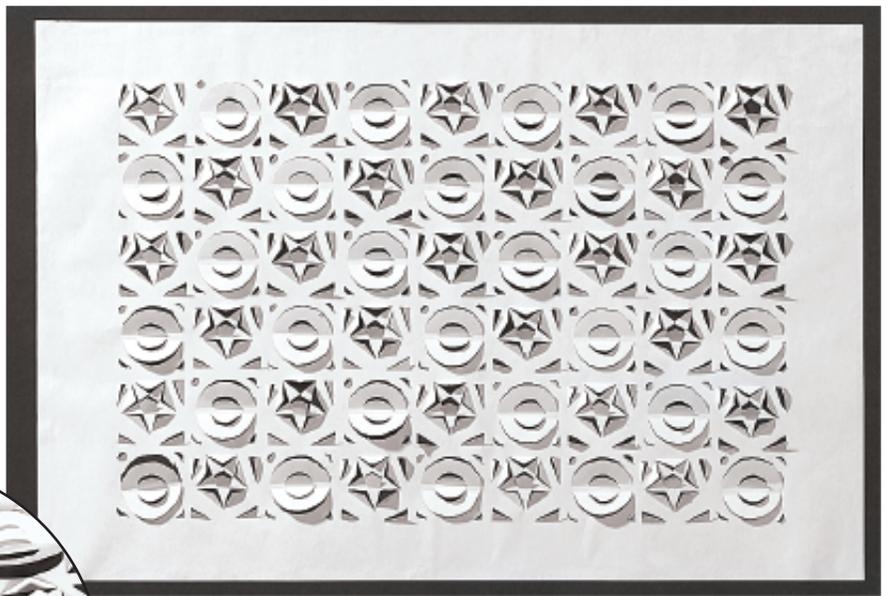


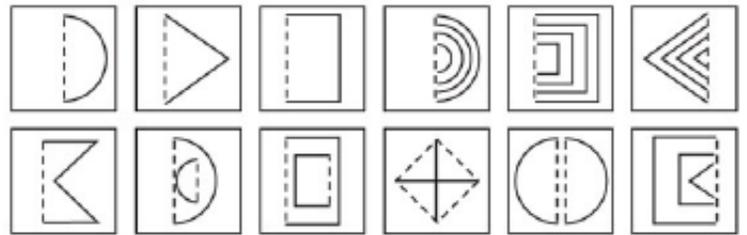
# Light-Capturing Cut Paper Designs

Students will create an alternating and repetitive pattern using at least two original designs. The completed cut paper design will be exposed to a direct source of light (spotlight) in order to form an overall pattern with structural and tonal counterchanges.



## Grade Levels

9-12



## Process

1. Divide the 12" x 18" piece of drawing paper into 2" x 2" squares, using T-square ruler.
2. With a pencil and the aid of the ruler and architectural template, practice drawing each of the designs pictured above right in the 2" x 2" squares. The dashed lines are where the paper should be folded the solid lines are where the paper should be cut. The designs should be centered within the squares.
3. Use an art knife, carefully cut the designs as shown in the diagrams. Fold over the dotted lines carefully, forming the required creases. Fold each tab to produce the relief effect.
4. With the remaining 2" x 2" squares, experiment with your own creative ideas using the preliminary designs as a springboard. Choose at least two designs as your most effective.
5. On the 18" x 24" drawing paper, use the T-square and a graphite pencil to measure and lightly mark a 2" border on all sides. This will create a rectangle sized 14" x 20".
6. Create a grid within the rectangle with 2" x 2" squares — seven vertically and ten horizontally.

## Materials

C-Thru® Junior T-Square

(55451-1012) 12", need one per student

C-Thru® Architectural Templates

(55475-1006), need one per student

Blick E-Z Grip Knives (57419-2980), need one per student

Blick Economy Graphite Pencils, box of 12, (20302-2009), need one per student

Blick White Sulphite Drawing Paper, 80-lb

12" x 18" sheets (10209-1079) and 18" x 24" sheets (10209-1049), need one each size per student

Peacock™ Railroad Board, 6-ply, Black (13105-2102), need one sheet per student

## Process, continued

7. Use the template, ruler, and a pencil to duplicate your own designs, creating a pattern by alternating your designs square to square. Carefully cut out your designs with the art knife.
8. Turn over the paper and fold and crease where needed. Flipping over the paper to the back side eliminates the need to erase the pencil marks on the front of the paper.
9. Mount the finished paper sculpture to a black railroad board for high contrast and a dramatic presentation.

## Options

- To see the full effect of the shadows within the patterns, view with a spotlight over the paper sculpture to enhance contrast and design.

## National Standards

Content Standard #1 — Understanding and applying media, techniques, and processes

**9-12** Students conceive and create works of visual art that demonstrate an understanding of how the communication of their ideas relates to the media, techniques, and processes they use

Content Standard #2 — Using knowledge of structures and functions

**9-12** Students create artworks that use organizational principles and functions to solve specific visual arts problems

**Lesson Plan and Artwork submitted by  
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