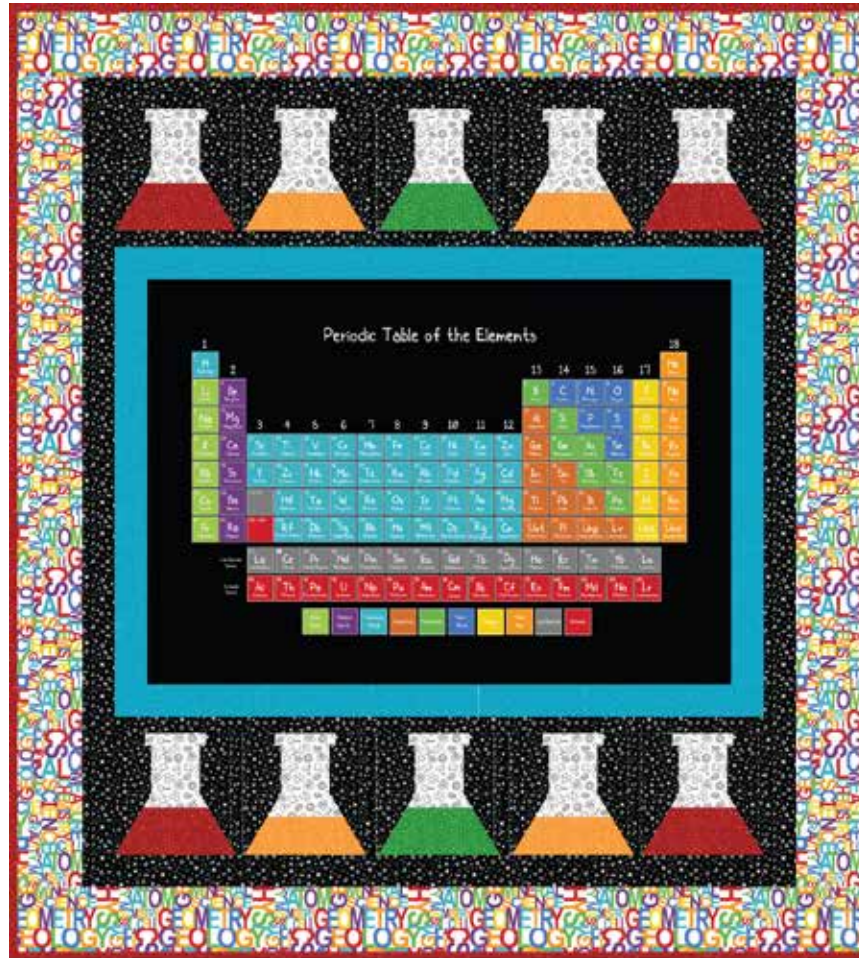


# Science Beakers

designed by Lisa Swenson Ruble

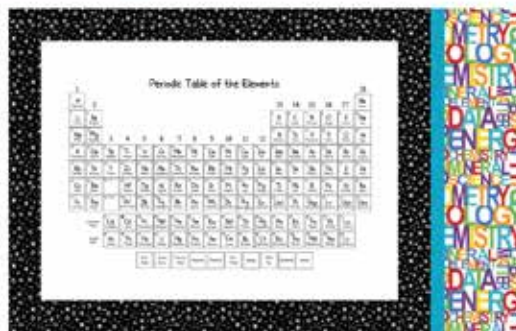
featuring the It's Elementary collection by Rosemarie Lavin

QUILT SIZE: 52" x 58"; 16" SQUARE THROW PILLOW AND 30" x 20" PILLOWCASE



FREE  
PROJECT

Throw Pillow



Pillowcase

THIS IS A DIGITAL REPRESENTATION OF THE QUILT TOP, FABRIC MAY VARY.

