

STRING ART CHALLENGE

Name

Date

Title

Block

Using the rubric provided mark your progress on the scales found below.

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

Quality of Drawing

Little to no attention to details and neatness.	Required attention to detail and neatness.	High attention to detail and neatness.

Quality of Sawing

Cuts are off mark	Cuts are close to the mark on both axis.	Cuts are on the mark on both axis.

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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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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How did you do? (Comment on how you did on this project and if there is anything you would like to change).

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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

Sanding

Rough with imperfections

Somewhat smooth with some
imperfections.

Smooth with no imperfec-
tions.

Finishing

No finish

Uneven finish

Clear even finish.

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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CONTENT - Students will know

- Historical and current contexts of wood working.
- Identification, characteristics, and properties of a variety of woods, both manufactured and natural.
- Elements of plans and drawings.
- Woodworking techniques.
- Traditional and non-traditional joinery using hand tools and power equipment.
- Options for reuse of wood and wood products.

CURRICULAR COMPETENCIES - Students will be able to

- Choose a design opportunity.
- Identify criteria for success.
- Generate potential ideas and add to others.
- Choose an idea to pursue.
- Develop a plan that identifies key stages and resources.
- Record iterations of prototyping.
- Gather peer/user/expert feedback.
- Make changes, troubleshoot and test again.
- Identify and use appropriate tools for production.
- Make a plan for production that includes key stages.
- Use materials in a way that minimizes waste.
- Reflect on design and thinking process.
- Demonstrate an awareness of safety.
- Identify and evaluate the skills and skill levels needed, individually or as a group, in relation to a specific task, and develop them as needed.

ACTIVITY 2: RUBRIC

This rubric will be self assessment and teacher assessment. The students will mark on the scale where they feel they belong in regards to their own personal assessment. After the students have assessed their work the teacher will mark where they feel they should be. From this point if there is any discrepancy, that is when a conversation can take place and proof of learning can happen.

The scale is a good option for those who feel they may not be completely in one category, it also allows the student and teacher to see where the student is in regards to their learning.