

Virtual STEAM Arcade

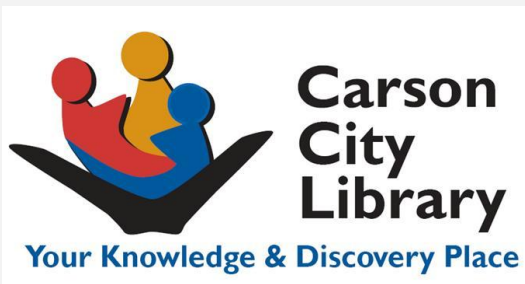
Friday, April 24th at 4:30PM | Vanna Bells, Librarian | Creative Learning Department

WHILE WE WAIT...

Introduce yourself in the chat.

Share your favorite subject: Science, Technology, Engineering, Art, or Math

Feel free to **ask questions and talk in the chat** at any time.



NASA@ My Library

*A National Earth and Space Science Initiative that
Connects NASA, Public Libraries and their Communities*



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Spotlight Events

- Voyager and Space Memorabilia
- Solar Eclipse Viewing
- Lunar Rocks and Meet a Meteorite
- Explore Earth Exhibit
- World Space Week

*Earth Day Celebration

Monthly Program - STEAM Arcade

Presenters

- Solar System Ambassadors
- Community Presenters
- Astronomer @ WNC Observatory

Hands-On Activities

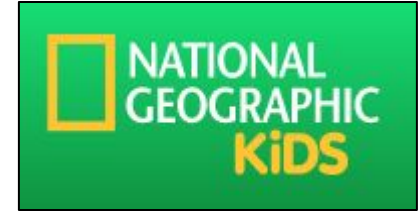
- Telescopes
- Robotics
- Coding
- Google Earth
- Space-themed board games
- Earth Science
- Engineering Challenges

Virtual Programming

Space-Themed Websites



science.nasa.gov

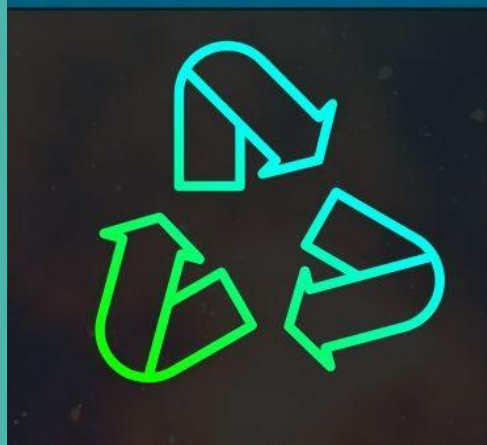


kids.nationalgeographic.com



google.com/mars

Engineering Activity - Recycled Design Challenge



Mission



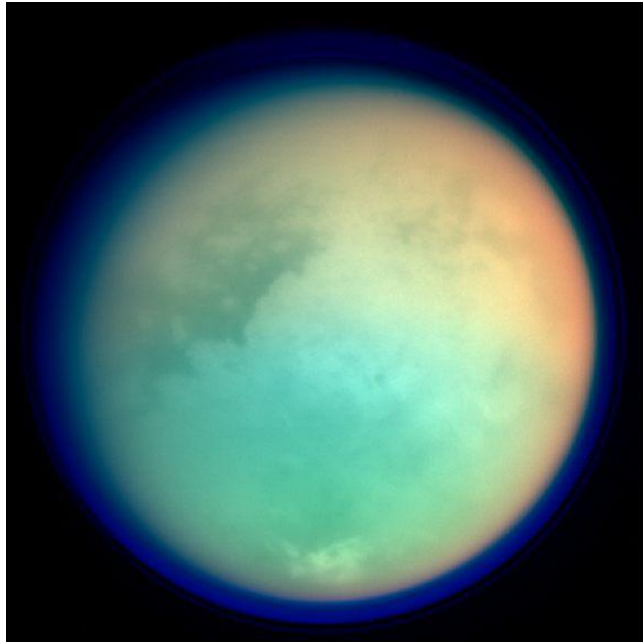
Soyuz Spacecraft (Russia)

