

BYF

CONSTRUCTION CLUB

Session 2



Greeting

Clump

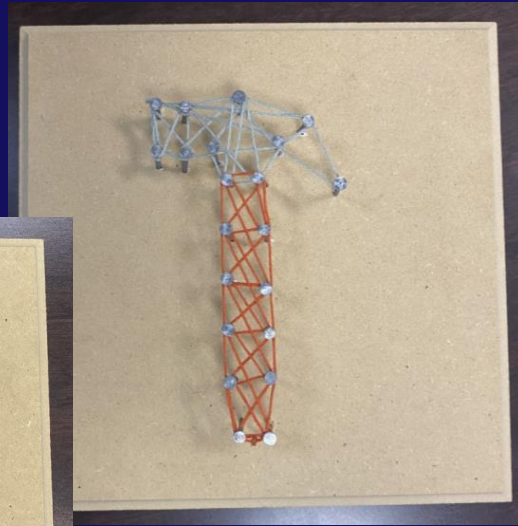
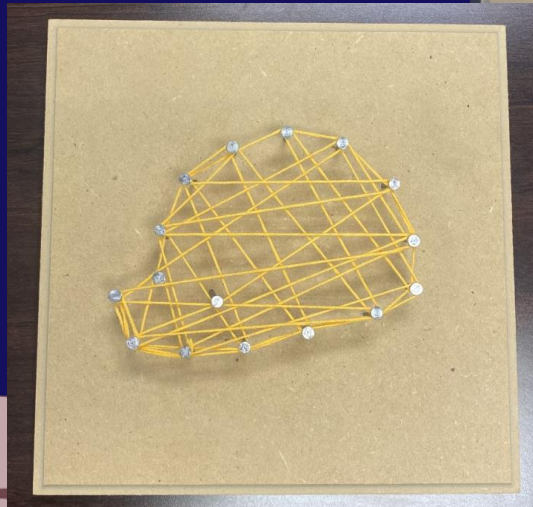
Students will form groups or “clumps” based on the leader’s instructions.

Example: groups of 3!

Anyone not in a “clump” is out.

When two students are left, play Hammer/Blueprint/Architect to determine winner.

Today's project: String Art



You will work together to make string art. Your group will be able to pick their own design, hammer the nails, and tie the string.



Objectives

01

Perseverance

Doing your best, even when things are difficult

02

Committment

Being dedicated or loyal to something

03

Follow-through

Working on something until it is finished

04

Awareness of Careers

There are all kinds of construction careers, not just building houses and roads!

