

# 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.9: Activity 1 Upcycled Stool

In this activity, we will learn that anything old can be made into something new and useful. We also see how 3D Modelling and 3D Printing work together to create something new.

**Timeframe:** 60 + min

**Materials:** Old Skateboard or some type of wood  
Pens/ Pencils  
3D Printer  
Design Software  
Tape measure  
Computer  
Saw  
Knife  
Screw Driver  
Drill

### Instructions:

Choose any old items you feel would make a good stool. Measure them. Draw out how you want your stool to look. Use the design software to plan your stool. Use the 3D Printer to print out the design of your stool. Begin to build your stool using the tools you need safely. Cut according to the measurements. Put your stool together.



## Did you know?

Charles Hull created 3D Printing also called stereolithography. It was the first commercial rapid prototyping technology.

"NIHF Inductee Charles Hull, Who Invented the 3D Printer." NIHF Inductee Charles Hull, Who Invented the 3D Printer, <https://www.invent.org/inductees/charles-hull>.

QUESTIONS OR NEED A LITTLE SUPPORT? LET'S CONNECT, EMAIL [INFO@BRILLIANTLAB.CA](mailto:INFO@BRILLIANTLAB.CA)