

FINDING SPACE IN PATTERN

PROJECT LINK 2009, WEEK ONE
OCCUPYING AN ABSTRACTION



EXPLODING A PATTERN

Patterns are found everywhere in nature and are also interesting ways to represent simple ideas. More importantly, a pattern can help to show a process or capture an idea spatially in two dimensions. A pattern can help to solve a problem or provide evidence of the existence of something. Patterns are important icons and artifacts that help illustrate the world around us, however with that being said we only have one problem. A pattern, or atleast the pattern we have provided you is only two dimensional and in order for it to be considered spatial we need it to be three dimensional. Is it possible to find and make space from a two dimensional image?

ASSIGNMENT

Students will analyze a pattern provided by the instructors and find ways to extrude the shapes of the pattern into drawn spaces. By focusing solely on projected axonometric drawing, each student will work out how to find spaces within the represented, two dimensional idea. The main goal is to have each student understand the role of the axonometric drawing in representing ideas of space and occupation. Along with this, we want each student to not fear the abstract or under-defined and allow their imagination to find new ideas in translating one thing to another.

SUPPLIES

18 x 24 pieces of paper (3 per student)

pencils

straight edge

triangle

eraser

colored pencils

markers

trace paper

DUE WEDNESDAY BEFORE LUNCH, 07/08

We will meet in small groups before lunch on Wednesday to discuss everyone's progress. This assignment is intended to be a quick investigation into finding and representing space through projection and the drawings will become interesting investigations into how to do this. Students who have interest in developing their pattern assignment further will have additional time on Thursday afternoon. All first weeks work will be pinned up and reviewed as a group on Friday in Piper Auditorium.

EXPLODING A PATTERN

Below is an example of how to begin to extrude a pattern vertically to make it a three dimensional object. Inherent to all six patterns are simple formal attributes that could easily become ways to help inform how the pattern gets extruded. Below are a simple series of step by step instructions for how to set up your drawing.

1. Each pattern is already set up at a 45 degree angle. Tape your drawing down to your desk and make sure that the drawing is at a 45 degree angle.
2. Extending vertical lines of equal length from points will show you where the object exists in space. Take for instance an object that is two inches above the pattern plane. If every line is 2 inches that extends from a point on the pattern plane to a point directly above that in space then you have located the first point in space.
3. Experiment with the vertical line that is extending the pattern plane by angling it.

