This lesson provided by:
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School: Alabama Department of Education

Lesson Plan ID:	34687
Title:	Pizza Fraction Project
Overview/Annotation:	Students will work in groups to design a pizza project. They will use different pizza toppings to model different fractions. The students include a key that explains their fractions and they will work together to come up with word problems. They will complete a Powerpoint explaining how they completed the powerpoint
Content Standard(s):	
Local/National Standards:	Math: Explain why a fraction $^{a}/_{b}$ is equivalent to a fraction $^{nxa}/_{nxb}$ by using visual fraction models, with attention to how the number and size of the parts differ even though the two fractions themselves are the same size. Use this principle to recognize and generate equivalent fractions. [4-NF1] Technology: Use digital environments to collaborate and communicate
Podcast(s):	
Primary Learning Objective(s):	The students will participate in a hands-on-lesson where they will understand and be able to write equivalent forms of fractions. The students will learn and apply the concept of using fractions in everyday life.
Additional Learning Objective(s):	Technology: Use digital environments to collaborate and communicate
Approximate Duration of the Lesson:	91 to 120 Minutes
Materials and Equipment:	Pizza box, Construction Paper, computer, directions
Technology Resources Needed:	Computers and Powerpoint
Background/Preparation:	
Procedures/Activities:	

Pizza Fraction Procedures

1. The bottom part of your pizza box should include either a pizza drawn or made out of different pieces of paper to represent a pizza and the different toppings.
2. Divide the pizza into equal slices using at least 8 pieces (but can be more)
3. Make pizza toppings to represent at least 5 different fractions using different toppings for your pizza. (For example, 8/8 of the pizza is cheese, 1⁄2 is sausage, 2/4 has onions,....)
4. The inside top of your pizza box include a key that represents each of fractions of your pizza and the toppings that are included in those fractions
5. Next to each of the 5 different fractions, you must write on the key list 2 equivalent fractions to that one
6. Include 2 word problems using the fractions of your pizza for others to solve. (do not put the answers on the inside. The answers can be written on the outside bottom)
7. Using Powerpoint, explain what you did to complete the project. Make sure to include pictures!

Attachments:**Some files will display in a new window. Others will prompt you to download.

Assessment Strategies:	Powerpoint Presentation Rubric
Extension:	
Remediation:	Play Fraction Game: Who Wants Pizza

Each area below is a direct link to general teaching strategies/classroom accommodations for students with identified learning and/or behavior problems such as: reading or math performance below grade level; test or classroom assignments/quizzes at a failing level; failure to complete assignments independently; difficulty with short-term memory, abstract concepts, staying on task, or following directions; poor peer interaction or temper tantrums, and other learning or behavior problems.

Presentation of Material	Environment
Time Demands	Materials
Attention	Using Groups and Peers
Assisting the Reluctant Starter	Dealing with Inappropriate Behavior

Be sure to check the student's IEP for specific accommodations.

Variations Submitted
by ALEX Users: