b.Brilliant

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.10: Activity 3, Air Quality Monitor

In this activity, we join Rohan and his friends from across the ocean in London, England, as we will learn how make an air quality monitor with a b.Board and bits of left over skateboards.

Timeframe: 60 min
Materials: b.Board
                 Carbon Dioxide Sensor
                 Dioxide Sensor
                 Alligator clips
                 Computer
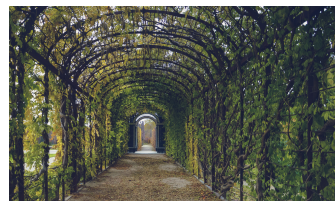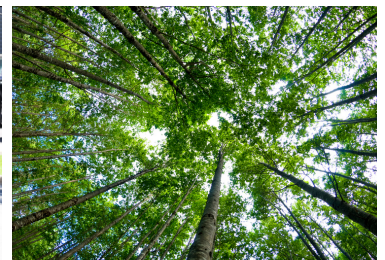   Paper
                 Pen/Pencil
                 Battery Pack

Instructions:
Find two locations where you would like to compare data. Go to code.brilliantlabs.ca and code your project. When button A is pushed it detects carbon dioxide. When button B is pressed it measures the Dioxide levels. Download your code into the microbit. Attach both the carbon dioxide and dioxide sensors using alligator clips. Attach battery pack for power. Go to both locations. Collect your data and compare them

Did you know?

9 out of 10 people breathe in air that has levels of pollution that are more than the World Health Organization recommends.

"9 Out of 10 People Worldwide Breathe Polluted Air, but More Countries Are Taking Action." World Health Organization, World Health Organization, https://www.who.int/news/item/02-05-2018-9-out-of-10-people-worldwide-breathe-polluted-air-but-more-countries-are-taking-action.