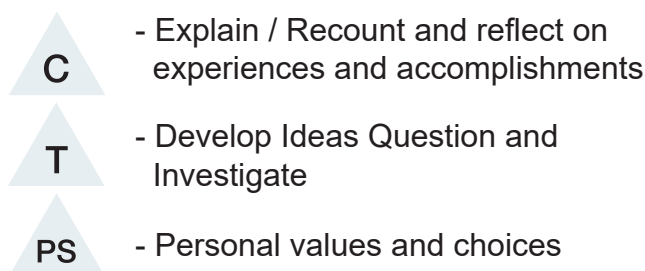


LESSON TWO

LAYOUT / DRAFTING ON GRAPH PAPER

Core Competencies



Big Ideas

Complex tasks
require the
acquisition of
additional skills

Design can be
responsive to
identified needs

Curricular Competencies

- Develop a plan that identifies key stages & resources.
- Record iterations of prototyping.
- Gather peer / user / expert feedback.
- Make a plan for production that includes key stages
- Identify and evaluate the skills and skill level needed

Content

- Elements of plans and drawing.

A

Chris Morris

Grade 8

ADST Woods

MATERIALS

- Info / process safety booklet
- Graph Paper
- Ruler
- Coloured Pencil
- Pencil / eraser

ASSESSMENT

- Quality of drawing
 - Straight lines
 - Precision
 - Nail placement
 - Cross section
- Approval of final draft

STRATEGIES

- Display class plan.
- Use visuals & graphics.
- Simplify sentence structure.

LESSON TWO

LAYOUT / DRAFTING ON GRAPH PAPER



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ADST Woods

OBJECTIVE

- Students will demonstrate through their work beginner drafting components.
- Students will draft a functional “to scale” layout of their design.
- Students will plan for the future development of their projects. Limitations (i.e. 50 nails)

OVERVIEW

- This lesson will introduce students on how to draft a functional “to scale” layout of their string art challenge projects. Students will; draft out their design, layout the location for their nails and create a small section showing how their string art will look.

DRAFTING -
A drawing, sketch,
or design.

DIMENSIONING -
Mark a diagram with
measurements.

LAYOUT -
The way in which
text or pictures are
set out on a page.

PRECISION -
The quality, condition, or
fact of being exact and
accurate.

TO SCALE-
The exact size of the
outcome.

* Students may need more time to complete their layouts. Additional time has been allotted in upcoming classes

Attendance	- Check to make sure students are in attendance.	TIME 5
Warm up	- Review class agenda (on board) <ul style="list-style-type: none"> - Introduce Drafting - Demonstrate drafting and layout techniques and skills. - Student work time. - End of class check in. 	10
Presentation	- Introduce the process of drafting <ul style="list-style-type: none"> - What is it used for - Why it is useful - Demonstrate the stages of drafting & layout on class demo: (Areas of focus) <ul style="list-style-type: none"> - Starting point - Measuring - Straight lines (rulers) - Placement of nails - Strung up section (2" x 2") 	20
Practice	- Students will now have in class time to draft and layout their projects.	35*
	- Connect verbally with all students and discuss their options.	
Reflection	- Gather ideas & opinions about project	10
	- Inform students about what is happening next class: (Sawing)	