

BOSON Science Starter Kit

TOY0084-lite

Product Overview

11-18-2022

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

DFRobot BOSON Science Starter Kit is a set of digitalized scientific exploration tools for young scientists to build hands-on projects in the STEM lab. The kit contains two scientific sensors for physics and six scientific explorations in 3 different fields. Unlike traditional science kits, Boson scientific sensor's output is instant and accurate in the form of electric signals. Instant results are displayed on a plug-and-play LED monitor. Setting up the device is extremely easy, and all the sensors are reusable.



Features

- Plug and play
- Easy setting up
- Can be used repetitively
- 4.5V to 5.5V operating voltage
- 300g weight

Applications

- STEM education

Kit Contents

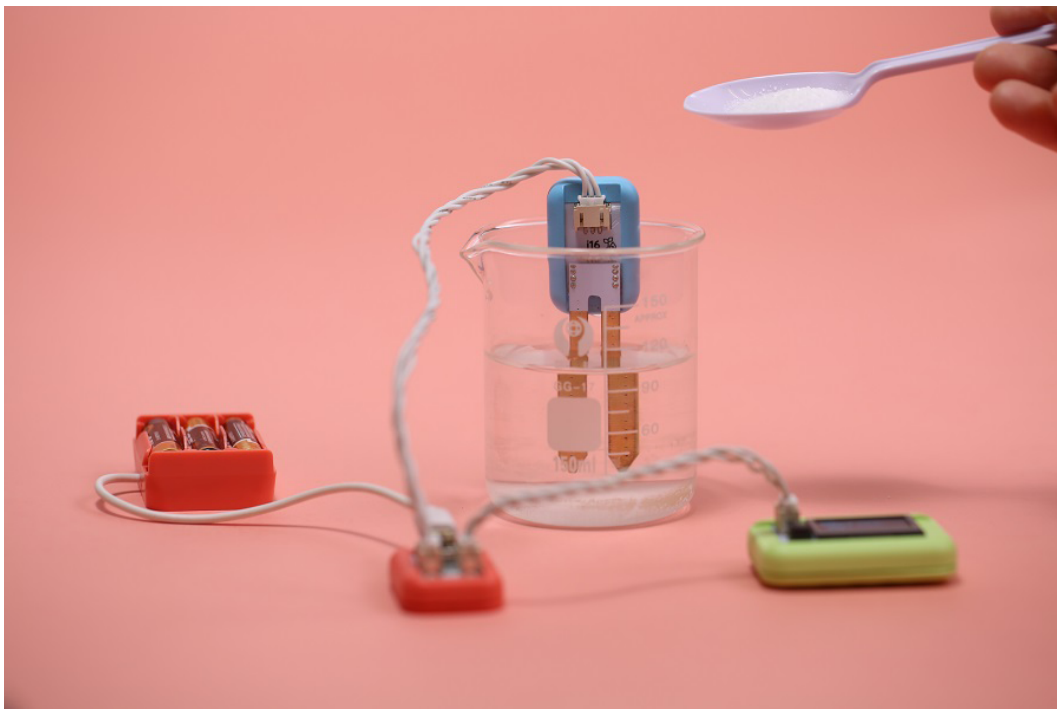
- Soil moisture sensor x1
- Light sensor x1
- OLED module x1
- Mainboard-1 IO x1
- 3xAAA battery holder x1
- Cable 10cm x2
- Cable 20cm x2
- Package box x1

STEM Lab Experiments

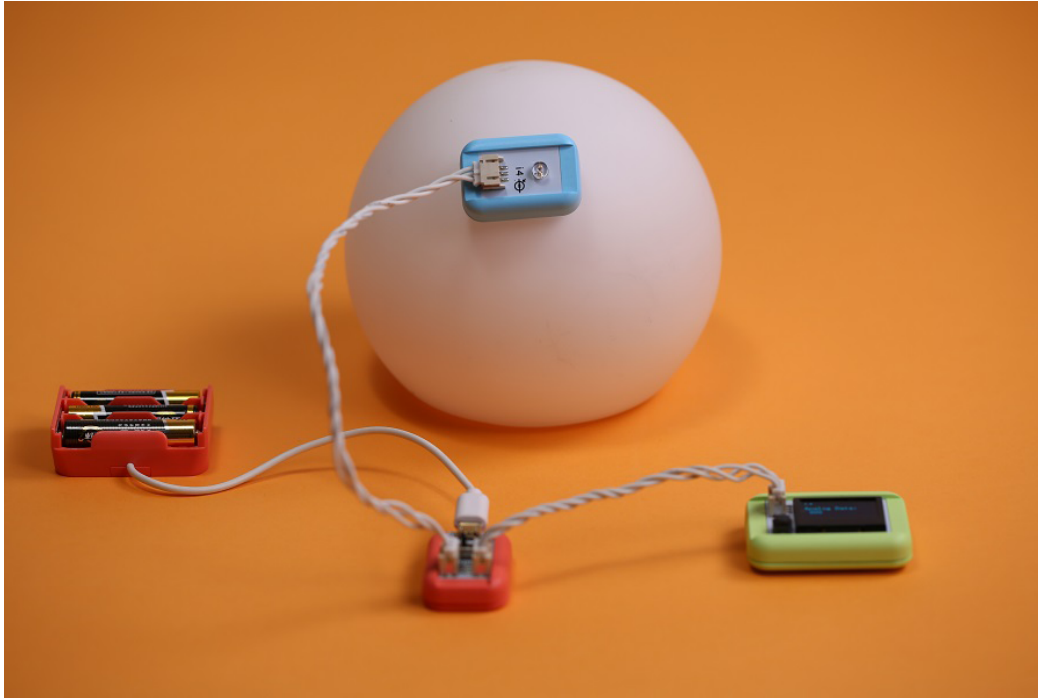
1. Experiment to determine the optimum amount of soil moisture needed for optimal plant growth.



2. Experiment to investigate how different materials and states of matter have different abilities to carry positive and negative charges.



3. Experiment to prove that when the light reflected by an object enters our eyes, the object can be seen.



Mouser Part Number

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To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-boson-science-starter-kit/>