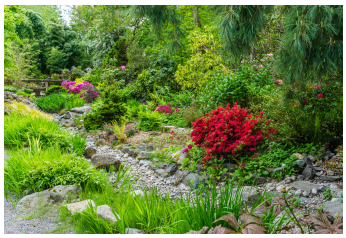
Welcome to b.Brilliant

Join Alex as she and her fellow makers explore the world by creating with new technology, interviews with experts to help solve problems, and uncovering the mysteries of "BB", a mischievous lab A.I. that seemingly likes to help, but also likes to cause some problems for b.Brilliant's teacher: Mr.Lingley.

b.Brilliant, Ep.1: Activity 3, Humidity Sensor

In this activity, we will learn how to create a humidity sensor for plants to help figure out when they need to be watered.



Timeframe: 45 mins

Materials:

- Container for your plant
- Water
- Soil
- Plant or seed
- b.Board
- Nails
- Alligator clips

Instructions:

Go to code.brilliantlabs.ca. Code your project. Download your project into the microbit. Place a microbit into the b.Board. Attach one end of the alligator clips on the b.Board and attach the other end to a nail. Place the nail in the soil. When you press A your b.Board will light up if the soil is moist and does not require watering. Pressing B will give you a more detailed number reading.

Did you know?

The type of soil you use for your plant will affect how fast or how slow the water drains from the plant's roots. Most plants grow best in well drained soil.

By Rita Pelczar Updated May 12, 2021. "What Is Well-Drained Soil and How to Boost Drainage to Help Your Plants Thrive." Better Homes & Gardens. bhg.com: Article here