Tools: Hammer



Ball Peen Hammer



Cross Peen Hammer



Straight Peen Hammer



Claw Hammer

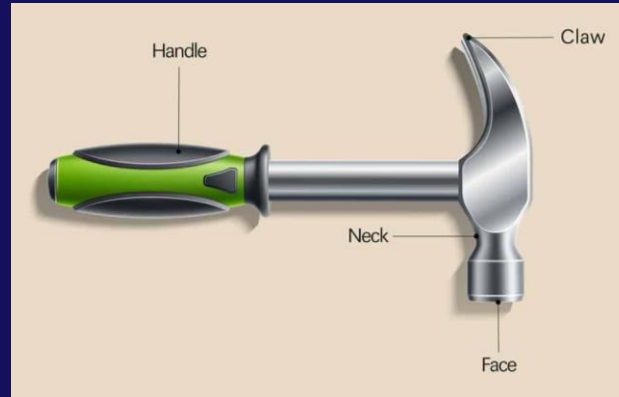


Sledge Hammer

Claw Hammer

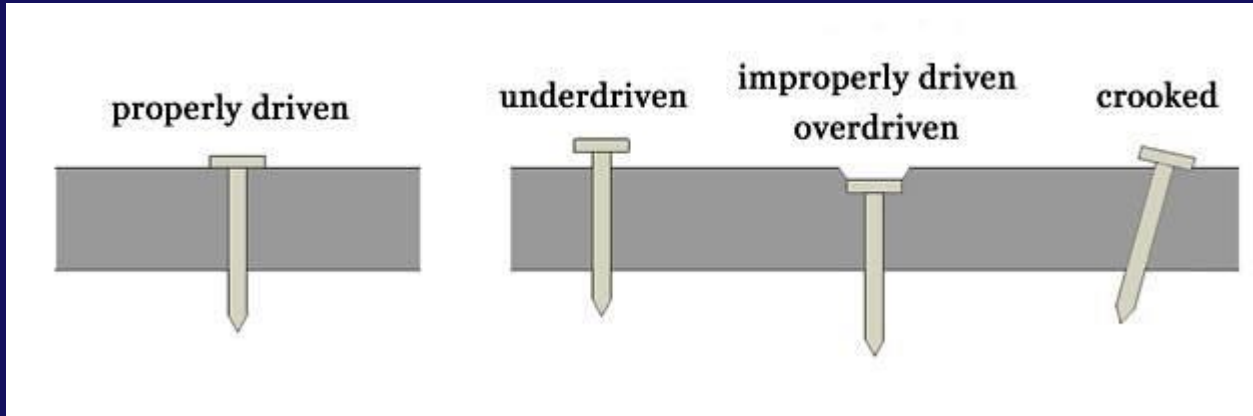
- Generally associated with carpentry and similar crafts
- Used to drive a nail, wedge, or dowel
- Claw is used to pull nails out of wood

<https://www.youtube.com/watch?v=g6dvj4MKjDc>



Properly driven nails

****for string art, your nails will need to appear underdriven**



Materials Needed

- Hammer
- Nails
- Safety glasses
- Design
- String

But first, SAFETY

- Safety glasses on when “on-site”
- Check your materials
- When helping hold materials, be careful of your fingers!
- Clean up after yourself

