Mathematics and Visual Arts

**FOCUS:** Create quilt square patterns using the principles of design and different shapes.

**Pass Objectives:**
1.1 Describe, extend, and create patterns using symbols, shapes or designs (e.g. repeating and growing patterns made up of sets of shapes or designs, create patterns by combining different shapes and taking them apart).
1.2 Name and describe the principles of design; rhythm, balance, contrast, movement, center of interest and repetition.
3.3 Demonstrate beginning skills of composition using the elements of art and principles of design.

**Supplies:** Copies of *Sam Johnson and the Blue Ribbon Quilt* to read and discuss. Card stock to create into 4”x4” squares to trace and cut into other shapes. Colored paper trace and cut into shapes. Each student will need 16 4” squares for their 16”x16” quilt. Discuss the principles of design. Create pattern(s) by combining shapes. Paste the colored pieces on a 16”x16” square to complete a small quilt. Name your quilt pattern and discuss how you used the principles of design to create it.