**PLEASE NOTE:** BEFORE MAKING YOUR PROJECT, CHECK FOR ANY PATTERN UPDATES AT [WINDHAMFABRICS.COM](http://WINDHAMFABRICS.COM)'S FREE PROJECTS SECTION.



# Science Beakers

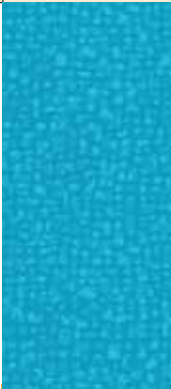




**Notes:** Be sure to read the entire pattern before you begin. This pattern uses paper piecing for the bottom of each beaker block (fabric pieces indicated with a PP). Cutting and yardage are for all (3) projects.

KEY	FABRIC	SKU	YD	CUTTING INSTRUCTIONS
A		52038P-X Multi	1	Trim colored section to 35-1/2" x 25-1/2". Trim black and white section to 22-1/2" x 16-1/2".
B		52039-2 White	1-1/8	(1) 9" x 40-1/2" strip for pillowcase. (5) 4-1/2" x WOF strips. Sew short ends together and subcut (2) 4-1/2" x 52-1/2" strips and (2) 4-1/2" x 50-1/2" strips.
C		52040-2 White	3/8	(1) 3-1/2" x WOF strips. Subcut (11) 3-1/2" squares (1) 3-1/4" x WOF strip. Subcut (4) 3-1/4" x 6" pieces (for PP2). (2) 2-1/2" x WOF strips. Subcut (7) 2-1/2" x 5" pieces (for PP2) and (11) 1-1/4" x 4-1/2" pieces.
D		52041-1 Black	2-1/4	(1) 20-1/2" x 26-1/2" piece for pillowcase. (4) 3-3/4" x WOF strips. Subcut (22) 3-3/4" x 6" pieces (for PP3 and PP4) (3) 2-3/4" x WOF strips. Subcut (2) 2-3/4" x 12-1/2" and (2) 2-3/4" x 8" pieces for throw pillows and (22) 2-3/4" x 3-1/2" pieces. (8) 2-1/2" x WOF strips. Sew (3) strips short ends together and cut (2) 2-1/2" x 50-1/2" strips. From remaining (5) strips, cut (2) 2-1/2" x 26-1/2" and (2) 2-1/2" x 16-1/2" strips for pillowcase and (2) 2-1/2" x 40-1/2" strips. (1) 2-1/4" x WOF strip. Subcut (22) 2-1/4" x 1-1/4" pieces. (2) 1-1/2" x WOF strips. Subcut (2) 1-1/2" x 40-1/2" strips. (1) 1-1/4" x WOF strip and (1) 1" x WOF strip. Subcut (4) 1" x 8" and (4) 1-1/4" x 8" pieces.

**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 <sup>1</sup> first, before cutting all the pieces. Free projects are not for resale.



