

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. 5: Activity 2, SCOBY

In this activity, we will learn about Symbiotic culture of bacteria and yeast (SCOBY) a fermentation culture (starter) consisting of lactic acid bacteria (LAB), acetic acid bacteria (AAB), and yeast which arises in the preparation of kombucha. A thin layer grows onto of the kombucha which can be grown over time and dried to make shoes, hand bangs, bracelets and more. This is called bio leather.

Timeframe: 2 weeks or longer

Materials: Kombucha
Glass jar
Sugar
Sanitized plastic container
Tea bags
Apple cider vinegar
Cloth
Elastic bands

Instructions:

- Take your sanitized plastic container and fill it with a few liters of warm water.
- Add 500g of granulated sugar.
- Place a few tea bags in your warm sugar water, allowing it to steep for a few minutes.
- Once your solution has cooled down, remove your tea bags. Add a few ml of apple cider vinegar, this makes the solution slightly acidic.
- Put your bottle of kombucha into the solution.
- Place your cloth over the solution and secure it in place with elastic bands. Your SCOBY should start to develop within two to four weeks.

Did you know?

You can take this bio leather project further! Join the Brilliant Labs Innovative Fashion challenge and design sustainable materials that will help transform how our culture's fashion consumption. Check it out, visit Brilliantlabs.ca/innovative-Fashion



QUESTIONS OR NEED A LITTLE SUPPORT? LET'S CONNECT, EMAIL INFO@BRILLIANTLAB.CA