

Weekly Sheet for 4th grade STEM

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Week # 5, September 26th –September 30th, 2011

Scientific calculators will be used on Wednesday (Science)

MATHEMATICS

Topics/Content/Skills: WHOLE NUMBERS

Estimate the answers in addition and subtraction

	In Class	Homework Assignment
Monday	Review rounding off numbers to the nearest ten, hundreds using worksheets (students will be placed into groups and will help each other, teacher will also assist)	
Tuesday	Go over last week's test	
Wednesday	1) Estimate the answers in addition and subtraction <ul style="list-style-type: none">• Teacher will explain the usefulness of being able to estimate for eg if given \$10 to buy some toys they need to ensure that the sum of the prices of their choices does not exceed \$10. (use play money and priced items to allow students to estimate)• Teacher will, with help from students, find an estimate for 457+865, 701-287, 329+4790 PRACTICE: Text book task 9 pg 17 call on some students to explain their solutions	
Friday	Test on Estimation	

SCIENCE

SCIENTIFIC NOTATION

- Understand the relevance of scientific notation
- Convert numbers in standard form to scientific notation and vice versa

<p>Tuesday</p>	<p>1) Understand the relevance of scientific notation</p> <ul style="list-style-type: none"> • Teacher explains that scientific notation is a shorthand method scientists use for writing very large or very small numbers. • Example 5.67×10^6, label coefficient, base and exponent • The average distance between the sun and the earth is 149 million kilometers in standard form (1.49×10^6) <p>2) Convert numbers in scientific notation to standard form</p> <p>Ex.1 Change 6.03×10^7 to standard notation.</p> <p>Ex. 2 Change 4.56×10^8 to standard notation.</p> <p>Teacher will demonstrate on the board how these numbers in scientific notation can be written in standard form.</p> <p>PRACTICE: Students will be placed in groups and given numbers to convert from scientific notation to standard form on construction paper. Teacher will assist students who need help.</p>	<p>Stem Writing Assignment: Pick an African American scientist who has invented something that you use very often or that you like very much:</p> <ol style="list-style-type: none"> 1) Who is this scientist (briefly talk about his life and his education) 2) What was his invention 3) How important is this invention to you or the world (due next week Monday)
<p>Wednesday</p>	<p>1) Convert numbers in standard form to scientific notation</p> <p>Ex. 1 Change 75 560 000 to scientific notation</p> <p>Ex.2 Change 56 760 000 000 to scientific notation</p> <p>2) Show students how to use scientific</p>	<p>Work sheet (scientific notation)</p>

	<p>calculators to convert standard form to scientific notation and vice versa.</p> <p>PRACTICE: (work sheet)</p> <p>Advance Students: Change 0.000000902 to scientific notation Change 5.3×10^{-4} to standard notation</p>	
Thursday (computer room)	Computer game to assist students with scientific notation	
Friday	Test on Scientific Notation and Estimation	