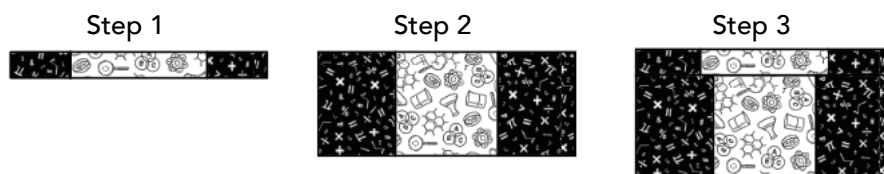
# Science Beakers

KEY	FABRIC	SKU	YD	CUTTING INSTRUCTIONS
E		50087-68	1	(1) 16-1/2" x WOF strip. Subcut (1) 16-1/2" square, (2) 2-1/2" x 16-1/2" pieces and (2) 2-1/2" x 12-1/2" pieces (for throw pillow) (2) 3" x WOF strips. Subcut (2) 3" x 25-1/2" strips. (2) 2-1/2" x WOF strips. Subcut (2) 2-1/2" x 40-1/2" strips. (1) 2" x 40-1/2" strip (for pillowcase)
F		50087-21 Marigold	1/4	(1) 4" x WOF strip. Subcut (4) 4" x 9" pieces (for PP1)
G		50087-5 True Red	3/4	(2) 4-1/2" x WOF strips. Subcut (5) 4-1/2" x 9" pieces (for PP1) (6) 2-1/2" x WOF strips for binding.
H		50087-62 Cut Grass	1/8	(1) 4-1/2" x WOF strip. Subcut (2) 4-1/2" x 9" pieces (for PP1)
		Backing	3-1/3	60" x 66" piece of batting

Additional Supplies: 16" square pillow form

## MAKING THE BEAKER BLOCKS

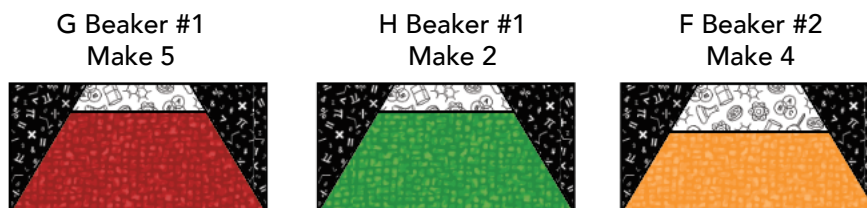
1. Sew **D** 1-1/4" x 2-1/4" pieces to both short ends of (1) **C** 1-1/4" x 4-1/2" piece.
2. Sew **D** 2-3/4" x 3-1/2" pieces to opposite sides of (1) **C** 3-1/2" square.
3. Sew the unit from step 1 to the unit from step 2 to make a beaker top unit. Make (11).



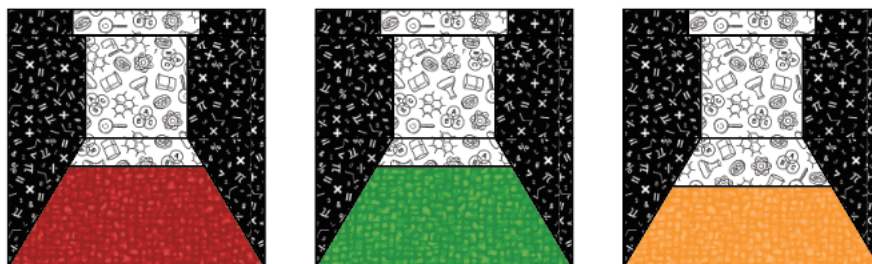


# Science Beakers

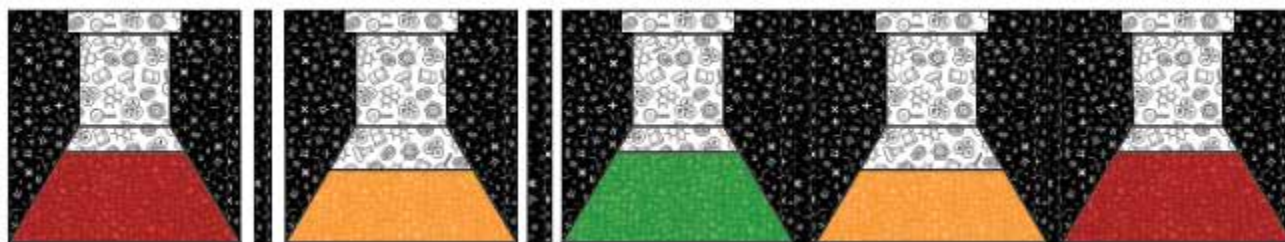
4. Using the Beaker Base paper piecing templates on pages 8 and 9 and your favorite paper piecing method, make a total of (5) **G** Beaker #1 base units, (2) **H** Beaker #1 base units, and (4) **F** Beaker #2 base units. Bases should measure 8" x 4-1/4". Remove paper from beaker base units.