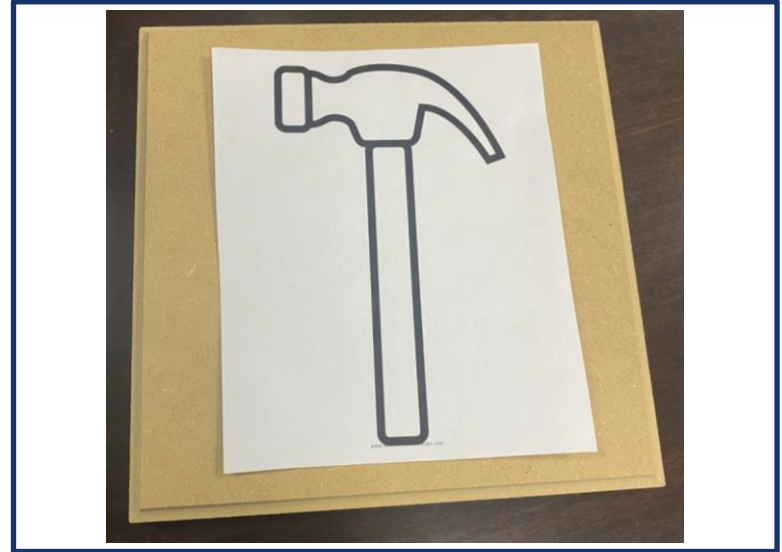


Process

First

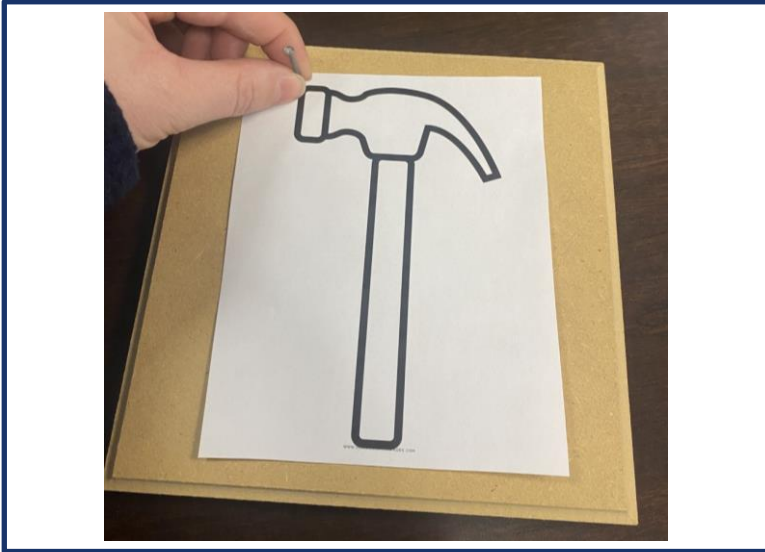


Then

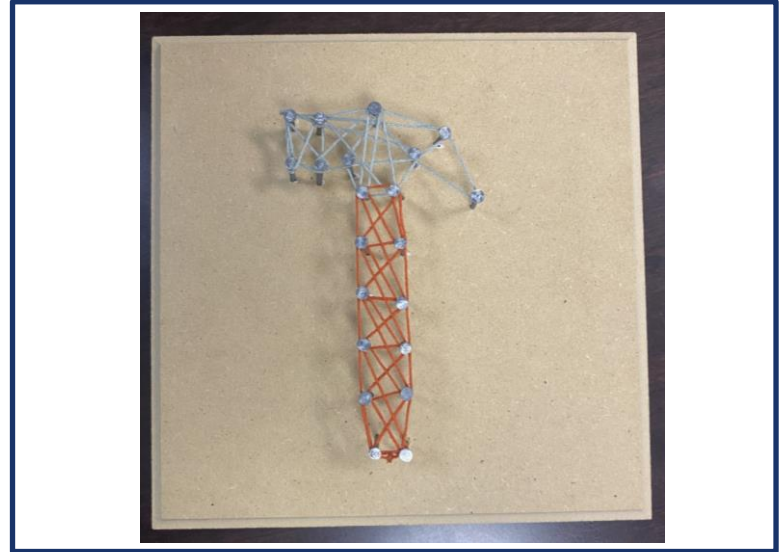


Process

Next



Last



The background features a stylized cityscape with various buildings in shades of blue, brown, and white. A white banner is positioned in the center, containing the text. The sky is dark blue with a few white clouds on the left. The overall style is modern and graphic.

JOB

EXPLORATION



PLAN IT



BUILD IT



FINISH IT



Build It: Craft Laborer

Average Salary: \$38,890

Description: Perform basic tasks on a construction site, sometimes at great heights or outdoors in all weather conditions

Education Options: Technical School, Community College, Registered Apprenticeship Program, and Industry Training Program

Qualifications: Manual dexterity, coordination, physical fitness, good sense of balance

Build It: Millwright

Average Salary: \$66,919

Description: Work on construction sites and factories assembling and disassembling machinery. Can involve technical repairs or heavy machining tools.

Education Options: Technical School, Community College, Registered Apprenticeship Program, and Industry Training Program

Qualifications: Good depth perception and manual dexterity, good judgment and decision-making skills



<https://youtu.be/g-NBzo1K7UU>

Build It: Sheet Metal Worker

Average Salary: \$58,160

Description: Cut and mold sheets of metal into products for installing and repairing ventilation and air ducts; construct airplanes, automobiles, and billboards

Education Options: Technical School, Community College, Registered Apprenticeship Program, and Industry Training Program

Qualifications: Coordination, physical dexterity, mechanical and mathematics aptitude





Finish It: Instrumentation Technician

Average Salary: \$70,080

Description: Perform key installation and maintenance functions across industries and are trained in piping, tubing, fasteners, and working with metal production

Education Options: Technical School, Community College, Registered Apprenticeship Program, and Industry Training Program

Qualifications: Manual dexterity, coordination, physical fitness, good sense of balance, problem solving

Wrap Up

- Why did you join construction club?
- What was your favorite career opportunity from the quiz?
- How much fun did you have today?



Google form:

<https://forms.gle/LoK39v7JkhgKmVrP7>

