



Program Title: Dia de los Muertos Calaveras/ a 3D Printing Exploration

Program Start Date: Thursday September 25th and October 2nd 4:00-5:30.

October 16th -November 13th 3D printed object installation.

link to this page is: <http://bit.ly/1sY7Q8x>

Today we will be learning the cloud CAD tool Tinkercad. You will create a 3D Dia de los Muertos sugar skull to honor someone close to you. After the workshop your design will be printed for a showcase here at the library. After the showcase you be able to take your 3D printed calavera home.

[SLIDES FOR WORKSHOP](#)

Intro:

- What is 3D printing? Who is doing it? What is it for?
- What is our goal for today? What will be exhibited in the installation.
- Inspiration for our exploration [Calavera Pinterest Board](#) and a general [Pinterest Calavera search](#)
- Make sure everyone has scratch paper and inspiration print out sheets
- Participants pull up this doc: <http://bit.ly/1CinPVZ>

STEPS:

1. Go to this site: <https://tinkercad.com/> and create an account for yourself.
2. We will be doing a step-by-step exploration of tinkercad together. Instructions are here at this [link](#)
3. Open this link: <https://tinkercad.com/things/9cMQSA4Bd8L> open the blank calavera de azucar skull (open it by clicking "Copy & Tinker")

Additional resources:

- The [Smithsonian X 3D collection](#) (online library of scanned artifacts)
- [Thingiverse](#) (an online library of downloadable 3D designs created by the public)
- Artist Joshua Harker: <http://www.joshharker.com/> and his art 3D skull designs

These workshops are conducted by [Corinne Okada Takara](#), an artist with experience in engaging the public and youth in 3D CAD design and 3D printing. Past projects can be found here at this [link](#). Thanks to the [Alum Rock Educational Foundation](#) for supporting this project!

Donations to support this free youth workshop can be made to the Alum Rock Educational Foundation:
<http://www.alumrockef.org/donate.php>