



Weekly Sheet for 4th grade STEM

Mrs. Cindy Capitolin Laurent

ccapitolin@parksideca.org

Week # 7, October 11th–October 14th, 2011

ON FRIDAY, STUDENTS WILL BE TESTED ON FACTORS AND ATOMS.

THIS WEEK STUDENTS WILL BE GIVEN A HOMEWORK WORKSHEET WITH EXTRAORDINARY QUESTIONS SUCH AS FERMI QUESTIONS, ETC. THIS ASSIGNMENT IS DUE NEXT WEEK WEDNESDAY, OCTOBER 12.

MATHEMATICS

Topics/Content/Skills:

FACTORS

- Determine if a 1-digit number is a factor of a given whole number by using division

	In Class	Homework Assignment
Tuesday	<p>(Pick up last week’s factor h.w)</p> <p>1) Determine if a 1-digit number is a factor of a given whole number by using division</p> <ul style="list-style-type: none"> • Students will give one factor of 12 and will be instructed to explain why it is a factor of 12 (12 can be divided evenly by that number without any remainder) • Teacher will pick a number between 1 and 10 and ask whether this number is a factor of a number less than 100 (is 7 a factor of 79). Students will solve this by dividing 79 by 7 to see if there is a remainder (will be repeated several times). Refer to textbook examples on pg 21. 	<p>Factor Worksheet. Due on Thursday</p>

	PRACTICE: Find the factors of: 40, 50, 75, 80	
Wednesday	Workbook practice on FACTORS: pg 20-23 (copies will be made)	
Thursday	Computer Lab Factor Games online: www.coolmath-games.com/0-math-lines-xfactor/index.html (Students will be allowed to continue working on factors as review for the test on Friday)	

SCIENCE: ATOMIC PHYSICS

- Make a model atom
- List and differentiate the components of an atom including quark
- Define atomic number and mass number

	In Class	Homework
Tuesday	LAB: Each student will make a model atom using fruit loops and paper plates. Elements will be introduced and students will be given different atoms. They will be required to use the atomic number and mass number of these elements to determine the number of protons and neutrons and electrons in their atoms.	
Wednesday	INTRODUCE TOWER PROJECT	Extraordinary Work Sheet: Fermi Questions etc. to be handed in at the end of the month (October 28th)