Build a spaceship out of recyclables



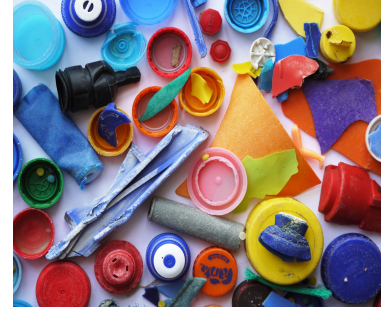
Star Destroyer (Star Wars)

Destination

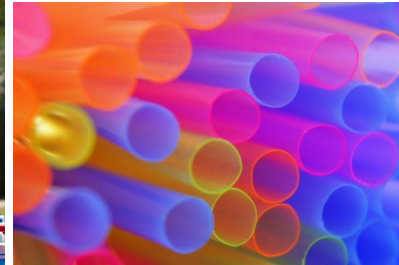


Titan

Titan is the Saturn's largest moon and is the second largest moon in our solar system. If it were not orbiting Saturn, Titan could be considered a planet as it is larger than Mercury. Titan is covered with a thick atmosphere that some consider to be similar to that of early Earth.



recyclables

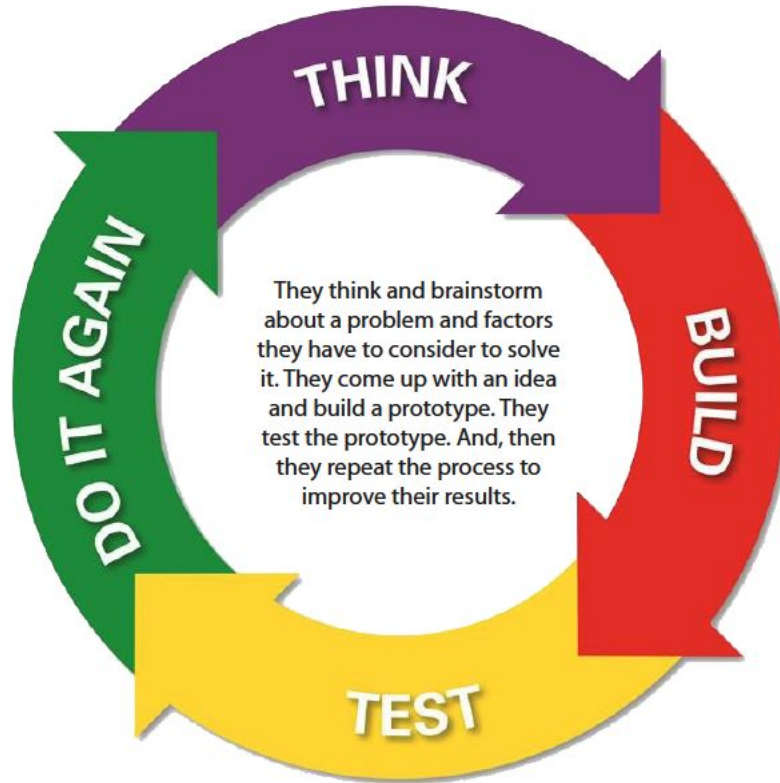


Requirements

Parts of the spaceship

1. Command Module
2. Fuel Tank
3. Engine
4. Living Quarters
5. Cargo

Label all parts of the spaceship on your design and also name your spaceship.



