

## Home Assignments: Modified – Engineering & Technology

Upload Completed Assignments to Edmodo – Ms. Bowman

### Assignment 1- Due April 10, 2020

Option A -You may draw this assignment using Paper/Pencil; Take a picture of design and then upload it; Use Paint software; or Use Google Sketch-up software.

Option B- Write a 5 paragraph assignment on your dream-design. Listing all of the items you want, describe them in detail, list location, and why you decided on each item.

#### Instructions:

##### Sketch-up Design

Must design your own buildings. Design the inside of your buildings

#### Assignments:

6th grade- Design your Dream Home

7th grade- Design your Dream School

8th grade- Design your Dream College

Criteria for Standard: Details- Add your full name

6th grade- Design your Dream Home-

- Design buildings (Add doors, windows)
- Add Landscaping (grass, trees, rocks)
- Add Decorations (Bricks, Paint)
- Add fake address/ location.
- Draw/Import appropriate graphics/pictures/text/food pics.

Create your own designs using various shapes.

Must have at least a 5 rooms-

-House Living Room, Dining Room/Kitchen, 2 Bedrooms  
Bathroom

- Import vehicles and buses
- Add fish tank with fish, swimming pool, and people
- List address on your mailbox using 3D text
- Add your full name to your design
- Design buildings (add roof, doors, windows)
- Add Landscaping (grass, trees, rocks)
- Add Decorations (Bricks, Paint)
- Import appropriate graphics/pictures/text/food pics
- Use 3D Warehouse to download or draw people.
- Create your own designs using at least two different shapes.

### 7th Grade: School-

- Design 5 different rooms inside school:  
office, computer lab, class room, gym, cafeteria
- Import vehicles and buses
- Add fish tank
- swimming pool
- people

Give the school a name and list the location.

Add your full name to your design

- Design buildings (add roof, doors, windows)
- Add Landscaping (grass, trees, rocks)
- Add Decorations (Bricks, Paint)
- Import appropriate graphics/pictures/text/food pics
- Use 3D Warehouse to download or draw people.
- Create your own designs using at least two different shapes.

### 8th Grade: Build a College-

Design 5 buildings:

Admission Office, Computer Lab, Student Union (Hang out for students), Cafeteria, Dorm Room

- Import vehicles and buses
- Add fish tank, swimming pool, and people
- Give the college a name and list the location
- Add your full name to your design
- Design buildings (add roof, doors, windows)

- Add Landscaping (grass, trees, rocks)
- Add Decorations (Bricks, Paint)
- Import appropriate graphics/pictures/text/food pics
- Use 3D Warehouse to download or draw people.
- Create your own designs using at least two different shapes.

## STEM Hands on Projects Assignment 2- Due May 8, 2020

1. Sketch your project designs first.... then save them to your back pack. After you sketch each project, take a picture of it, and turn it in to me on Edmodo.

2. Use cardboard, Popsicle sticks, straws, clay, toothpicks, tape, glue, cardboard, paper, or wooden blocks to create your projects.

(Start building your projects at home without a partner)

## STEM Projects- Design by Grade Level

### 8th Grade

1. Roller coaster
2. Shelter
3. Car

7th Grade:

Build the following:

1. Computer
2. Pulley
3. Volcano
4. Shelter

6th Grade:

1. House
2. Airplane
3. Tower Bridge

Due by May 18, 2020

If you have any missing assignments; check Edmodo and please complete them: