

# 3D PRINTING

## Mini Workshop

### Learn about 3D Modeling and Technology!

Professionals all over the world use 3D modeling in their jobs every day! This activity can be used as an introduction to simple 3D modeling and printing or can be an extension if students are already familiar with it.



#### *How does this Activity Work?*

Students need access to COMPUTERS and INTERNET for this activity.



At its most simplest students will learn about 3d modeling and printing and design their own KeyChain with their name on it to be printed out within a week or so and brought back to the school.

If students are already familiar with tinkercad.com, this activity is really about BIRD HOUSES and BIRD FEEDERS. Students will use tinkercad to design their own bird house (as seen in the bottom picture on the right) that can be hung up outside of the school or at home. Students will have to work cooperatively to decide on a design that is printable and practicable for birds!

#### Perfect for k-5 graders

A great intro activity, or you can do it over and over to make more impressive things!

#### Interdisciplinary Skills

Learn the technology and software needed to 3D print!



**Major Skill:** 21st century technology!