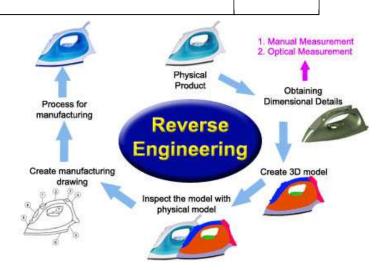
## reverse engineering

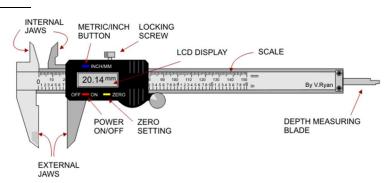
Reverse engineering is taking apart an object to see how it works in order to duplicate or enhance the object.

**Reverse engineering** is the process by which **engineers** create 3D **CAD** models from actual products by measuring the physical object using 3D scanning technologies or by obtaining manual measurements.



## **Directions:**

Use CAD software (like Tinkercad or Shapeways) to create 3D models of the physical objects you are given. You will turn the .STL files in on Google Classroom. Use the **digital caliper** to take <u>precise</u> measurements of the object.



Item	Sketch with dimensions (use mm) & shape list (what shapes did you choose to model the object?)	Check when completed ✓
Popsicle stick		
Washer		
Hex nut (small)		

Item	Sketch with dimensions (use mm)	Check when completed ✓
Lego brick		,
Stop gap (yellow)		
Hex nut (large)		
Stop gap (gray)		
Metal bracket (flat)		