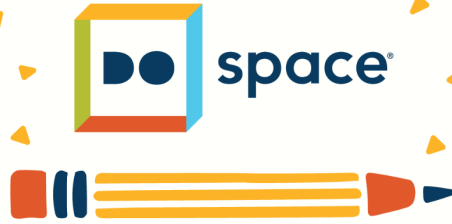
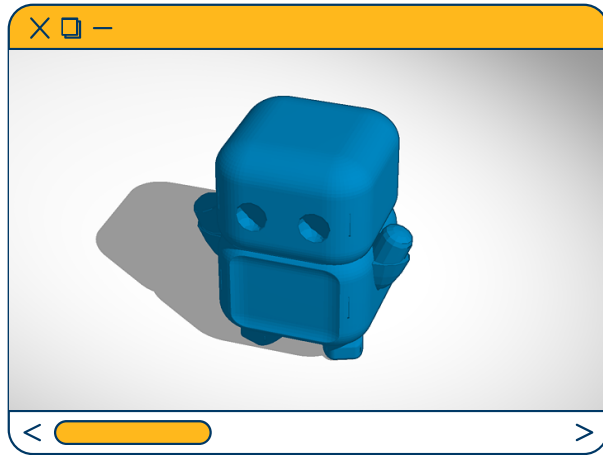


AFTER SCHOOL CLUB



AGES 6-12
@ 5:00 PM

DESIGN IT! 3D MODEL A SINGLE-PURPOSE ROBOT



INTRODUCTION

Learn how to 3D model by making a single-purpose robot! We are using TinkerCad to make our robots, so be sure to bring your ideas for useless or useful tasks that your robot can complete. Grown-ups! We recommend you create your kiddo a TinkerCad account before class. It's free and easy to do but does require you to access your email account. Go to: tinkercad.com/join

WHAT WE'LL BE USING:

- PC or Mac
- Design Supplies
- A computer mouse is a must
- TinkerCad

IN THIS ACTIVITY YOU WILL:

- Learn TinkerCad
- Plan a robot design
- 3D model your robot.
- Make it 3D print ready for your to 3D print on your own time at Do Space!



Subjects:

- 3D Modeling
- Design
- Computer Literacy
- Prototyping

Standards:

- 4B
 - 5A
 - 5B
- iste.org

Maker

Capacities:

- Tinker to Explore
 - Finding Opportunities
- agencybydesign.org

Key Terms

- XYZ Axis
- Three-dimensional
- Translate, Scale, and Rotation



Share what you made! @DoSpaceOmaha #DoSpaceSummer

