



STRING ART CHALLENGE

String Art is an art form that uses string wrapped around nails to outline a design. The string is also used to fill in negative or positive spaces on a wooden base.

In this challenge you will:

- Draft a string art design
- Fabricate a wooden base,
- Lay out your design on the base,
- String up your design,
- Share your piece with the class.

STRING ART CHALLENGE

Name

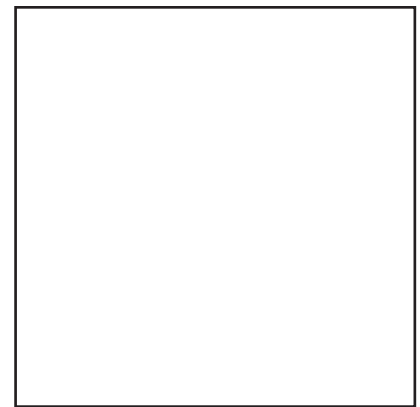
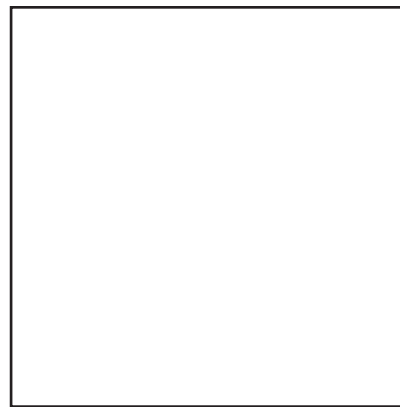
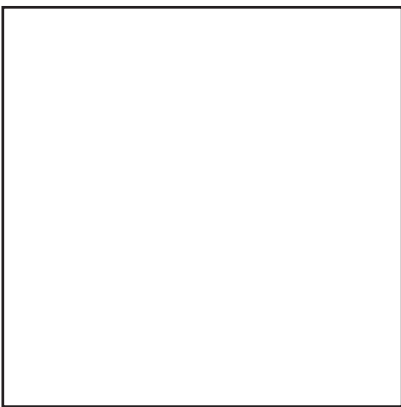
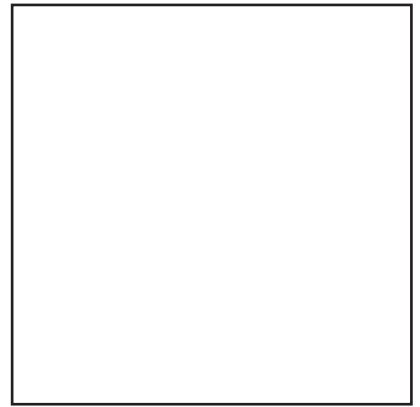
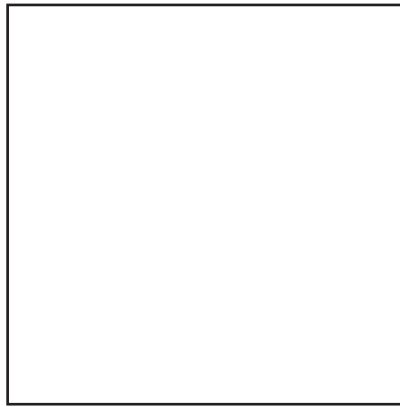
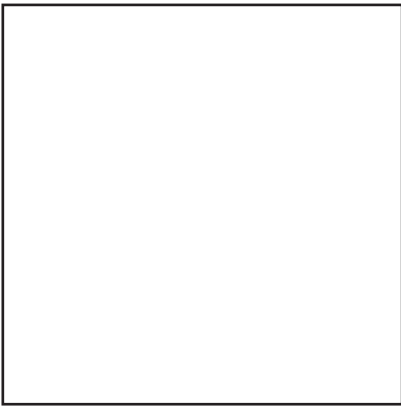
Date

Title

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Procedure:

Sketch out six different designs that you would like to create into string art.



Draft one of your six designs on graph paper. This drawing will include the following; scale replication of your design, location of nails, small section showing where the string will go.

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Finishing:

What will sanding across the grain do to your project?

Apply finish to your wooden base, what finish did you decide to use? Why?
(No paint)

Explain the process of transferring your design onto your base?

How deep are you hammering in your nails? What happens if you hammer too little or too much?

In what technique are you applying the sting to your design? Why did you choose this technique?

Are you happy with the outcome of your project?

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Safety:

Please fill out the form below. List the machine, tool, finish that you are using, how it is used and five safety concerns involved in the process.

Machine / Tool / Finish

Five Safety concerns

What does it do?



Machine / Tool / Finish

Five Safety concerns

What does it do?



Machine / Tool / Finish

What does it do?



Five Safety concerns

Machine / Tool / Finish

What does it do?



Five Safety concerns

Machine / Tool / Finish

What does it do?



