



Technology-Connected Lesson Plan

Title:	Fraction Fun
Grade Levels:	3-4
Curriculum Areas:	☞ Math, Writing
Lesson Objectives:	<ul style="list-style-type: none"> ☞ TLW compose story problems using fractions. ☞ TLW illustrate story problems using pictures and symbols in Kidspiration. ☞ TLW write story problems in sentences using fractions and the software Kidspiration. ☞ TLW reinforce his/her visual concept of fractions by working on an interactive website with fractions.
LA. Content Standards	<p>N-1-E-constructing number meaning and demonstrating that a number can be expressed in many different forms (e.g., standard notation, number words, number lines, geometrical representation, fractions, and decimals):(1, 2, 4)</p> <p>N-2-E-demonstrating number sense and estimation skills, giving particular attention to common equivalent reference points (i.e., $1/4 = 25\% = .25$; $1/2 = 50\% = .5$; $1 = 100\%$, etc.):(1)</p> <p>ELA-2-E3 - creating written texts using the writing process (1,4)</p> <p>ELA-1-E6- interpreting texts to generate connections to real-life situations:(1, 2, 4)</p>
Technology Guidelines:	<p>1. Technology Problem-Solving and Decision-Making Tools Use accurate and developmentally appropriate terminology (e.g., cursor, software, hardware, pull down menu, window, disk drive, hard drive, CD-ROM, laser disc) when referring to technology. (6)</p> <p>3. Technology Productivity Tools Use a variety of developmentally appropriate resources and productivity tools (e.g., logical thinking programs, writing and graphic tools, digital cameras, graphing software) for communication, presentation, and illustration of thoughts, ideas, and stories (e.g., signs, posters, banners, charts, journals, newsletters, and multimedia presentation.) (1,3,4)</p> <p>6 Basic Operations and Concepts Use technology resources to assist in problem-solving, self-directed learning, and extended learning activities. (2,4)</p>
Technology Connection:	<ul style="list-style-type: none"> ☞ Computer with Internet Access ☞ Websites: Interactive http://www.aaamath.com/fra.html http://www.visualfractions.com/EnterFraction.html

	http://www.edina.k12.mn.us/creekvalley/classes/specialists/Kotzer/Internet%20Sites/studentsites.htm
Procedure:	<ul style="list-style-type: none"> ☞ TTW display a set of objects on a table. The students will count how many objects are in the set. The teacher will write a sentence that reflects that information. (ex. There are 8 balls in the basket.) The teacher can ask the students to give her several ideas about the 8 balls in the basket. (ex. 3 of the 8 balls are red). The teacher continues to get the students to give her more ideas concerning the balls. ☞ TTW help the students compose a story problem based on the above information. (What fraction of the balls is red?) ☞ TTW have to repeat this process several times, with story problems so that the students understand the concept. ☞ The teacher may develop or use a template already in Kidspiration for the students to complete their projects. ☞ The students will use Kidspiration to develop 3 or 4 story problems using fractions. Students have used the software before so they should not have a problem in using it. ☞ The students will use the Assessment Checklist to make sure they have included all of the necessary information on the project. ☞ Students will use one of the above websites as reinforcement in using and writing fractions as a review.
Assessment:	☞ Completed project
Materials:	<ul style="list-style-type: none"> ☞ Computer with Internet Access ☞ Kidspiration ☞ Checklist (developed by Pomperaug Regional School District, Middlebury, CT)
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