



Gateway to Technology PLTW Design and Modeling & Green Architecture

Mrs. Watkins

Website: [http:](http://) email: awatkins@judsonisd.org Room: 314



WHAT WE WILL LEARN

Semester 1 Design & Modeling: Design and Modeling is a nine-week, STEM unit of study. This unit focuses on the application of the engineering design process to solve real-world problems. Students work in teams to solve various design problems.
Semester 2 Green Architecture- Green Architecture is a nine-week, STEM unit of study. The focus of this unit is the practice of architecture and sustainable development. Students explore residential building systems, residential construction and construction costs, site planning, and architectural documentation. They have the opportunity to design a small home using recycled shipping containers and use fundamental features of a 3-D architectural software to document their design.



LATE & MAKE-UP WORK

The instructor reserves the right to deal with specific late work and make-up work issues on a case by case basis. The general rules that will apply are as follows:

- If you are absent, it is **YOUR** responsibility to download the work & notes you missed which can be found on Google Classroom
- You have 2 days to make up the work or else it will be considered late
- Late assignments will be deducted 10 % a day
- Late work will not be accepted after 3 days.



VIDEOS

We will watch multiple Videos from PLTW as a class. Videos will also be uploaded to google classroom for you to view with headphones from Discovery Education.



HOW TO STAY CONNECTED

- Remind 101 updates- Make sure you are signed up to get text alerts. Parents and students are encouraged to sign up
- I will update my teacher webpage weekly, here students can find all the assignments and PowerPoints. Google classroom will have all digital assignments and warmups.

REQUIRED MATERIALS



Username:

Password:

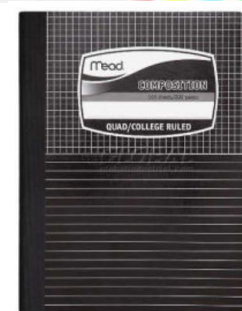
Remember me

[Forgot Your Password?](#)

PLTW Online Curriculum accessible with student log in.



You will need a Composition Grindable notebook, Pencils, and colored pencils will be used often but not daily. Suggested: Flash drive & Headphones



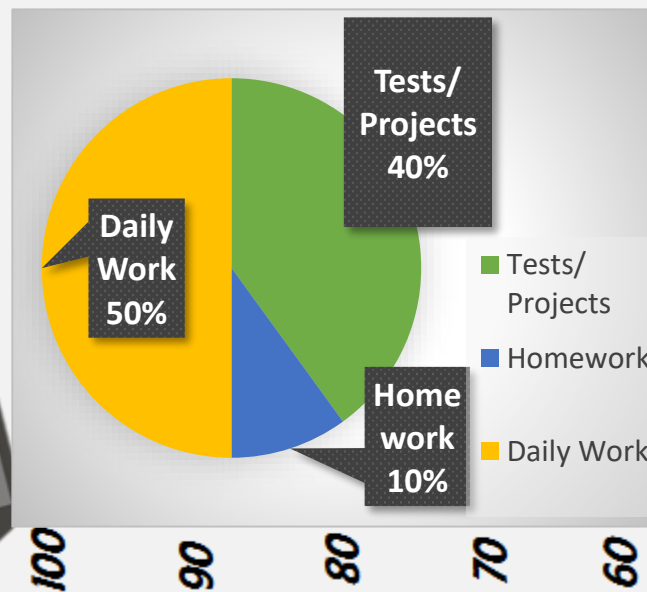
Internet access will be a must for certain homework assignments. We will occasionally use smart phones in class. Always bring your Chromebook.



POLICIES

- Bring your materials to class
- Respect others and be polite
- No talking while other people are talking
- Be in your assigned seat when the bell rings
- Follow all directions and the classroom procedures
- Follow the student code of conduct
- No eating or Drinking in the Computer Lab.

ASSIGNMENTS



GRADING SCALE

A B C D E

What are we learning this year?

1st Nine Weeks

Internet Safety
Lab Safety
DM-Lesson 1 Introduction to Design

2nd Nine Weeks

DM-Lesson 2 Modeling and Statistical Analysis
Dm-Lesson 3 Design Challenge

3rd Nine Weeks

GA- Lesson 1 Architectural Basics
GA- Lesson 2 Introduction to Sustainable Architecture

4th Nine Weeks

GA- Lesson 3 Making an Impact
Introduction to Coding (If time allows)



Tutoring Times

Mornings: Tuesday, & Friday

7:30 - 7:55

**Afternoons: Tuesday & Thursday
until 4:30pm by appointment**



Remind 101

Text the message @7k9bfc to the number 81010.

If you're having trouble with 81010, try texting @3d98ae to (812) 716-4111



Google Classroom Class Codes

2nd Period: mdubai

3rd Period: 4f9uy38

4th Period: rgzm64

5th Period z6vhsyr

6th period: 8y9lmm7

7th Period: dy2s0c

**BE LESS CURIOUS ABOUT PEOPLE AND MORE
CURIOUS ABOUT IDEAS.
MARIE CURIE**



Chromebooks:

You are required to bring your Chromebook to class every day. You may utilize Google Calendar to record daily assignments, homework, project due dates, test dates, and other important information. It should be used to help you effectively plan for success in this class. It should be reviewed daily by you as a student and weekly by your parent or guardian. You will also be using your Chromebook for classroom assignments and research as well as collaboration with other students.



Interactive Notebook:

You will be keeping an Interactive Notebook this year. This is the half Lined half gridded Composition book. Notebook checks will count as a quiz grade. **The notebooks** will stay in class on the designated class bucket, unless instructed by the teacher for homework purposes.

By signing you acknowledge that you have reviewed your child's syllabi for 7th grade GTT.

_____ Parents printed name
X _____ Parents Signature