

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 any 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 or organism** that you might find on an **exoplanet**.
(Ex. a sea, air, or land **animal** or create with unique characteristics)
- You can **create a structure** that helps you survive on **your exoplanet**.
(Ex. a Hab (like from [The Martian](#)), a communication disc, or other structure.)

*This must be a **completely original design** you created and **not** download from online.

TOOLS:

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

- [Tinkercad](#) (free online 3D authoring program)
- Google [SketchUp](#) (on some school computers)
- Any other 3D authoring program (but check with me first)

GRADING:

The project is worth **500 pts**. Points will be earned based on the following:

Complexity & Detail: 300 **Creativity: 100** **Explanation: 100**

The project's backstory (**explanation**) should include **three parts**. The **first** part should be a 1 to 2 sentence description of your exoplanet. The **second** part should describe your design. The **third** part should list 3 to 5 characteristics or traits. Make sure to take **2 or 3 screen shots** of your design and paste them in your **digital notebook**.