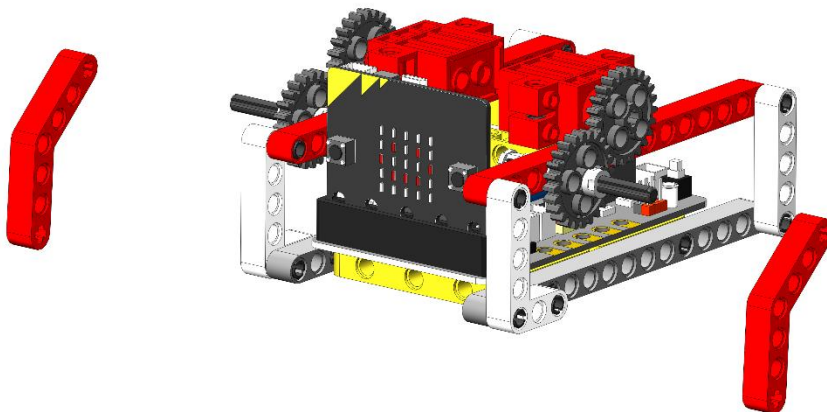
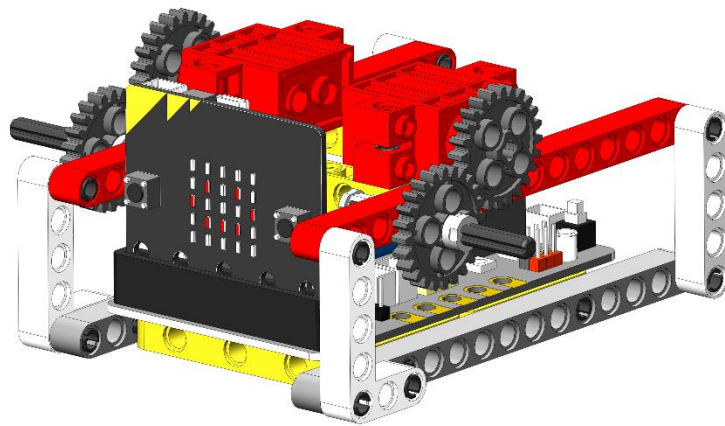


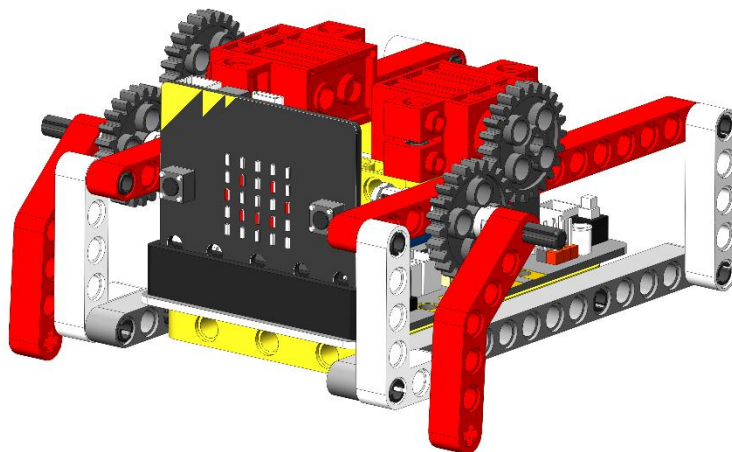












6. 实验现象

程序下载成功以后，micro:bit 点阵会显示笑脸；左右两边的积木电机接到 M1 和 M3，上电之后同时正转；如果需要重新开始请按下 micro:bit 主板背后的复位键。