5. Sew (1) beaker top unit to each beaker base unit to make an 8" square block. Make (11).



6. Sew (2) **D** 1-1/4" x 8" pieces to opposite sides of (1) **H** beaker block. Sew (1) **F**, block, (1) **D** 1" x 8" piece and (1) **G** block on each side to make a block row. Make (2) block rows. Reserve remaining **G** beaker block for the throw pillow.



## ASSEMBLING THE QUILT

7. Sew **E** 3" x 25-1/2" strips to opposite sides of the **A** 35-1/2" x 25-1/2" panel. Sew **E** 2-1/2" x 40-1/2" strips to the top and bottom.

8. Sew **D** 1-1/2" x 40-1/2" strips to the top and bottom of the panel section from step 6.

9. Sew block rows to the top and bottom of the quilt center.

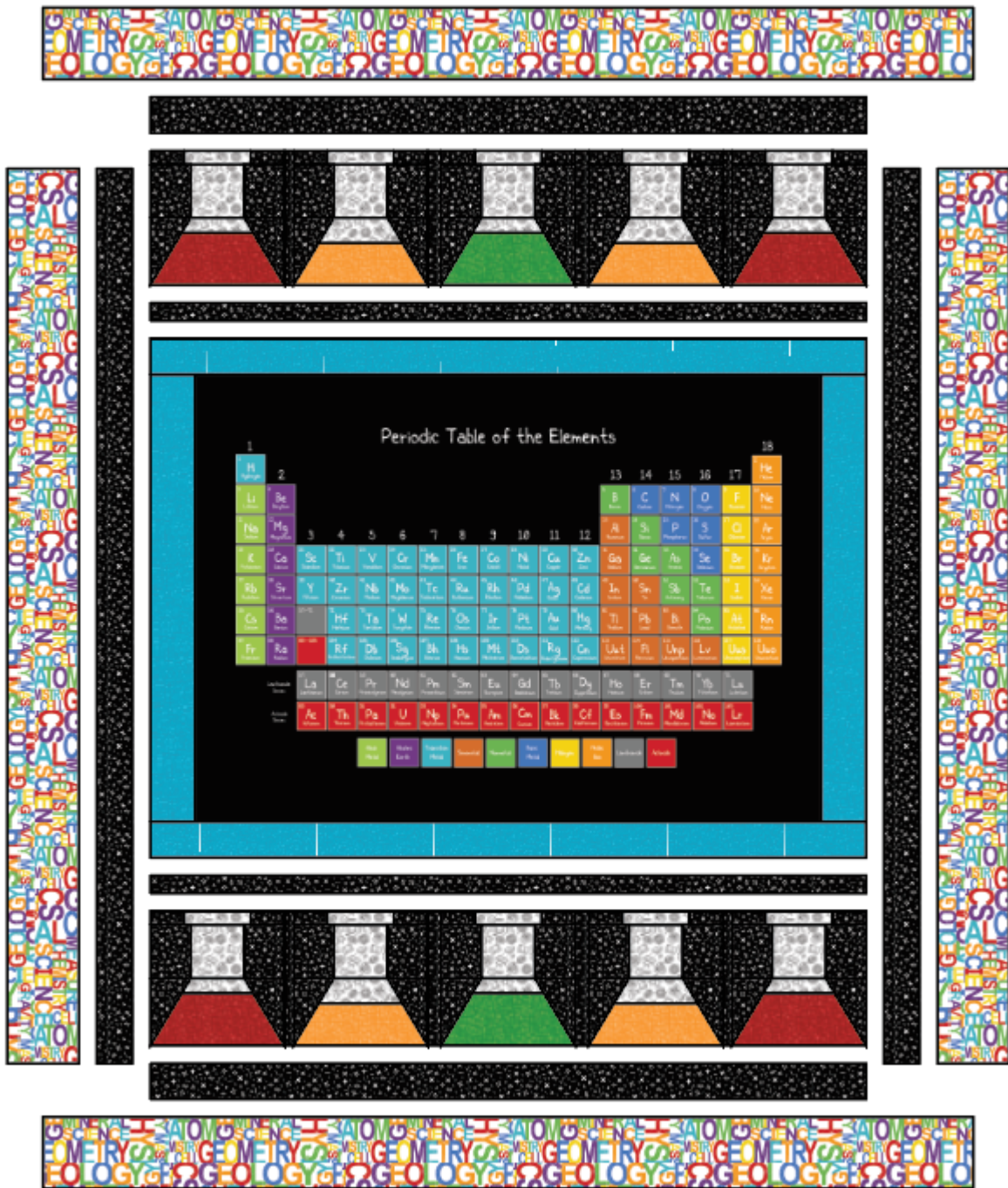
10. Sew **D** 2-1/2" x 40-1/2" strips to the top and bottom of the quilt center.

