

INTERMEDIATE
SKILL

Refract

designed by Tamara Kate
featuring *Horizon* fabrics by Grant Haffner

SIZE: 59" x 68"

PATTERN REQUIRES ANGLED PIECING



FREE
PROJECT

PLEASE NOTE: BEFORE MAKING YOUR PROJECT, CHECK FOR ANY PATTERN UPDATES AT WINDHAMFABRICS.COM'S FREE PROJECTS SECTION.



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Fabric Requirements

Skill Level: Intermediate (angled piecing)



51704D-X multi

½ Yard



51705D-X Multi

1 Yard



51706D-X Multi

½ Yard



51708D-X Multi

½ Yard



51709D-X Multi

1 Yard



51711D-X Multi

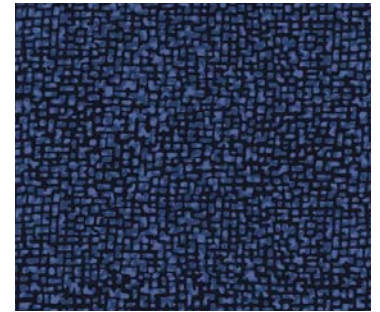
1 Yard



BINDING FABRIC:
51708D-X Multi

½ Yard

SUGGESTED BACKING:



from Bedrock:

50994-4 Navy 2 Yards

Attn: This fabric is a wide back (108" wide).

For regular 44" wide fabrics, use 4 Yards.

Also Needed:

- 64" x 72" quilt batting.
- A 30/60° acrylic ruler (at least 8" high), a long acrylic ruler, a rotary cutter, cutting mat, thread, pins.

PROJECT DISCLAIMER: Every effort has been made to ensure that all projects are error free. All the information is presented in good faith, however, no warranty can be given nor results guaranteed. Therefore, we assume no responsibility nor damages that may occur when referring to this pattern. When errors are brought to our attention, we make every effort to correct and post a revision as soon as possible. We suggest you check windhamfabrics.com for pattern updates and to test the pattern prior to making the project. Test templates first, before cutting all the pieces. Free projects are not for resale.



NOTE: For best results, read through all instructions prior to starting.

Cutting Instructions:

- Binding fabric: - Cut 6 strips 2¼" x WOF (width of fabric). Set aside for binding.

- Patterned Fabrics:

51704D-X, 51706D-X, 51708D-X: - Cut 2 strips 8" X WOF from each fabric.

51705D-X, 51709D-X, 51711D-X: - Cut 4 strips 8" X WOF from each fabric.

All 8" strips: - Lay 2 strips of the same fabric on top of each other, **right sides together** (RST), keeping the same selvedge of each piece on the same side (to ensure the stripes of the fabric pattern align). Cut strips into 9 (4½" X 8") rectangle pairs. Keep the pairs of rectangles RST.

Diagram 1 #1: Align the centre line of the 30/60° ruler with the right edge of the rectangles and cut diagonally, starting and stopping ⅛" from top right and bottom left of fabric. **Diagram 1 #2:** This will result in 2 sets of matching triangles.

Repeat this with all the strips of fabrics, being sure to keep the resulting triangle pairs together.

Layout Instructions:

- It is best to lay out the entire quilt prior to piecing in order to form Large Triangles of smaller triangles that work well together.

Diagram 1 #3: Using the quilt photo as a guide, start forming larger triangles made of the triangle pairs you have cut as well as Half Triangles that run along the quilt top and bottom.

HINT: The printed stripes on the 3 sets of triangle pairs needed for each Large Triangle don't need to match perfectly. In fact, the large triangles that match a bit less give the quilt a bit more dynamic energy. The more variation with the triangles, the more "vibration" in the aesthetic. The more the stripes match, the more harmonious and calm the overall look. I opted for a bit of both in the example shown.

The quilt consists of the following number of Large Triangles & Half Triangles:

51704D-X: 6 Large Triangles

51705D-X: 9 Large Triangles & 6 Half Triangles

51706D-X: 5 Large Triangles & 2 Half Triangles

51708D-X: 6 Large Triangles

51709D-X: 10 Large Triangles & 2 Half Triangles

51711D-X: 9 Large Triangles

Piecing Instructions:

NOTE: All seam allowances are ¼". Press all seams open as you go. Refer to **Diagram 1** for block construction steps, on page 3.

HINT: When working with the triangles, be careful not to stretch them along the bias edge as this could distort your edges.

FOR FOLLOWING STEP, REFER TO PAGE 3 DIAGRAMS

- The quilt top consists of 5 vertical columns. Piece each column separately, starting at the top of the quilt and working down: **Diagram 1 #4:** With RST, sew together 2 triangles (matching points of triangles) along the long bias edge, then add the third triangle along the short edge as shown.

Diagram 1 #4A: This results in a Half Triangle. **Diagram 1 #5:** Piece the next Half Triangle in the same fashion, then, matching the seams that intersect, sew these 2 Half Triangles together. **Diagram 1 #5A:** This results in a Rectangle Block. Continue making Rectangle Blocks as you work down the column. **Diagram 1 #6:** Sew the blocks together in order, matching the intersecting seams. **Diagram 1 #6A:** This results in a finished column. When all 5 columns are completed, Sew them together in order.

