



PARKSIDE CHRISTIAN ACADEMY

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Weekly Sheet for 4th Grade STEM

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Week # 2, September 6– 9th, 2011

Topics/Content/Skills:

- **WHOLE NUMBERS/ Number Patterns/**
- Count on or back by 1, 100, 1000, or 10000
- Recognize number patterns involving counting on or back by ones, tens, hundreds and/or thousands
- Determine the scale of a number line and locate 4-digit and 5-digit numbers on a number line.

	In Class	Homework Assignment
Tuesday	1)Count on or back by 1, 10, 100, 1000 or 10,000 and 2) Recognizing number patterns <ul style="list-style-type: none"> • Use number discs to place a 5 digit number on the place value chart and call on students to give the number that is one more or one less, 10 more etc • Repeat without number discs (include renaming) • PUZZLE: text book pg 9, make copies • GAME: In pairs; one student creates a number pattern and the other gives the next item in the sequence, students switch role after each pattern completion. <p>Practice: text book pg 18</p>	W.B pg 11
Wednesday	Determine the scale of a number line and locate 4-digit and 5-digit numbers on a number line. <ul style="list-style-type: none"> • Draw number line on the board, refer to text book pg 11 Allow students to count tick marks and to determine the size of each unit marked off by a tick mark. <p>Practice: pg 11</p>	
Thursday	Practice in preparation for test on Friday (worksheets on all concepts covered thus far)	
Friday	Test	

TOPIC/CONTENT/SKILLS

Review and Introduction to Physics (Scientific Measurements)

Experimenting is a very important part of Science and most experiments involve measuring.

- Definitions
 - Units of Measurement
 - Conversions

Tuesday	In Class	Homework Assignment
	<p>1) Discuss definitions of length, volume, mass, density, temperature and instruments of measurement (ask students)</p> <p>LAB: Allow students to measure lengths, volume, mass and temperature and to calculate density (mass/volume) (length of the room, desk, student, mass of a stone, sand, salt, volume of water, temperature of the room, ice and hot water, check for accuracy.</p> <p>ACTIVITY: paper thermometer</p>	<ul style="list-style-type: none"> • How many mm=1cm cm=1m m=1km g=1kg • What is the relationship between celcius and Fahrenheit, celcius and Kelvin, milliliters and cubic centimeters. • What is the density of water • <i>If the density of a piece of wood is 2 g/ml will that piece of wood float or sink in a liquid of density 1 g/ml?</i>
Wednesday	<p>1) Units of Measurement Introduce the various units of measurement</p> <p>2) Conversions</p> <ul style="list-style-type: none"> • Convert cm to m and vice versa • Convert g to kg and vice versa • Convert ml to l and vice versa <p>(Show examples on the board then divide students into two groups to practice, teacher provides assistance as needed.</p>	
Friday	Tests (definitions/actual measurements)	