

# Polyhedra

In geometry, a *polyhedron* (plural *polyhedra* or polyhedrons) is a solid in three dimensions with flat polygonal faces, straight edges and sharp corners or vertices.

I have always been drawn to designs that appear to be three dimensional, and I love that this one can easily be made with one shape! The key to making this pattern to work is to choose three fabrics, a light, a medium, a dark, that have a clear contrast, be it in color, tone, or pattern density. Choose the scale of your print in relation to the size quilt you're making. Check your selections with the camera on your phone in black and white, or monochrome mode to ensure good contrast.

You can make this quilt in four different sizes depending on what size unit you start with. My preferred cutting method is with the AccuQuilt cutter and the half-hexagon die. An alternate method is to use the Hex-n-More ruler. Note: the finished sizes will be different for each cutting method. Also note: Additional fabric will be needed for optional borders.

You can get a 10% discount on supplies, rulers, and dies when you sign up for the class.

## Supplies

- Sewing machine in good working order, foot pedal, power cord, etc.
- Knee lift lever, not critical, but if you have one, don't leave it at home
- Thread
- Scissors or thread snips
- Seam ripper
- Portable design wall — I use a batting-covered poster frame. You can bring a batting scrap, a flannel-backed table cloth, etc.
- Pencil
- Pins
- Finger press tool, optional
- Fabric, yardage from the chart below
- Optional: scraps of light, medium, and dark in "pop of color" colors

Using AccuQuilt Dies					
		Approximate size of quilt center before borders (inches)		Fabric Needed of each: light, med, dark	
Quilt Size	width	length	Die Number	Unit Size	
Mini	13	12	55165	1"	1 FQ each
Table Topper	23	21		1.5"	1/2 yard
Wall Hanging	37	37		2.5"	1 yard
Bed	77	70	55437	4.5"	2 yards

Using a Hex-n-More Ruler				
Quilt Size	Approximate size of quilt center before borders (inches)		Size marked on ruler	Fabric Needed of each: light, med, dark
	width	length		
Mini	21	18	2.5	1 FQ each
Wall Hanging	42	38.5	4.5	2/3 yard
Baby Quilt	63	58	6.5	1.25 yards
Bed	84	77	8.5	2.25 yards

### Pre-class Preparation

Please arrive to class with your fabric cut so we can begin sewing right away.

- Cut **84** pieces of each of your three fabrics.
- For all sizes, except the largest AccuQuilt die, cut strips WoF and sub-cut into units according to the chart below and cut into half-hexagon pieces according to your tool's instructions.
- For the 4.5" AccuQuilt die, cut nine 4 3/8"–wide strips **LENGTH** of fabric. Sub-cut with the die, flipping the die 180 degrees after each cut to maximize efficiency. (You can cut the strips at 4.5" if you're more comfortable with a larger margin.)

	Size according to Manufacturer	Strip Width	Sub-cut size
AccuQuilt	1"	2.75"	2.5"
	1.5"	3.5"	3.5"
	2.5"	5.5"	5.5"
Hex N More	2.5"	1.5"	
	4.5"	2.5"	
	6.5"	3.5"	
	8.5"	4.5"	

If you desire, bring two cut pieces each of light, medium, and dark in each of your "pop or color" colors

Email me if you have any questions: Karen Todd, [quilterk@protonmail.com](mailto:quilterk@protonmail.com)