Engineer Design Process

Example 1

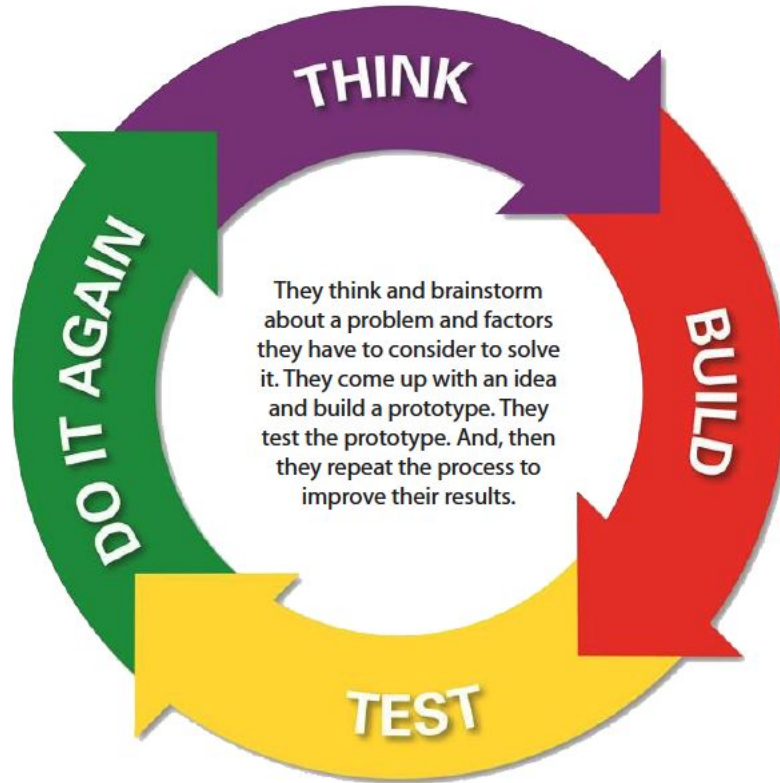
“Kit”



Example 2

"Carson"





Engineer Design Process

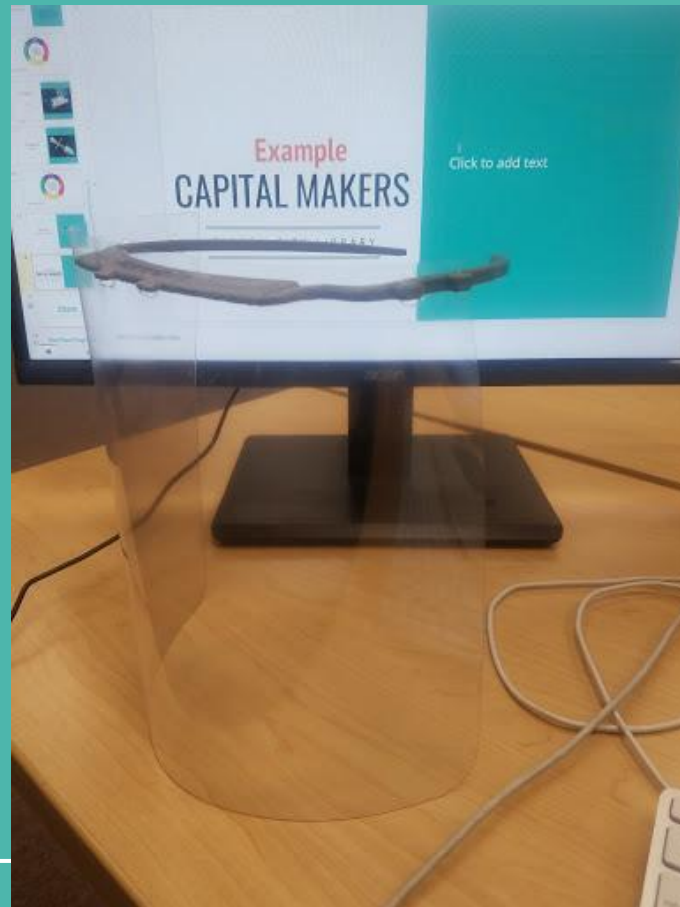
Optional

3D Print Your Design

Use **Tinkercad** to build your design and the library will 3D-print for you

Example CAPITAL MAKERS

CARSON CITY LIBRARY



share

Email creativelearning@carsoncitylibrary.org your design

Want More Programs?

Science and Technology Festival (Next Week!)

Email creativelearning@carsoncitylibrary.org to register

Earth Day: Nature Journaling

<https://www.youtube.com/watch?v=-U2NJ5HYmPQ>

Makers Club

<https://www.youtube.com/watch?v=sH4MiX4kfMY>

Art Night Out

<https://www.youtube.com/watch?v=EpIMSGRwC-U>

survey

Please fill out [survey](#) for NASA and all their partners