

Weekly Sheet for 3rd grade STEM
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Week # 18, January 3rd – January 6th, 2011

ANNOUNCEMENTS

HAPPY NEW YEAR!!!

EXTRAORDINARY: CARTESIAN COORDINATE GRAPHS, SLOPES, FUNCTIONS

MATH: TOPIC/CONTENT/SKILLS: Fractions/Fractions of a Whole/

- Recognize and name fractions of a whole
- Make a whole with a fraction
- Understand the terms numerator and denominator

EXTRAORDINARY

- *Find the slope of a line*
- *Understand Functions and Inverse Functions*

SCIENCE: TOPIC/CONTENT/SKILLS: Chemical Reactions/Balancing Equations

- Write chemical equations
- Balance chemical equations

	IN CLASS	HOMEWORK ASSIGNMENTS
Tuesday	Graph paper will be provided and students will be asked to plot points so as to obtain a straight line. Students will learn how to obtain the slope of this line = $y_2 - y_1 / x_2 - x_1$. Plot points (1,2) and (3,5) Functions and Inverse Functions will be discussed $Y = mx + c$	Find slope of a line (1,4), (2,6), (3,8)
Wednesday	1) Recognize and name fractions of a whole 2) Make a whole with a fraction 3) Understand the terms numerator and denominator <ul style="list-style-type: none"> • Whole pizza and colored shapes will be used to show fractions of a whole • Fraction box with donuts etc. will be used to help students understand how to make a whole with fractions • The terms numerator and denominator will be 	Workbook

	explained Practice: workbook	
Thursday (Math)	MORE PRACTICE: <ul style="list-style-type: none"> • Students will be asked to draw and color shapes to show certain fractions • They will also be required to identify the fraction needed to make a whole shape 	Worksheet
(Science)	CHEMICAL REACTION LAB: Copper in penny reacting with oxygen in the air <ul style="list-style-type: none"> • Teacher will explain what happens during a chemical reaction using the terms REACTANT and PRODUCT • Students will learn how to write and balance the equation for this reaction 	
Friday (Math)	FRACTION QUIZ	
(Science)	BALANCING EQUATIONS (MORE PRACTICE)	