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Astronomy 101

Finished quilt size: 66 $\frac{1}{2}$ " x 78 $\frac{1}{2}$ "

quilt pattern

DESIGNED BY STACEY DAY
staceyinstitches.wordpress.com
Featured fabrics: Starstuff

by

Rae Ritchie

Sparkle and shine. Star blocks shimmer in a sea of midnight hues. Stitch up this sweet dream of a quilt in the perfect palette of prints from Rae Ritchie's *Starstuff* collection.










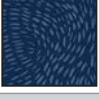
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ASTRONOMY 101 QUILT PATTERN

Note: Label cut pieces with letter ID for easier construction.

Materials and Cutting

Fabric		Yardage	Cutting
	Galaxy Stella-SRR1852 Multi	3 ¹ / ₃ yards	Cut: 6 strips, 6 ¹ / ₂ " × width of fabric (WOF). Sub-cut 60 A1 rectangles, 3 ¹ / ₂ " × 6 ¹ / ₂ ". 17 strips, 3 ¹ / ₂ " × WOF. Reserve 8 strips for the outer border. From the remaining strips, sub-cut 60 A2 squares, 3 ¹ / ₂ " × 3 ¹ / ₂ ", and 60 A3 rectangles, 2" × 3 ¹ / ₂ ". 3 strips, 2" × WOF. Sub-cut 60 A4 squares, 2" × 2".
	Mushrooms Stella-SRR1851 Navy	1 ¹ / ₄ yards	Cut: 3 strips, 6 ¹ / ₂ " × WOF. Sub-cut 32 B rectangles, 3 ¹ / ₂ " × 6 ¹ / ₂ ". 8 strips, 2 ¹ / ₄ " × WOF, for binding.
	Planets Stella-SRR1854 Multi	3/4 yard	Cut: 2 strips, 6 ¹ / ₂ " × WOF. Sub-cut 8 C1 squares, 6 ¹ / ₂ " × 6 ¹ / ₂ ". 3 strips, 3 ¹ / ₂ " × WOF. Sub-cut 32 C2 squares, 3 ¹ / ₂ " × 3 ¹ / ₂ ".
	Starstuff Stella-SRR1853 Multi	3/4 yard	Cut: 2 strips, 6 ¹ / ₂ " × WOF. Sub-cut 7 D1 squares, 6 ¹ / ₂ " × 6 ¹ / ₂ ". 3 strips, 3 ¹ / ₂ " × WOF. Sub-cut 28 D2 squares, 3 ¹ / ₂ " × 3 ¹ / ₂ ".
	Foxy Stella-SRR1855 Multi	3/4 yard	Cut: 3 strips, 6 ¹ / ₂ " × WOF. Sub-cut 28 E rectangles, 3 ¹ / ₂ " × 6 ¹ / ₂ ".
	Mushrooms Stella-SRR1851 White	1/2 yard	Cut: 1 strip, 3 ¹ / ₂ " × WOF. Sub-cut 8 F1 squares, 3 ¹ / ₂ " × 3 ¹ / ₂ ". 4 strips, 2" × WOF. Sub-cut 64 F2 squares, 2" × 2".
	Globes Stella-SRR1850 White	3/8 yard	Cut: 1 strip, 3 ¹ / ₂ " × WOF. Sub-cut 7 G1 squares, 3 ¹ / ₂ " × 3 ¹ / ₂ ". 3 strips, 2" × WOF. Sub-cut 56 G2 squares, 2" × 2".
	Dash Flow Stella-SRR1300 Riviera	5 yards	Remove selvages and cut yardage into two equal lengths for backing.
Other			
	Batting	74" x 86"	

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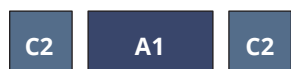
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ASTRONOMY 101 QUILT PATTERN

Note: All seam allowances are $\frac{1}{4}$ " unless otherwise specified. Press seam allowances open unless otherwise indicated.

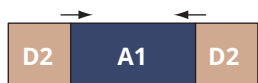
Make the Nine-patch Blocks

① Sew a **C2** square to each short end of an **A1** rectangle. Press the seam allowances toward the rectangle. Make 16 **A1/C2** units.



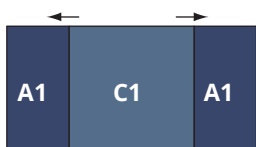
A1/C2 unit
Make 16.

Sew a **D2** square to each short end of an **A1** rectangle. Press the seam allowances toward the rectangle. Make 14 **A1/D2** units.



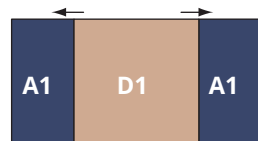
A1/D2 unit
Make 14.

② Sew an **A1** rectangle to either side of a **C1** square. Press the seam allowances toward the rectangles. Make 8 **A1/C1** units.



