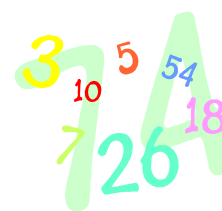


Math Activities for Developing Visual Literacy

*****Pics4Learning Lessons** – All of these lessons use digital camera and/or digital images in unique and engaging ways. You will find lessons for math, science, language arts, and social studies.

<http://www.tech4learning.com/services/teachingwithdigitalcameras.htm>



Fun with Fractions – Students will learn about fractions by manipulating images to represent mathematical concepts.

http://www.pics4learning.com/lessonplan_details.php?id=m08

Other Ideas to Try:

Angles Use the digital camera to take pictures of objects with angles. Go on a group "hunt" to find 5 acute angles, 3 right angles, etc.

Colors Have students in lower grades (preschool-kindergarten) look around the classroom, building and school grounds for colors, taking pictures of each color they find. Use presentation or publishing software to create a book of colors. Students can use the book as a reference for practice naming colors or spelling color words.

Counting/Numbers Young children learning to count can find sets of objects in natural objects around them (i.e. a bunch of bananas may represent 5 or a box of crayons, 8). Put images of groupings in a book to review counting. Make flashcards for sorting or ordering least to highest, matching, etc.

Geometric Shapes Take the students on a walk around the classroom, building, school grounds, a local park, or their home looking for geometric shapes. Have them take pictures of each shape that is found. Images can be posted on a bulletin board or web page, or made into a book. See examples at:

<http://www.sikeston.k12.mo.us/mgilmer/shapes.htm>

Graphing Use a daily graph with the calendar to graph class favorites (food, songs, movies, books, colors, etc.) Laminate pictures of each student and attach to Velcro. Use a pre-made blank chart with the other side of the Velcro attached to each square. The students can attach their picture to their choice. Can be used to practice graphing or as a quick attendance chart.

Measurement Take "how to" pictures of measuring with a ruler. (The teacher can do this as an instructional tool or have students take the pictures to show that they know how to do this skill.)

Multiples/Arrays (For students exploring multiplication.) Look for arrays at home, in school, and outside. Make a poster for each number. A poster of 12 may have a 2x6 carton of eggs or 3x4 case of cola.

Tesselations in your Neighborhood As in the ideas for shapes and colors, take pictures of tessellations in nature. The one that comes to my mind immediately is a chain link fence. Choose a presentation form: slide show, poster, bulletin board, or book. This could also be used with patterns – shapes or colors.

Time Take pictures of an analog clock. Make into flash cards where students can practice telling time