11. Sew **D** 2-1/2" x 50-1/2" strips to the left and right sides of the quilt center.

12. Sew **B** 4-1/2" x 50-1/2" strips to the left and right sides of the quilt center. Sew **B** 4-1/2" x 52-1/2" strips to the top and bottom to complete the quilt top.



# Science Beakers



**Quilt Assembly Diagram**

## FINISHING

**13.** With the backing laying taut, place batting and then quilt top to form the quilt sandwich. Baste the sandwich and quilt as desired.

**14.** Bind using the Fabric **G** strips to finish the quilt.



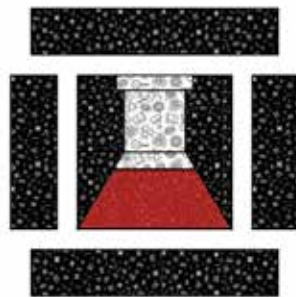
# Science Beakers

## MAKING THE THROW PILLOW

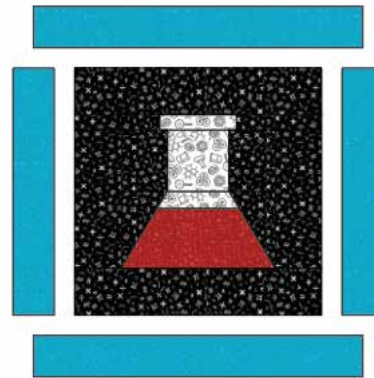
**15.** Sew **D** 2-3/4" x 8" pieces to opposite sides of the remaining **G** beaker block. Sew **D** 2-3/4" x 12-1/2" pieces to the top and bottom.

**16.** Sew **E** 2-1/2" x 12-1/2" pieces to opposite sides of the unit from step 15. Sew **E** 2-1/2" x 16-1/2" pieces to the top and bottom to complete the pillow front.

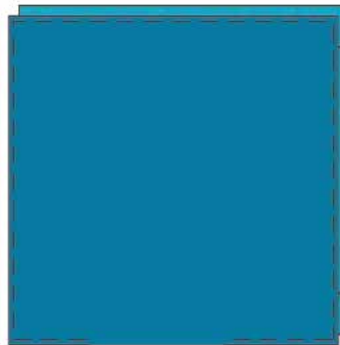
Step 15



Step 16



**17.** Layer the **E** 16-1/2" square right sides together on the pillow front. Stitch around all (4) sides using a 1/4" seam allowance and leaving an 8" opening along one edge for turning. Turn right side out, stuff with pillow form, and slip stitch the opening closed.



## MAKING THE PILLOWCASE

**18.** Sew **D** 2-1/2" x 16-1/2" pieces to opposite sides of the **A** 22-1/2" x 16-1/2" panel piece. Sew **D** 2-1/2" x 26-1/2" pieces to the top and bottom.