A1/C1 unit
Make 8.

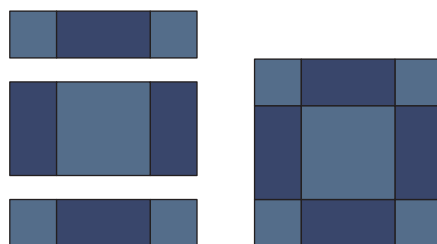
Sew an **A1** rectangle to either side of a **D1** square. Press the seam allowances toward the rectangles. Make 7 **A1/D1** units.



A1/D1 unit
Make 7.

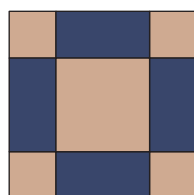
③ Sew one **A1/C2** unit to the top, and another to the bottom edge of an **A1/C1** unit to make a Nine-patch block. Press the seam allowances toward

the block center. Make 8 **A/C** Nine-patch blocks.



A/C
Nine-patch Block
Make 8.

Sew one **A1/D2** unit to the top, and another to the bottom edge of an **A1/D1** unit to make a Nine-patch block. Press the seam allowances toward the block center. Make 7 **A/D** Nine-patch blocks.



A/D
Nine-patch Block
Make 7.

Make the Star Units

① Draw a diagonal line from corner to corner on the wrong side of each **F2** square. Noting the orientation of the marked line, place one marked square right sides together on one end of an **A3** rectangle, as shown. Sew on the marked line. Trim the excess corner fabric, leaving a $\frac{1}{4}$ " seam allowance. Press the triangle open. Repeat to add a second **F2** triangle on the opposite end of the rectangle, to make one Flying Geese unit. Make 32 **F2/A3** Flying Geese units.



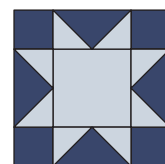
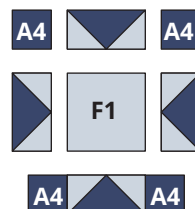
F2/A3
Flying Geese unit
Make 32.



G2/A3
Flying Geese unit
Make 28.

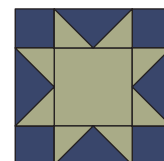
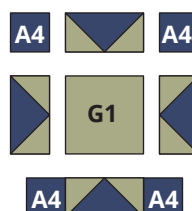
② Repeat step 1, using **G2** instead of **F2** squares, to make 28 **G2/A3** Flying Geese units.

③ Arrange one **F1** square, four **A4** squares, and four **F2/A3** Flying Geese units in three rows of three elements each, as shown. Sew the elements in each row together along adjacent edges. Press. Sew the rows together along adjacent edges. Press. Make 8 **F/A** star units.



F/A
Star unit
Make 8.

④ Arrange one **G1** square, four **A4** squares, and four **G2/A3** Flying Geese units in three rows of three elements each, as shown. Sew the elements in each row together along adjacent edges. Press. Sew the rows together along adjacent edges. Press. Make 7 **G/A** star units.



G/A
Star unit
Make 7.

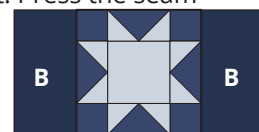
Make the Star Blocks

① Sew an **A2** square to each short end of a **B** rectangle. Press the seam allowances toward the rectangle. Make 16 **A2/B** units.



A2/B unit
Make 16.

Sew one **B** rectangle to either side of a **F/A** star unit. Press the seam allowances toward the rectangles. Make 8 **B/F/A** units.



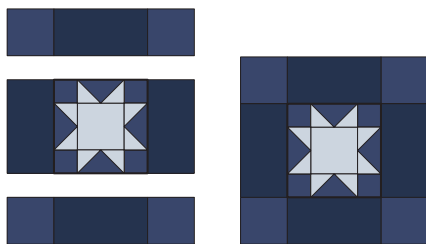
B/F/A unit
Make 8.



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2 Arrange one **B/F/A** unit and two **A2/B** units as shown. Sew the units together along adjacent edges to make one Star Block. Press. Make 8 **B/F/A** Star Blocks.



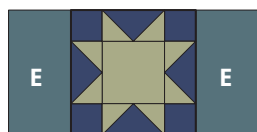
B/F/A Star Block
Make 8.

3 Sew an **A2** square to each short end of a **E** rectangle. Press the seam allowances toward the rectangle. Make 14 **A2/E** units.



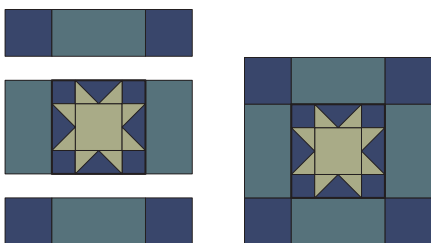
A2/E unit
Make 14.

