Patterns Lesson

http://www.beaconlearningcenter.com/WebLessons/BrendasBedroom/default.htm

1. **NCTM Standard:**

* Understand patterns, relations, and functions
	+ Describe, extend, and make generalizations about geometric and numeric patterns

2. **Launch:**

A pattern is something that repeats itself. Pattern blocks can help create interesting patterns with shapes. Pattern blocks are plane figures.

Kayla is painting a border around her bedroom. She is using the shapes found in pattern blocks to design the border. Can you help her decide what pattern to use for the border?

3. **Explore:**

 Brenda's mother liked this pattern for the border but she didn't know what should come next. Can you figure out the next two missing shapes?

 Brenda's dad picked a different pattern that had some blank spaces. Can you figure out what goes in the missing spaces?

 Pattern blocks can help create interesting shapes with patterns. This pattern was made using pattern blocks. Look at the pattern and see if you can tell which shape is missing in each blank line.

 4. **Share:**

Now that you know about pattern blocks, get a sheet of paper and design a border for Kayla's bedroom using the shapes of pattern blocks. Make the pattern repeat itself all the way around the edges of the paper.

5. **Summarize:**

A pattern is something that repeats itself. Tonight look around your house and see all the patterns you can find. Draw them on a sheet of paper and bring them back to class so we can see your designs.