**19.** Sew the **D** 26-1/2" x 20-1/2" piece to the panel piece from step 18 to make the pieced pillowcase unit.



# Science Beakers

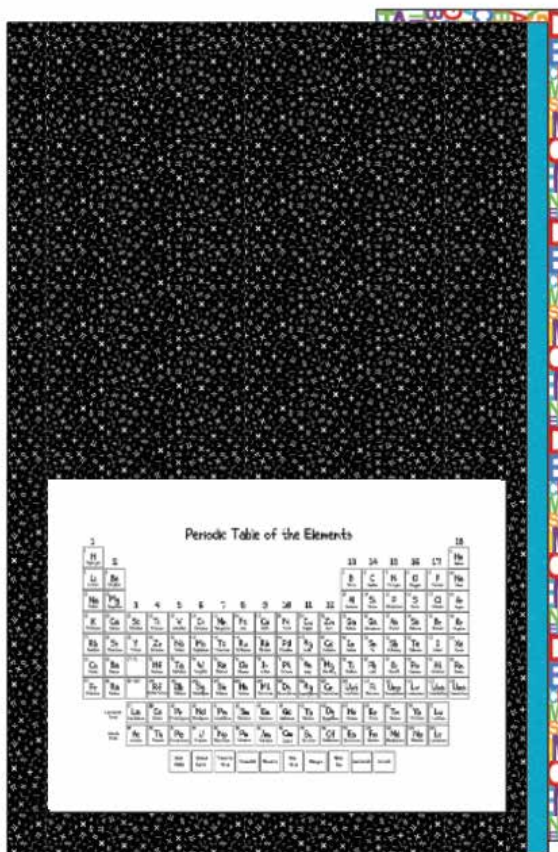
**20.** Fold the **E** 2" x 40-1/2" strip in half lengthwise, wrong sides together, and press to make a flange.



**21.** Lay the **B** 9" x 40-1/2" strip right side up. Layer the pieced pillowcase unit on top, right side up, matching raw edges. Lay the flange on top, matching raw edges. Pin raw edges to secure.

**22.** Roll the pieced pillowcase unit up and fold the opposite long edge of the **B** strip around it, enclosing the rolled section inside. Align raw edges of the **B** strip and pin to secure. Stitch using a 1/4" seam allowance.

