Appendix D

MATH WEB SITES COMPILED BY CLASS

http://www.lessonplanspage.com/MathPatternsAddingCounting.htm
This is a good site that offers many lesson plans at different grade levels for all math concepts. The biggest advantage is that lessons are readily identified for specific grade levels. This site also includes lessons that can be integrated with various content areas. Many of the lessons I previewed are readily adaptable to theme units. I've used this site in the past and find it very good.

http://www.encarta.msn.com/schoolhouse/menus/menumath.asp
A very user-friendly site that has unique lessons sorted by grade level and subject area. The math lessons are real life and will engage students. This is a good site to utilize when integrating curriculum areas. The drawback is the selection is not as extensive as the previous two.

http://mathforum.org/dr.math/drmath.elem.html
This is a first rate pick! I have used this site many times in the past and have found it to be very useful as well as user friendly. It is accessible for students as well as teachers. It offers answers to math questions in an easy to read and understand format. Various levels of math questions are readily accessible from elementary to graduate level and the site is easy to navigate. In addition questions often have more than one explanation given as well as hyperlinks to related topics.

http://www.ericse.org/
This is a great site for links to other sites containing math and science ideas for lessons that may be taught in the classroom. This led me to several other web pages with great ideas and information.

http://unite.ukans.edu/
This was an Explorer web page for educational resources for math and science K through 12 lessons. It was a great database!

http://www.pacificnet.net/~mandel/index.html
This was a web site made for teachers by teachers that contained lesson plans and tons of ideas. As well as, teacher corners and chat groups.

http://www.awesomelibrary.org
This is an extensive, well-organized website for many topics. Users can enter though different "doors"—for teachers, kids, parents, librarians, etc.—or through different topics. Under "Math," users can select various features, such as "Subtopics" (oodles of math lesson plans sorted by grade), "Discussions" (bulletin boards such as Ask Dr. Math), "Games," and "Lesson Plans." This site is a great resource for many subjects, not just math.

http://archives.math.utk.edu/k12.html

This Mathematics Archives K12 website has over one hundred other websites connected to it and cover areas such as Lesson Plans, Software, Topics in Mathematics, Contests and Competitions and Other.

http://www.mathstories.com/

The opening page for this site states it was designed "to help grade school children improve their math problem-solving and critical thinking skills" and that it has more than 4,000 word problems. Both students and teachers submit problem sets for publication. Some sets are based on literature, such as The Three Little Pigs, The Three Billy Goats Gruff and Harry Potter, while others are grouped by type, such as "Critical Thinking" and "Magic with Numbers." Although many problem sets are for "members only" (there is a one-time $10 fee), there's still plenty to browse through.

http://www.col-ed.org/cur/

The curriculum portion of this website has lesson plans that are divided by subject and grouped by elementary, middle school and high school levels. The math section for elementary students is loaded with lessons on a wide variety of mathematical topics, and the ones I read through were well-developed and in a format our professors would be proud of.

http://www.kidsmath.com/

This site features math tutorials for elementary students, games for all ages, and a music section that integrates with mathematics.

http://www.funbrain.com/

This site features fun mathematical, games for K – 8 students, links for parents and teachers, and a "Quiz Lab" that automatically grades quizzes and e-mails the results.

www.allmath.com

The All Math web site offers a section for question and answers, as well as other forms of math help. Teacher resources and lesson plans are available at the site. Math humor, games, and a math glossary are helpful resources at the site. In addition, the site provides links to many other math sites. The site is for both students and teachers.

http://daniel.calpoly.edu/~dfrc/Robin/

This website was developed by the professors at Cal Poly-Tech State Univ., elementary school students and NASA Personnel. There are lesson plans for teachers that coincide with NCTM's standards. The thought behind this website was to create fun activities that teach math and fit the NCTM's standards. It is divided up into three sections K-4, 5-8 and 9-12. There are also places to e-mail two of the professors with questions.

http://www.mste.uiuc.edu/

This website has a lessons resource page. It also has tutorials in technology such as Upgrading Your Internet Tools, How To Create HTML webpages, Using Filmaker Pro. Using Geometer's Sketchpad (the demo can be downloaded), Access Databases and Intro. To Excel. It also has its own search engine, which includes **Math Lessons By 302 Participants.**

http://www.scottlan.edu/lriddle/women/women.html

This site provides biographies of famous women in mathematics. There are quite a few. Also included is a listing of prizes and awards available to women in mathematics.

www.aplusmath.com/games
This site is designed for students. Students may choose to play a memory game, math bingo, or uncover hidden pictures. The hidden picture is revealed once the student solves the given problems correctly. The student selects addition, subtraction, multiplication, or division depending on area of concentration.

http://www.scholastic.com/index.asp
From this main page there are a variety of links. The teacher's link goes to lesson plans, classroom activities, and other resources. One can pick a grade level and topic. The kid's section goes to literature-related sites and the parents' site leads to fun activities for kids and parents. There is also a link to a Classroom Homepage builder that is free. Some of the options within the site include Lesson Plans and Reproducibles, Professional resources, Authors and Books, Online Activities, and a News Zone.

http://www.mathguide.com/
This mathematics resource center includes materials for students, parents and teachers. Included are puzzles, projects, educational issues, terminology, tests, topics, materials, lessons, organizations, and other related links.

http://nces.ed.gov/nceskids/
This National Center for Education Statistics site features education information and activities for students of all ages. Adults also could utilize the materials and resources. Links include Find Your School, College Search, Find Your Library, and What Are Your Chances? (probability information), Create a Graph, Games and Activities, Mathematicians Are People Too (about famous mathematicians), and other resources. Of special interest for our mini-unit on plants this quarter is the Create a Graph link, which allows students (or teachers) to make pie or bar graphs.

http://www.ncbe.gwu.edu/pathways/smt/
Part of the National Clearinghouse for Bilingual Education (NCBE) Pathways series, this site includes a collection of resources and information aimed at promoting the development of math, science and technology literacy skills for urban and minority students. The site includes information on demographics, national standards and benchmarks, as well as equity-related issues like the "technology gap" and other factors that are believed to cause minority under representation in science, math and technology.

http://www.aaamath.com
This website contains many pages of basic math skills for students. It has interactive practice on every page and topic. There are also math games that challenge the mind! The math problems are created randomly and there is math for grade levels K-8. Math topics contained in this website range from addition to properties. This is a great site to have available in your classroom for students to use during free time or to "brush-up" on skills.

http://www.geom.umn.edu/

Geometry on the web! This page had lots of exploring for using virtual geometry and exposure to such for students.