

3D DESIGN CHALLENGE

HELPING DESIGN THE FUTURE OF EARTH 2.0

CHALLENGE:

Create an **original 3D designed object** using [Tinkercad](#) or similar program. Your 3D object should be one of the following:

- **VEHICLE** **ANIMAL** **STRUCTURE**

POSSIBILITIES: (SELECT ONE)

- You can **create a vehicle** that helps you **get to your exoplanet, travel on your exoplanet or explore the exoplanet.**
(Ex. a space vehicle, a land or ocean based rover, or a satellite)
- You can **create an animal** that you might find on an **exoplanet.**
(Ex. a sea, air, or land **animal** with **unique**, but **plausible** characteristics)
- You can **create a structure** that would help you survive on an **exoplanet.**
(Ex. a Hab (like from [The Martian](#)), a communication disc, or other structure.)

TOOLS:

You can use any 3D design program you like. Here are a few options:

- [Tinkercad](#) (free online 3D authoring program)
- Google [SketchUp](#) (installed on school computers)
- [Autodesk 123D Design](#) (on computers under **Start > Autodesk**)

GRADING:

The project is worth **1000 pts.** Points will be earned based on the following:

Creativity: 300

Complexity & Detail: 500

Explanation: 200

Take **2 or 3 screen shots** of your design and paste them in your **digital notebook.** Include your project back story (**explanation**) in a text box at the bottom of the slide.

***NOTE:** This must be a **completely original design** you created using one of the 3D design programs and not something you download from online. *Enjoy & BOL...*