



**PARKSIDE CHRISTIAN ACADEMY**

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**Weekly Sheet for 4<sup>th</sup> grade STEM**

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**Week # 10, October 31st–November 4th, 2011**

**TEST ON FRIDAY:**

- **Math topics covered this week:**  
**MULTIPLICATION/DIVISION**
- **Science topics:**  
**ATOMS: structure, calculating number of protons, electrons, neutrons and quarks**  
**ELEMENTS (the 1<sup>st</sup> 20 elements and their symbols)**

**MATH: MULTIPLICATION OF WHOLE NUMBERS** / Multiplication/Division by a 1-digit number and by 10/

- Multiply a 4 digit number by a 1-digit number and estimate the product
- Divide a 4-digit number by a 1-digit number and estimate the quotient
- Divide by 10
- Solve word problems of up to 3 steps

	<b>In Class</b>	<b>Homework Assignment</b>
<b>Monday</b>	1) Multiply a 4 digit number by a 1-digit number and estimate the product <ul style="list-style-type: none"> <li>• Teacher will first demonstrate how to estimate the answer and then go step by step through the multiplication algorithm to find the actual answer:                Ex 1: 4576x4                Ex 2: 2950x6                Ex 3: 3726x5                Ex 2: A word problem TEXT BOOK pg 28  <b>Use the term PRODUCT</b></li> </ul> <b>PRACTICE: WORKBOOK PG 26,27,28</b>	

	<b>ADVANCE QUESTIONS:</b> Multiplying by 2 digit numbers, examples in 5A textbook pg 27 # 1a, 3a and 6a	
<b>Tuesday</b>	<p>1) Divide a 4-digit number by a 1-digit number and estimate the quotient</p> <p>2) Divide by 10</p> <ul style="list-style-type: none"> <li>• Teacher will first demonstrate how to estimate the answer and then go step by step (steps will be written down) through the division algorithm to find the actual answer</li> <li>• <b>REVIEW: (division of 2 and 3 digit numbers) ex. 1: 53 divided by 2, ex.2: 461 divided by 3 (USE THE TERM QUOTIENT AND REMAINDER)</b></li> <li>• 4-digit number examples: 4608 divided by 3, 4540 divided by 5</li> <li>• DIVIDING BY 10: eg 40/10, 400/10, 440/10</li> </ul> <p><b>PRACTICE:</b> WORKBOOK pg 27, 28 and 29 (Word Problems)</p>	Multiplication Worksheet
<b>Wednesday</b>	<p>THE DIVISION ALGORITHM IS SOMETIMES DIFFICULT FOR STUDENTS TO GRASP SO MORE TIME WILL BE SPENT ON DIVISION; MORE EXAMPLES, MORE PRACTICE AND INDIVIDUAL HELP</p> <p><b>ADVANCE QUESTIONS:</b> (Dividing by 2 digit numbers) Refer to 5A textbook pg 28 and 29</p>	
<b>Thursday (computer room)</b>	<a href="http://www.ixl.com">www.ixl.com</a> (division practice)	
<b>Friday</b>	More revision and then TEST	

## SCIENCE: ATOMIC PHYSICS

- Define element, molecule, compound, mole
- Differentiate between the different kinds of bonds; covalent bonds etc

	<b>In Class</b>	<b>Homework Assignment</b>
<b>Tuesday</b>	<ol style="list-style-type: none"><li>1) Define molecule, compound, mole and understand how molecules and compounds are formed</li><li>2) Differentiate between the different kinds of bonds; covalent bonds etc</li></ol> <ul style="list-style-type: none"><li>• Students will use Lego atoms to form various molecules and compounds. Terms listed above will be defined and explained.</li></ul>	More Practice on calculating neutrons, protons and electrons. Symbols of elements. DUE ON THURSDAY
<b>Wednesday</b>	TOWER PROJECT Designing Individual Towers	
<b>Friday</b>	Review Atoms, Elements/TEST	