



PLTW Virtual Learning

7th and 8th Grade Design and Modeling

May 22, 2020



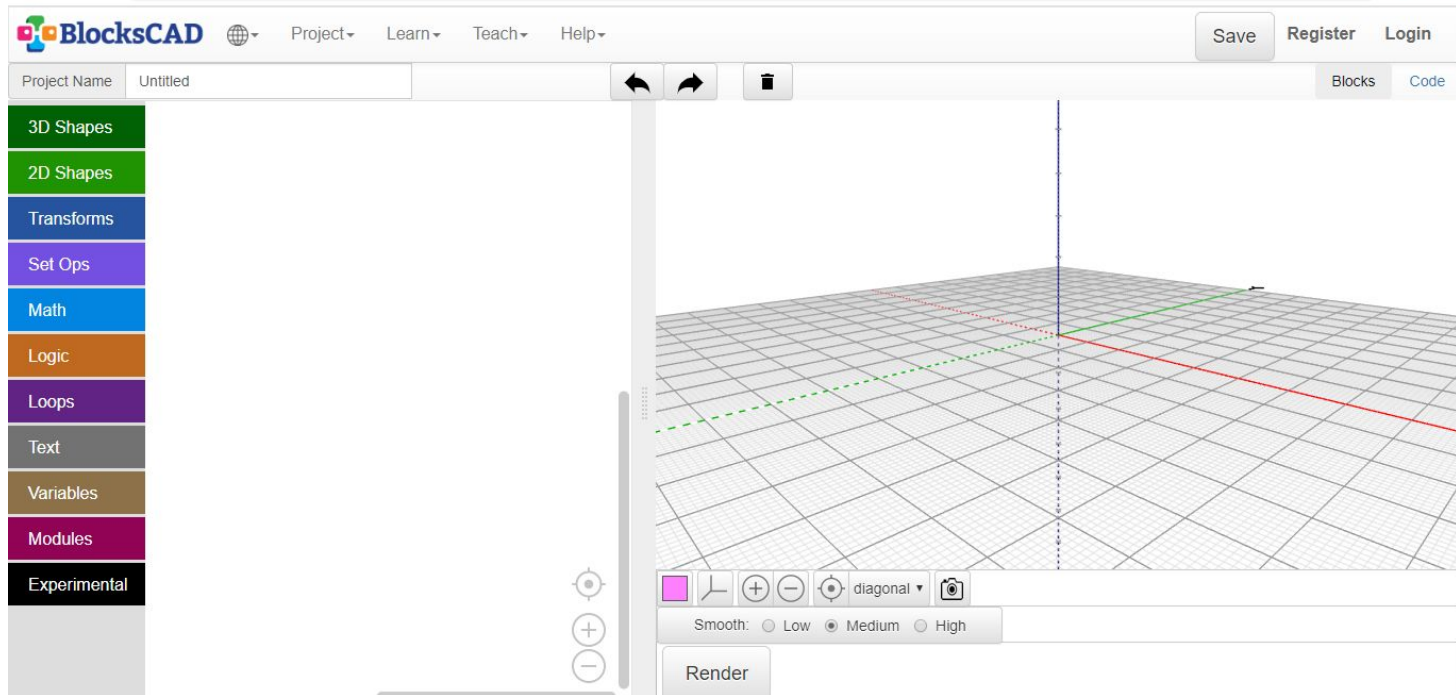
Lesson 34: Choose your own design process Day 5

Objective/Learning Target:

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

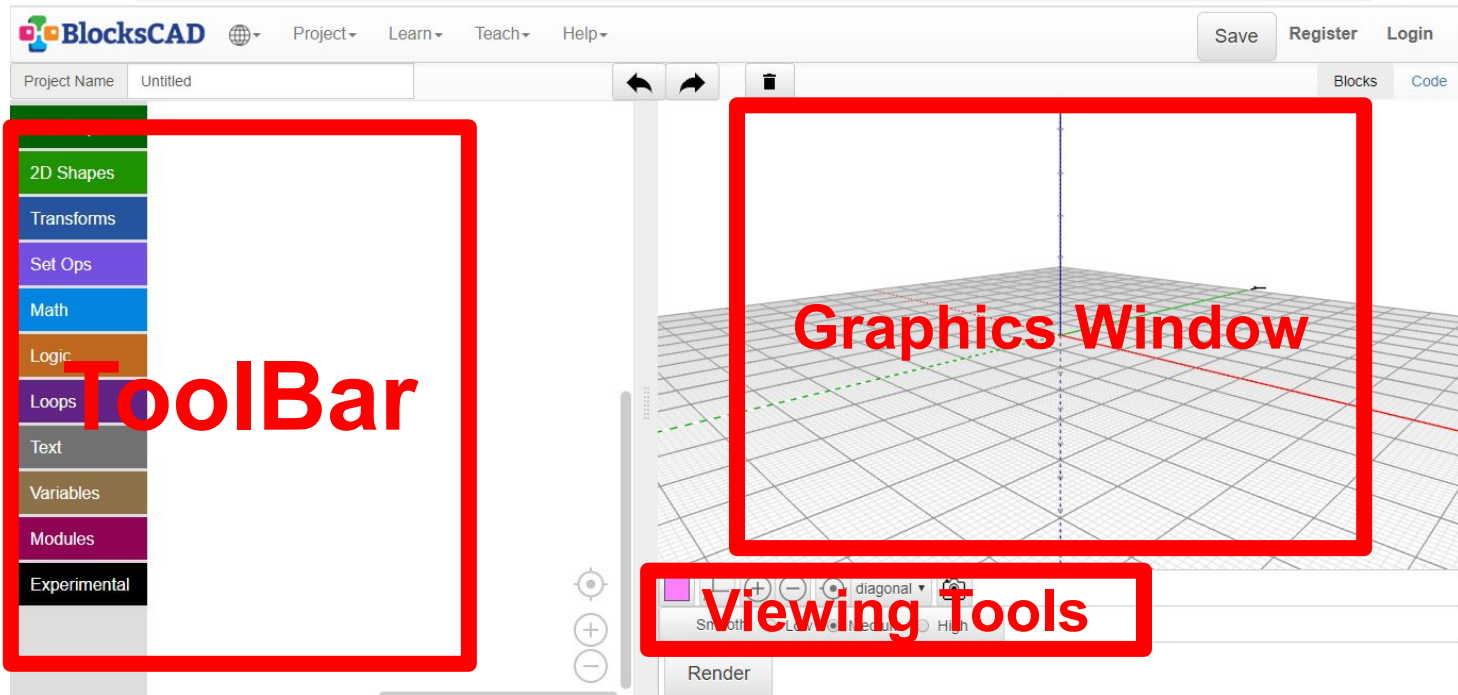
Warm-Up:

3D Software Review: Label the graphics window, viewing tools and tool bar on the image.



Warm-Up: Answer

3D Software Review: Label the graphics window, viewing tools and tool bar on the image.



Lesson Introduction/Background Information:

The final piece of the project is to draw your solution using a 3D modeling software.

Practice:

Use any of these programs:

[Tinkercad](#)

[Sketchup](#)

[3D Slash](#)

[BlockCAD](#)

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!