Step 21



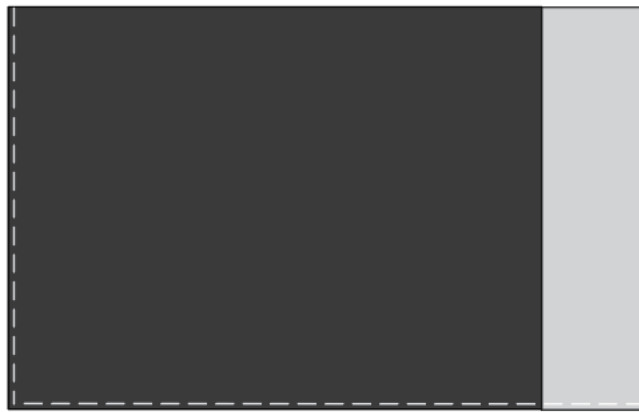
Step 22





# Science Beakers

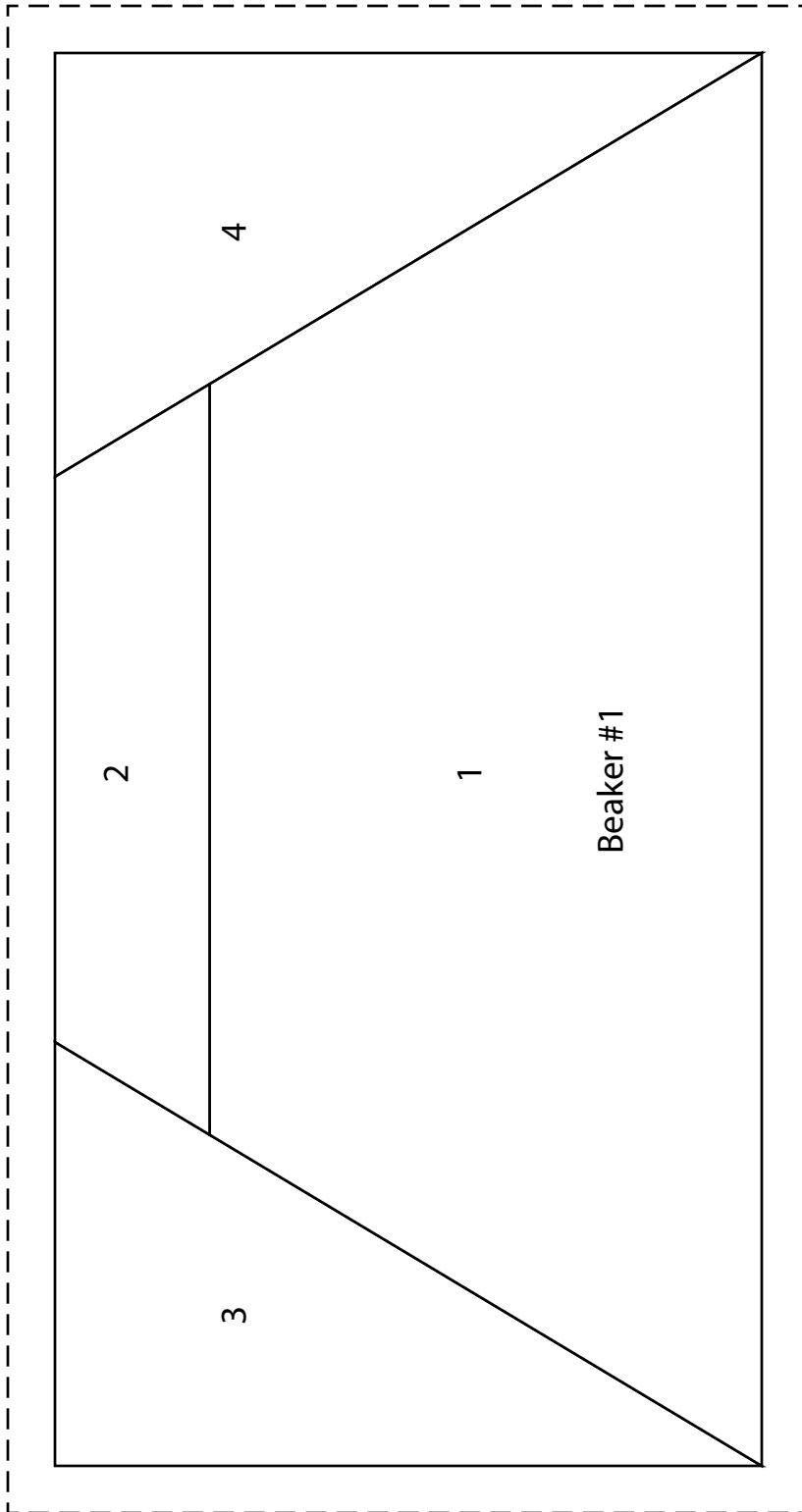
**23.** Pull the pillowcase unit out from inside the finished cuff and press flat. Fold the pillowcase in half, right sides together, and stitch along side and bottom raw edges, backstitching at the beginning and end. Zigzag stitch over seam allowances to prevent fraying. Turn pillowcase right side out and insert pillow.





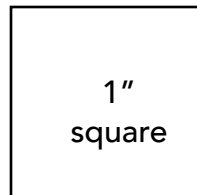


# Science Beakers



Foundation pattern  
shown at 100%.  
Print 7 copies.

