



PLTW Virtual Learning

# 7th and 8th Grade Design and Modeling

May 15, 2020



## Lesson 29: Stranded Design Process Day 5

### **Objective/Learning Target:**

Students will use the engineering design process to design, model, test, and present a floating escape vehicle.

## Warm-Up:

Gather together your escape vehicle, narrative, isometric, and multiview drawings of your project this week.

Proofread through your narrative. Check for spelling and grammar. Add more details and make any changes.

Have another member of your household read through the narrative to provide feedback.

## Lesson Introduction/Background Information:

Congratulations!! You made it safely home.

When you arrived the newspaper heard about your quick thinking and the miraculous escape from the island. They are wanting to do a cover story to tell the world about your amazing problem solving skills.

They have asked that you provide a narrative of your experience (the warm-up quickwrite), the schematics of the escape vehicle, and a 3D model representation.



## Self-Assessment:

Rate your overall experience during this design process.

1

2

3

4

5

What were your favorite parts?

What was the most challenging part?

How did you overcome this challenge?

## Extend Your Learning/Continued Practice:

Present your project to your household.



***GREAT JOB THIS WEEK!***