

Design is a plan to make something

The **Design Process** provides a set of steps to help us, the creators, to pick the best idea to create. It also helps us improve existing objects.

1. Identify the need
2. Gather information
3. Develop Alternative solutions
4. Select best solution
5. Implement solution
6. Evaluate the solution

Do Now-have paper and pencil out to take notes.

Aim- Design Brief

- A Design Brief should help you understand what is needed, your build & creation progress & how you accomplished your end result.
- Include specifications give additional information that must be considered during the design process.
- Sketches of what your planning to build & sketches of modifications you want to make.
- A materials list helps to analyze cost if item goes into production.

What part of the design process is the Design Brief?

Design Brief

NEED



G.I.



Dev.
Alt.
Sol.

Problem statement- Create an object that will allow me to stand comfortably, and have room to work, while using a laptop for distance learning.

Ergonomics

Matching design to human needs

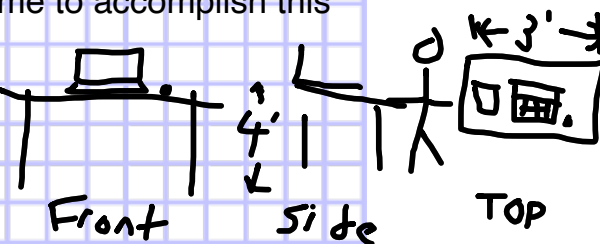
Specifications-

- Must be created in a location where I can work.
- Should have a flat surface for laptop and mouse.
- Possibly space for a notebook
- Measurements- overall size and details on total height

Tools & Materials-

What do I have available to me to accomplish this creation

Sketches- (Understandable)



Chapter 2 Due 3/8

Do Now- have paper and pencil out to take notes.

AIM: How do engineers solve problems?

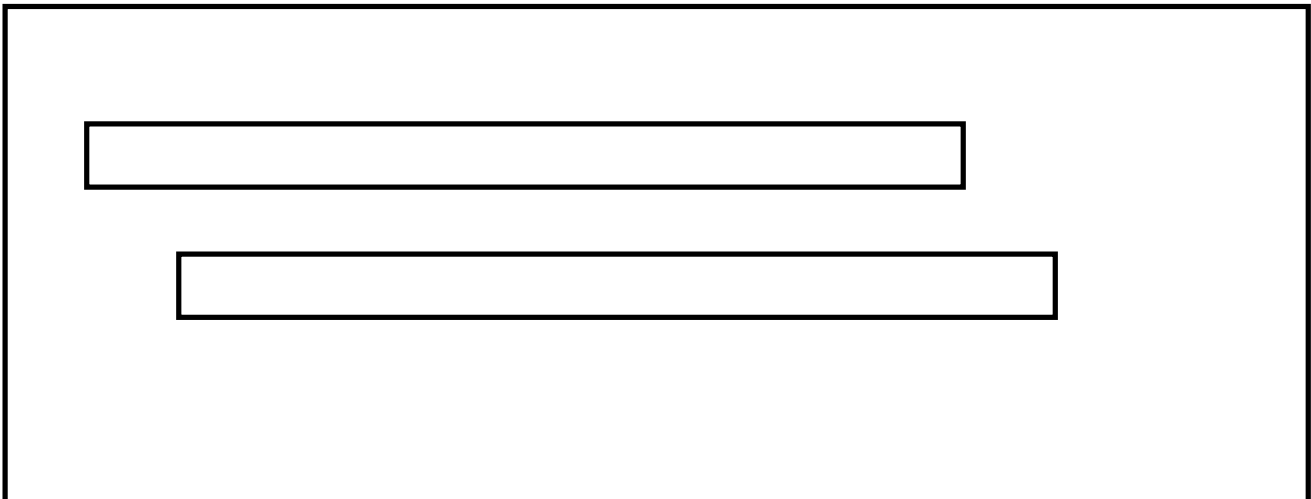
By using the design process.

How do engineers generate ideas?

Brainstorming

What is a good way to share your ideas during a brainstorming session?

Sketching is a good way to communicate your ideas with others. Visual representation helps others understand your idea.



A large rectangular box with a black border, intended for sketching or drawing. Inside the box, there are two horizontal lines, one above the other, representing a space for a visual representation of an idea.