



BNY MELLON



FABLAB

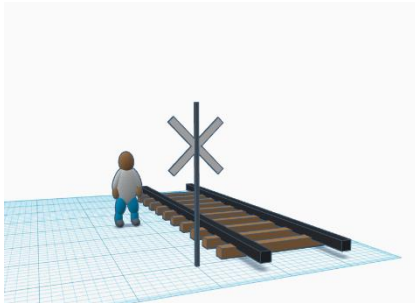
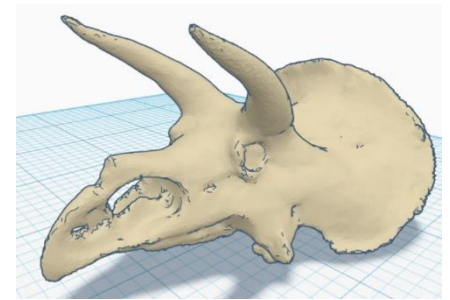
CARNEGIE
SCIENCE CENTER



Virtual Tinkercad Classes

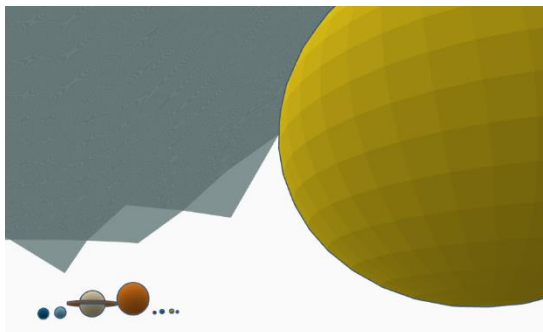
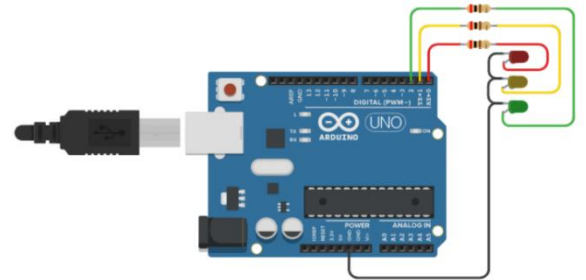
Virtual Fab Lab classes invite students to innovate, interact, and invent using Tinkercad, an online 3D design software that can be accessed from any internet browser. Students will delve deep into computer-aided design concepts as they explore maker technology and careers and learn about the world around them.

Animal Adaptations: Can scientists determine an animal's diet just by the location of the eyes in the skull? Learn how biologists make sense of animal adaptations by making models in Tinkercad.



Building to Scale: At the Carnegie Science Center's Miniature Railroad & Village®, artists use 3D printers to add elements for the O-scale model railroad. Your task: Combine art and architecture to design a new structure that would fit in to the Miniature Railroad.

Making Virtual Circuits: Tinkercad has more than just 3D design. Virtually experiment with LEDs, resistors, and circuits to create a virtual model of a functioning electronic device. These basic components are the foundation to a career in electrical engineering.



Scaling the Solar System: Part of the job of astrophysicists is to make the unimaginable size of the universe understandable to the general public. Explore and compare the size of planets, the Sun, and other stars by building digital scale models.