

1110: WEEK 11: Project 04b_CUBE: Axonometric drawing

OBJECTIVE:

Students will continue to develop strategies for translating 2D lines into 3D form. This exercise sharpens the ability to observe, interpret, and analyze form through the creation of axonometric drawings.

DESCRIPTION:

The student will use paraline drawings as a tool for developing and constructing with precision the translation of their grid design into three dimensional shapes. Sectional drawings will be introduced as a tool to reveal interior spaces within the constructs.

Lab & Homework:

PROCESS:

1. Draw an isometric of your final foam cube model.
2. Select 6 sectional cuts approximately $\frac{1}{2}$ " from the surface of each face.
3. Use lineweights, hatching and colored lead to identify the cross sectional areas.
4. Use construction lines and heavy dashed lines to extend (explode) the section cuts away from the cube to illustrate the section clearly.
5. Final drawings should be on vellum or mylar, paper sized to show all six sectional cuts clearly and with no overlaps on the original cube at the center of the drawing.

SKILLS: 3D Drafting, composition, and problem solving

FINAL REQUIREMENTS: Shaded Isometric Drawing with sectional cuts