Sew one **E** rectangle to either side of a **G/A** star unit. Press the seam allowances toward the rectangles. Make 7 **E/G/A** units.



E/G/A unit
Make 7.

4 Arrange one **E/G/A** unit and two **A2/E** units as shown. Sew the units together along adjacent edges to make one Star Block. Press. Make 7 **E/G/A** Star Blocks.



E/G/A Star Block
Make 7.

Assemble the Quilt

1 Referring to the quilt photo for block placement, arrange the Nine-patch and Star Blocks in six rows of five blocks each. Join the blocks in each row together along adjacent edges. Press the seam allowances in one direction, alternating the direction from row to row.

2 Join the rows together along adjacent edges. Press the seams in one direction.

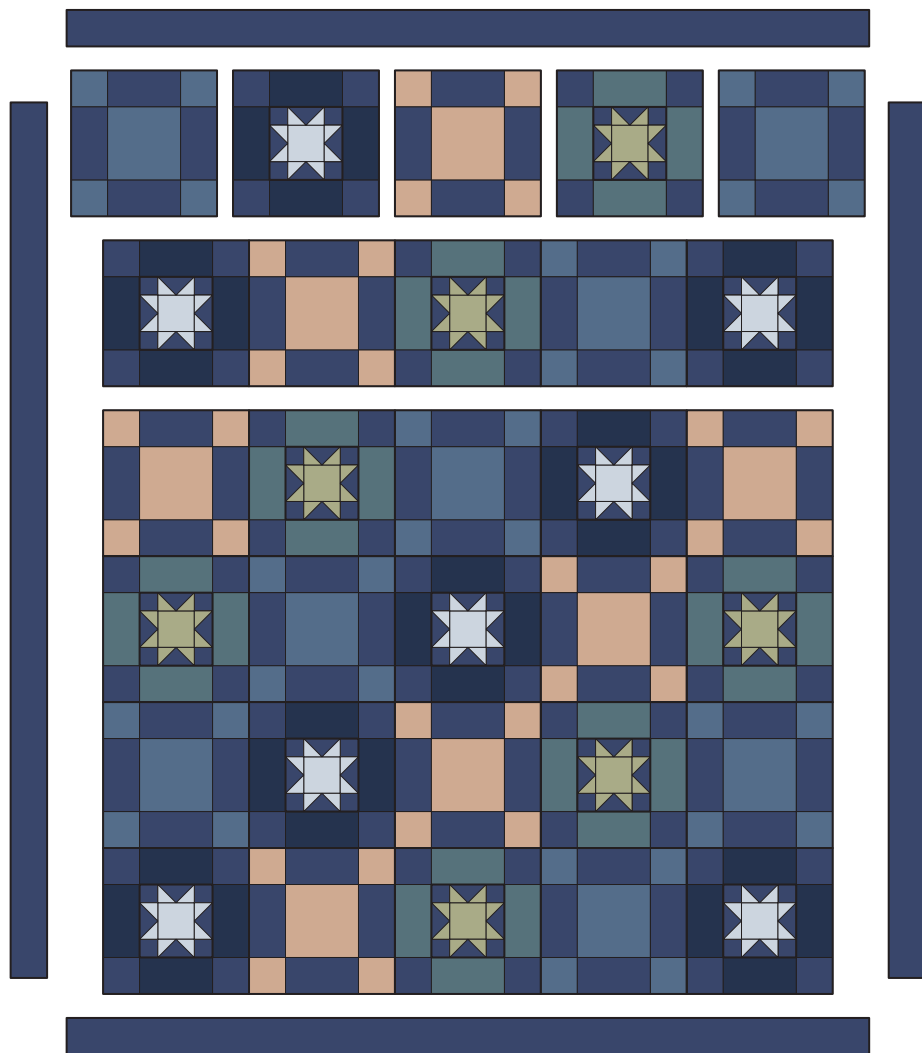
3 Join two outer border strips together along one short edge. Press. Make four joined outer border strips. Cut two side borders, $3\frac{1}{2}'' \times 72\frac{1}{2}''$, and two top/bottom borders, $3\frac{1}{2}'' \times 66\frac{1}{2}''$.

4 Sew one side border to either side of the quilt center. Press the seam allowances toward the borders. Sew one top/bottom border to the top, and the other to the bottom edge of the quilt center. Press the seam allowances toward the borders.

Finishing

1 Using a $\frac{1}{2}''$ seam allowance, join the two large backing rectangles along one long edge to complete the quilt backing. Press.

2 Layer the quilt backing, batting, and quilt top. Quilt as desired. Stitch a scant $\frac{1}{4}''$ from the edge around the perimeter of the quilt. Trim the excess backing and batting. Use your favorite method to bind the quilt.



Quilt Assembly Diagram



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