

SUMMER ASSIGNMENT

12th Grade Art AP 3D

2025-2026 School Year

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Room # 138
Design & Architecture Senior High

OVERVIEW

Sketchbook & Maquette work:

1. 1 Sketchbook spread and maquette for summer piece based on prompt.
2. 2 Sketchbook spreads for 8" house assignment.
 - i. Must show how you plan to build the house with exact dimensions for cutting.
 - ii. Must specify the type and thickness of the wood you plan to use.
 - iii. Must specify materials and fasteners planned for roof construction.
 - iv. Must show what tools you plan to use and how.

Total 6 sketchbook pages (3 sketchbook spreads)

Sketchbook work must show visual and conceptual exploration and must be physical (not digital) and at least 8"x10" -no exceptions!

Final Works:

1. One Final Summer Piece must respond to the prompt and must be at least 18" in one direction. Will be graded based on concept, visual execution, and completion.
 - a. Required to create a working maquette for the piece before creating the final work, which will also be graded.
2. Prepare for 8" house build project and bring your own materials (you will collaborate with 1 or 2 classmate(s)) Be ready to build an 8" square house after the YoungArts submission deadline of Oct 7th. The house must be built from wood, and measure EXACTLY 8" in length, width and height, and have a sheet metal or plexiglass roof that rises to EXACTLY 12" above the ground. Construction methods allowed are: wood glue and clamps/nail gun, nails, screws, nuts and bolts, zip ties, and pop rivets. House must at least have 1 door opening on one side and 1 window on another side. For these openings any shape and dimension is allowed. Sheet metal must be 18 GA or thinner to enable cuts on the metal shear. Final pieces will be shown in the U-Hall after Christmas break
 - a. For planning purposes: Room 138 has a table saw, chop saw, radial saw, and circular saws, Mr. Evers can cut your pieces on. For this piece you are also able to use the band saws, jig saws, drill press, various hand drills, as well as the metal shear and metal brake to cut and bend sheet metal.

AND (for grades):

3. Upload your 11th grade 'End of the Year AP Drawing Powerpoint' to Schoology during 1st week of school.
4. 12th Grade Art Fee: -pay your \$50 art fee through OSP by August 29th for an extra credit grade!
5. Join our Class Remind during 1st week of school.

PROMPT: UNFOLD

Create a 3-Dimensional floor, pedestal or wall sculpture that can be folded/compressed into a single flat plane for easy storage and transport. The piece should be able to unfold, pop open/up, or be easily manipulated to take on its full 3-D form.

You can use any material, or combination of materials to fabricate your piece and any construction methods -except hot glue! Minimum dimension must be 18" in one direction and the piece needs to be able to stand or hang from the wall on it's own. You can approach this from a scientific, metaphorical, expressive, or formal/abstract perspective. Whatever your approach is, you should be able to explain your concept and your work should demonstrate good composition, attention to craft and detail, experimentation, and risk taking.

For inspiration:

Pop up tents:

<https://www.youtube.com/watch?v=Avic7ACUuZg>

Foldable furniture:

<https://sg.louisvuitton.com/eng-sg/magazine/articles/the-objets-nomades-collection#savoir-faire>

Foldable homes:

<https://mashable.com/video/ten-fold-engineering-foldable-homes>

Science applications:

<https://www.jpl.nasa.gov/news/solar-power-origami-style/>

Origami Square twist:

<https://www.instructables.com/Origami-Square-Twist/>

John Edmark

<http://www.johnedmark.com>

NB: DASH Seniors are REQUIRED to apply to YoungArts. The submission consists of 10 pieces which show conceptual and visual cohesion. Should be for (one of) the specific discipline(s) you intend to apply for: Design Arts, Film, Photography, or Visual Arts. (if you intend to apply for other disciplines such as writing that will be done separately from this class and this assignment.) Application deadline is October 7th.

<https://youngarts.org/apply/>

ABOUT THE SKETCH BOOKS

Must be at least 8"X10" (smaller sketchbooks will have points deducted). Spreads should be filled completely (no blank or unaddressed areas), and combine a variety of media (no pencil and pen sketches on blank paper)

Recommendations:

- Lay down a wash or ground on your sketchbook before drawing or painting.
- Combine and layer drawing and writing.
- Incorporate inspirational imagery to accompany your visual exploration (however, found images should not be the central focus)

ABOUT THE FINAL WORKS

- Summer Piece must be at least 18" in one direction.

DUE DATE

Final Works and Sketchbooks will be due the first week of classes. We will review your work in group critique during class. Keep in mind that you will need to bring your work to school, so be prepared to plan accordingly. Finally, be sure to start as soon as possible to make the best use of your time!

PLEASE FILL OUT THIS SURVEY



<https://forms.office.com/r/mfutsNR0au>

This survey is for me to have your name and contact information.

QUESTIONS?

If you have any questions, just ask. Feel free to email me with any questions over the summer!