

# SUMMER INTENSIVE:

Visual Storytelling | Portfolio Layout + Design Exercise

## Assignment 3 (Due July 22, 2025)

### Rhino Exercise

- Open a new Rhino 3D model
- Make sure the following Osnaps are on:
  - Endpoint
  - Point
  - Midpoint
- Make sure Planar, SmartTrack and Gumball are on
- Change units to feet
- Choose the Perspective viewport
- Change the projection of your viewport to Parallel
- Draw a 4'x4'x4' cube
- Select the cube and type ZS (zoom selected)
- Once you are happy with the view, save the view by typing NamedView and adding clicking the + sign. You will be able to go back to this saved view when you are ready to export it
- Create 16 new layers, ideally with a different color for each
- Use Copy>InPlace 16 times and add one cube to each layer
- Choose 16 cubes to model from the list at the end of this document
- Use the following commands:

Polyline

Rectangle

Array

Loft

ExtrudeCrv

Box

Split

Join

Rotate

Mirror

Cap

Boolean Union

Boolean Difference

Boolean Intersection

ExtrudeSrf

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- Once you are done modeling, use the command ViewCaptureToFile to export each cube image. Make sure you are the correct view set up. Export the image with a transparent background.
- Use a 16 module grid in InDesign and add your images on to this template

Inspiration + 1 more Rhino 3D Exercise

- Choose a flat/2D Constructivist painting or artwork
- Bring the PDF into Rhino through the import command
- Make 4-5 iterations of what you think your painting would like like if it was represented in 3D
- Export your saved views through ViewCaptureToFile
- Add the exported images on to a 11x17 landscape page

[Here's the link to the Miro board.](#)

[Here's the link to the Pinterest board.](#) You do not need to choose from these examples, feel free to choose the artwork that you like the best!

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