



PLTW Virtual Learning

7th and 8th Grade Design and Modeling

May 21, 2020



Lesson 33: Choose your own design process Day 4

Objective/Learning Target:

Students will use the steps in the engineering design process to design, model and test a solution to a problem.

Warm-Up:

Isometric and multiview drawing review:

Isometric and multiview drawings allow engineers to see which sides of an object?

Multiview shows _____ 2-dimensional drawing of an object.

The _____ view is directly above the _____ with the _____ side view directly to the right of the front.

Warm-Up: **Answers**

Isometric and multiview drawing review:

Isometric and multiview drawings allow engineers to see which sides of an object? **Top, Front and Side**

Multiview shows **two or more** 2-dimensional drawing of an object.

The **top** view is directly above the **front** with the **right** side view directly to the right of the front.

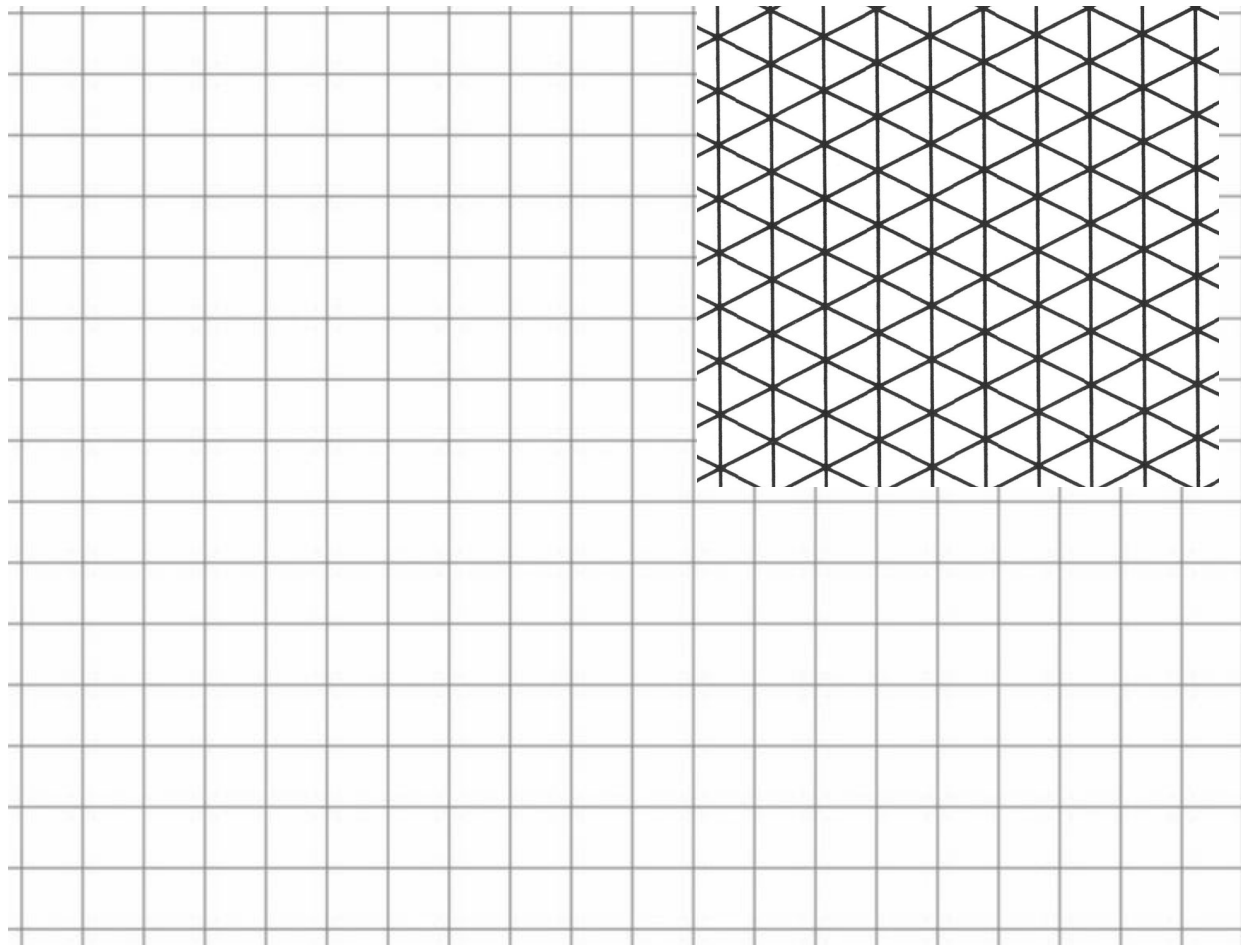
Lesson Introduction/Background Information:

Great job building yesterday!!

Now that you have the solution to your problem it is time to draw it.

Draw your project both isometrically and in multiview.

Practice:



Self-Assessment:

How do you feel about your drawings?

Do they accurately represent your escape vehicle?

Extend Your Learning/Continued Practice:

Grab a ruler and dimension your multiview drawing.

[How to dimension and multiview](#)