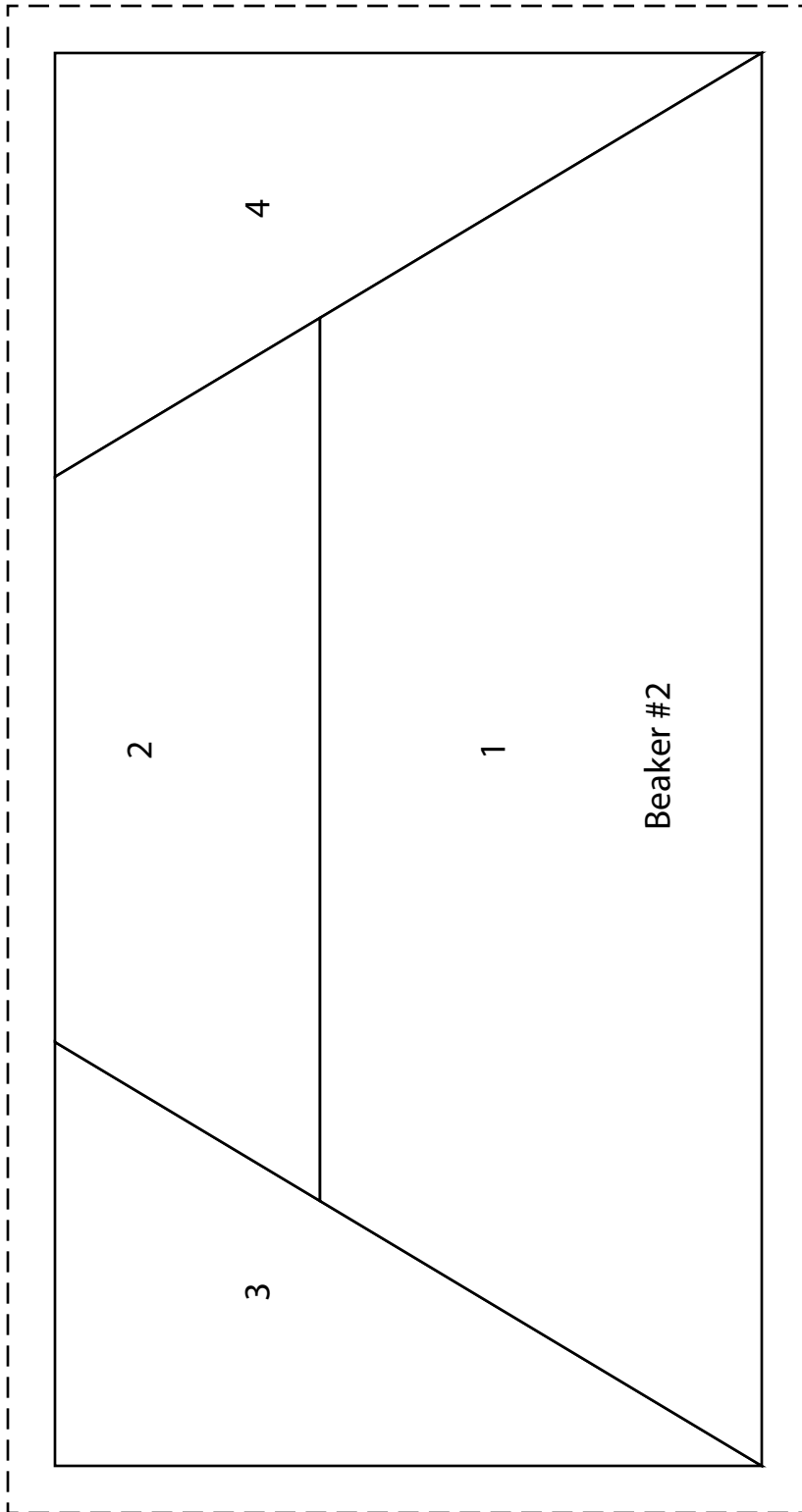
Beaker #1



1"  
square



# Science Beakers



Foundation pattern  
shown at 100%.  
Print 4 copies.