Five Safety concerns

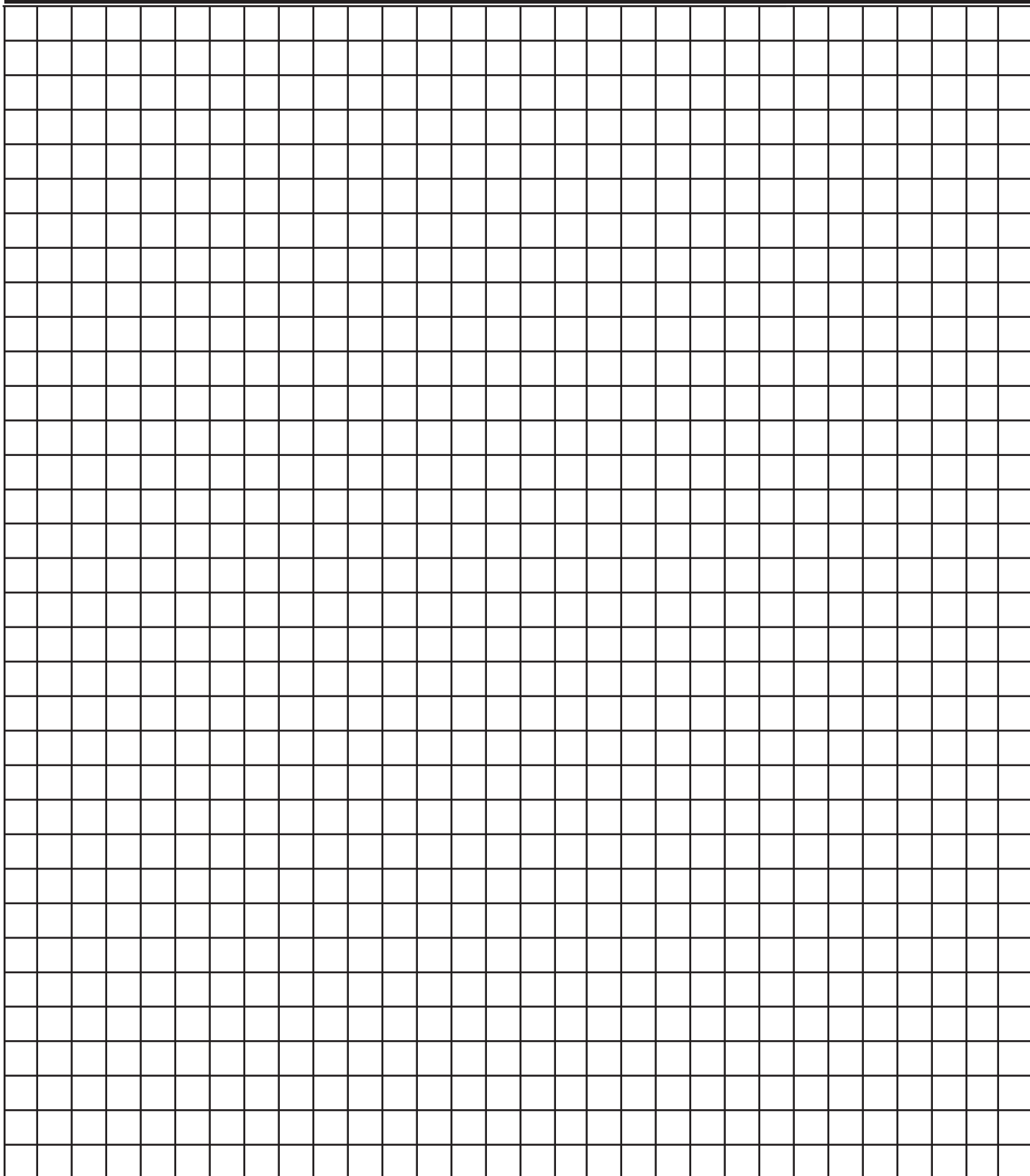
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Wooden Base:

What is the dimension of your wooden base? (Draw in the space below)

What are the characteristics of the wood you are using? Can you tell me the name of the wood? (If you need help do some research)

Cut the wood pieces to appropriate length. What tools and techniques are you going to use to make sure you get a square cut?

What two things are you looking for after you have created your reference edge?

Laminate the boards together (What should the end grains look like?)

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Presentation:

You will have 2.5 minutes to present your finished project to the class. During this presentation you should discuss the following ideas

- What was the problem given to you
- What constraints were given (could you work with those constraints?)
- How did you come up with ideas for your design
- What is your final design
- What part of the design did you find the most challenging?
- And how would you change it for next time

In case you forgot to touch on something during your presentation please add those comments in below.

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Assessment

Content

20% for Process Booklet

- Completed and handed in

20% for Safety Sheets

- Completed and handed in

10% for Presentation

- All presentation ideas covered

Skills

50% for Project (Student / Teacher Assessment)

- Range of Ideas
- Quality of Drawings
- Quality of Cuts
- Reference Edge
- Lamination
- Sanding
- Finishing
- Hammering with nails
- Stringing Techniques
- Safe Practices

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Range of ideas generated

Displays low range of design ideas in process booklet.	Displays a high range of design ideas in process booklet.	Displays a wide range of ideas for design in process booklet
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Quality of Drawing

Little to no attention to details and neatness.	Required attention to detail and neatness.	High attention to detail and neatness.
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Quality of Sawing

Cuts are off mark	Cuts are close to the mark on both axis.	Cuts are on the mark on both axis.
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Creating a Reference Edge

Not flat or level to reference end.	Flat with some irregularities close to 90 degree with reference end	Flat surface and 90 degrees with reference end.
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Lamination

Open seam with lots of gaps. End grain direction is in wrong direction.	Mostly seamless few gaps with correct grain orientation.	Seamless lamination with correct grain orientation
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Sanding

Rough with imperfections	Somewhat smooth with some imperfections.	Smooth with no imperfections.
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Finishing

No finish	Uneven finish	Clear even finish.
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Fastening

Nails not fastened correctly and crooked.	Nails fastened at mostly correct depth and are mostly straight.	Nails are fastened at correct depth and are straight.
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String Application

Does not compliment design.	Compliments the designs appearance.	Maximizes the designs appearance.
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Safety

Followed safe practices 0 -59% of the time	Followed safe practices 60-79% of the time.	Followed safe practices 80 - 100%.
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