



Weekly Sheet for 3rd grade STEM

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Week #6, October 3rd –October 7th, 2011

MATHEMATICS/SCIENCE

- **Topics/Content/Skills: SUBTRACTION**
- Understand the term DIFFERENCE
- Subtract ones, tens, or hundreds from a 4-digit number
- Subtract a number within 10000 from a 4-digit number, with renaming once
- Subtract a number within 10000 from a 4-digit number, with renaming twice
- Subtract a number within 10000 from a 4-digit number, with renaming three times

	In Class	Homework Assignment
Monday	<p>Computer Room</p> <ul style="list-style-type: none"> • Scientific Notation Game on www.xpmath.com (standard notation to scientific notation) • Review last week’s test with students (one on one). 	
Tuesday	<p>1)Understand the term DIFFERENCE 2)Subtract ones, tens, or hundreds from a 4-digit number</p> <ul style="list-style-type: none"> • Teacher will show the algorithm for subtraction by using stickers labeled 100’s, 10’s and 1’s (832-679) • Selected students will be attached with numbers 0-9, teacher will call out numbers to be subtracted and students will position themselves accordingly and move around to illustrate these subtractions (4965-2, 4965-24, 4965-254, 4965-2345) 	

Wednesday	<ol style="list-style-type: none"> 1) Subtract a number within 10000 from a 4-digit number, with renaming once 2) Subtract a number within 10000 from a 4-digit number, with renaming twice 3) Subtract a number within 10000 from a 4-digit number, with renaming three times <ul style="list-style-type: none"> • Teacher will demonstrate each using these examples <p>1) 3246-1634, 2) 2435-1268, 3) 5243-2787</p> <p>PRACTICE: Work book exercises 10, 11</p>	H.W. Worksheet due on Thursday
Thursday	MORE PRACTICE: Work book Exercise 12	

SCIENCE: continuation of SCIENTIFIC NOTATION/ATOMIC PHYSICS

- Convert numbers in standard form to scientific notation
- Define, draw and label an atom
- List and differentiate the components of an atom including quark

	In-Class	Homework Assignments
Monday	<p>Convert numbers in standard form to scientific notation</p> <ol style="list-style-type: none"> 1) Ex. 1 Change 75 560 000 to scientific notation 2) Ex.2 Change 56 760 000 000 to scientific notation 3) Show students how to use scientific calculators to convert standard form to scientific notation and vice versa. <p>PRACTICE: (work sheet)</p>	Work sheet: Convert numbers in standard form to scientific notation
Thursday	<ol style="list-style-type: none"> 1) Define, draw and label an atom 2) List and differentiate the components of an atom including quark <ul style="list-style-type: none"> • Teacher will draw on board an atom with parts labeled • Teacher will explain that atom is the building block of matter, everything (hold up a pencil, book, chalk etc) is made up of atom. Explain that atoms are made up of protons, nucleus and electrons and explain that quarks 	

	make up protons and neutrons. (HAND OUT WILL BE GIVEN)	
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ACTIVITY: Teacher will give students construction paper and markers to draw and label their own atom.