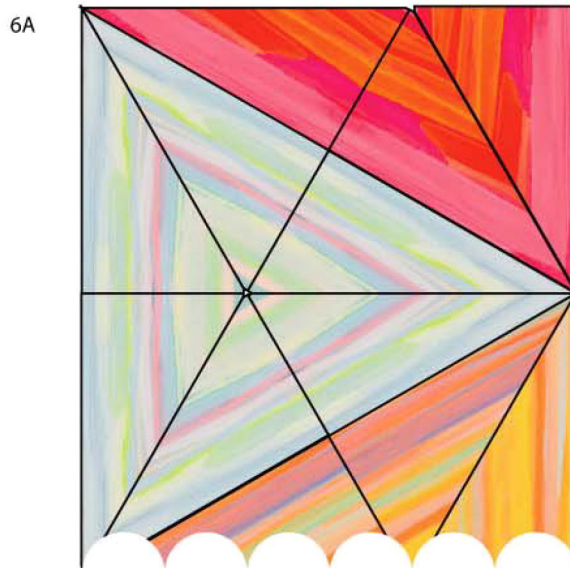
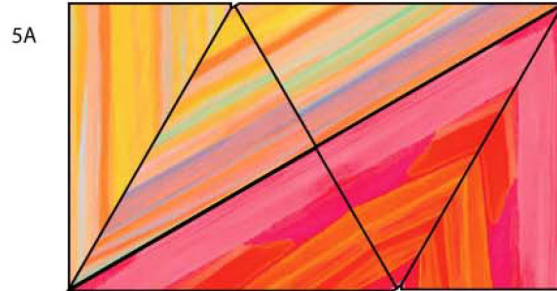
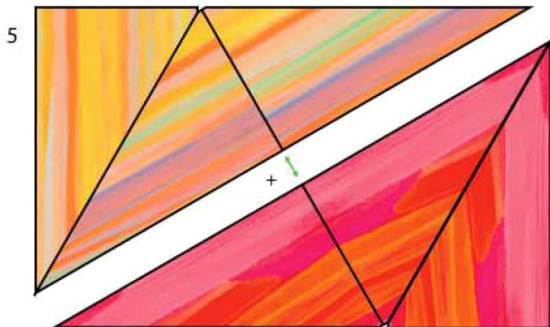
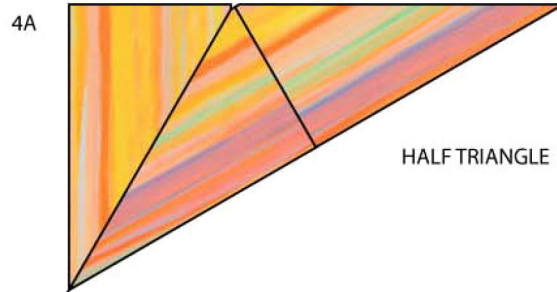
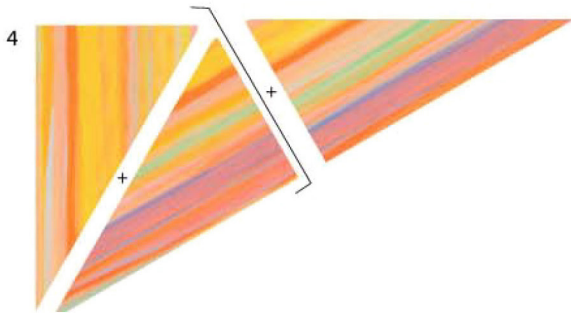
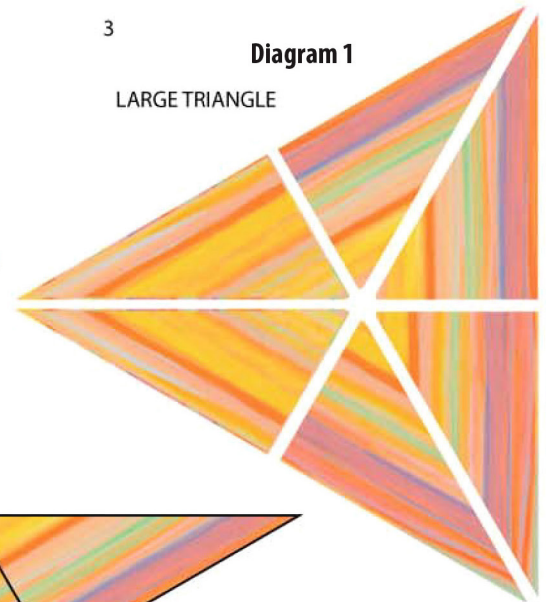
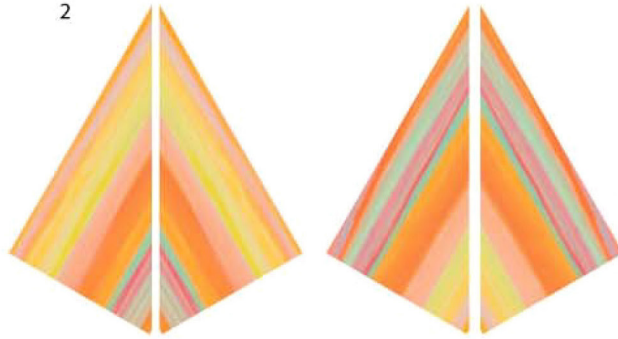
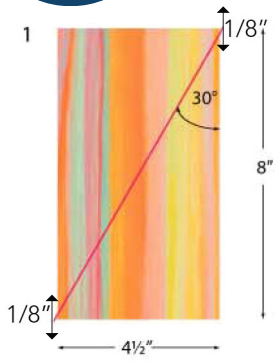
Assembling Quilt:

Layer backing, batting and quilt top. Baste or pin.

Quilt as desired. I used straight line walking foot quilting within each triangle at random intervals.



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— cutting line
— align seams