

8th Grade Syllabus 2012- Keep this in your Science Notebook/Folder!

Web Site: <http://mrsgillumscience.com> e-mail: Mrsg9064@aol.com

HWK = Homework EC = Extra Credit TH=Take Home Test

CA State Standards : Structure of Matter:

Each of the more than 100 elements of matter has distinct properties and a distinct atomic structure.

All forms of matter are composed of one or more of the elements. As a basis for understanding this concept:

1. Students know the structure of the atom and know it is composed of protons, neutrons, and electrons.
2. Students know that compounds are formed by combining two or more different elements and that compounds have properties that are different from their constituent elements.
3. Students know atoms and molecules form solids by building up repeating patterns, such as the crystal structure of NaCl or long-chain polymers.
4. Students know the states of matter (solid, liquid, gas) depend on molecular motion.
5. Students know that in solids the atoms are closely locked in position and can only vibrate; in liquids the atoms and molecules are more loosely connected and can collide with and move past one another; and in gases the atoms and molecules are free to move independently, colliding frequently.
6. Students know how to use the periodic table to identify elements in simple compounds.

| Date | Class | Homework |
|---|---|---|
| Wk 5: Oct 1-5: Chp2: Properties of Matter Holt Book: Pg 34-57 | | |
| Chp 2: Little Book Hwk: Pg 1-6 due on 2 nd Block day (Wed/Thu) of this week, Pg 13-16 Due Block day 1 (Tue/Wed) next week Pg 7-10 due block day 2 next week. These will be checked IN CLASS on due date. Extra Credit! We need ziplock baggies! | | |
| Mon: | Lect 1: What is matter? | Hwk: Little Book: pg 1-6 Due 2 nd Block period THIS WEEK |
| Tues /Wed Blk1 | Lect 2: Properties of Matter Lab: Measuring Matter | Finish Little Book pg 1-6 assignment for next class |
| Wed/Thu Blk 2 | Volume Measuring Lab/check hwk | Little Book: pgs13-16 due next week, 1 st Block day |
| Fri | Lect 3: Density | Hwk: Little Book pgs 13-16 |
| Wk 6: Oct 8-12: Chp2: Properties of Matter Holt Book: Pg 34-57 | | |
| Chp2: Little Bk: Pg 13-16 Due Block day 1 (Tue/Wed) Little Bk: Pg 7-10 due block day 2 Little Bk: Pg 11 & 12 Due Fri Completed Little Book due Fri Final Exam on Chp 2 THIS Friday Lab Notebook due Block day 1 (Mon/Tue) next week | | |
| Mon: | Lab: You Try It Density! | Little Book: Pg 13-16 Due Block day 1 |
| Tues/Wed Blk1 | Lect 4: Density & Buoyancy Lab: Density Layers | Little Book : Pg 7-10 due block day 2 Little Book : Pg 11 & 12 Due Fri |
| Wed/Thu Blk2 | Virtual Density Lab | Little Book : Pg 11 & 12 Due Fri Final Exam Friday |
| Fri: | Final Exam Chp2 / Little Book Due | Lab/Lecture notebook due 1 st block day next week (Mon / Tue) |
| Wk7: Oct 15-19: Chp3: States of Matter Holt Book: Pg 58-79 | | |
| Chp2 Lab Notebook due Block day 1 (Mon/Tue) Chp 3 Little Book Hwk: Pg 1-7 due Fri, Pg 8-12 due next Monday EXTRA CREDIT! We need Milk! (homogenized), Baggies, spoons, rock salt, sugar and ice for our Ice Cream Matters Lab! | | |
| Mon | Lect 1: Four States of Matter Chp 2 Lab/Lect Notebook Due | Chp 3 Little Book Hwk: Pg 1-7 for Friday, Pg 8-12 for Monday |
| Tues/Wed Block day1 | Lect 2: Changes of State | Chp 3 Little Book Hwk: Pg 1-7 for Friday, Pg 8-12 for Monday (we need Ice Cream Matter Lab supplies BY today for extra credit) |
| Thu: Block Day2 | Lab: Slime Matters! | Chp 3 Little Book Hwk: Pg 1-7 for tomorrow |
| Fri-regular Fri | Lab: Ice Cream Matters! grade chp2 NB,Chp3 Little Bk pg1-7 | Chp 3 Little Book Hwk: Pg 8-12 for Monday Complete lab write-ups |
| Wk8: Oct 22-26 Chp 4: Elements Compounds & Mixtures Holt Bk: 80-103 | | |
| Chp 3 Little Book Hwk: Pg 8-12 due Mon Chp 4 Little Book Pgs 1-4 Due Blk2 this week, Pgs 5-8 Due next Mon | | |
| Mon | Lect1:Elements & Compounds Chp3 Pg 8-12 due | Chp 4 Little Book Pgs 1-4 Due Blk2 (Wed/Thur) |
| Tues/Wed Blk1 | Lect 2 Mixtures Lab: Nuts & Bolts | |
| W/Thu Blk2 | Lab: Messing with Mixtures Chp4 pgs 1-4 due | Chp 4 Little Book Pg 5-8 due on Mon. Chp 3&4 Lab/Lect NB Due Blk1 (Tue/Wed) Chp3/4 Final Exam Blk 1 next week |
| Fri | Lect 3: Heterogeneous/Homogeneous mixtures | |

8th Grade Syllabus 2012 Wks: 9-10

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Wk 9: Oct 29-Nov 2 Chp 2/3/4 Unit Final Exam Blk Day 1 / Chp 12: Atoms

BIG WEEK!!! Final exam Chp 2/3/4: All 3 Little Books will be used.

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|---------------|--|---|
| Mon: | Review Jeopardy | Little Bk Chp 4 Pgs 5-8 Due today! Final Lect/Lab NB due Blk1 day. |
| Tues/Wed Blk1 | Chp 2-3-4 UNIT FINAL EXAM! CHP 3-4 / NB DUE | HWK: Little Bk Chp 12 Pgs 1-6 Due Fri |
| Wed/Thu Blk2 | Chp 12: Atoms Lect 1/2 | |
| Fri: | Chp 12: Atom Lect 3 | Little Bk Chp 12 Pgs 1-6 Due HWK: Little Bk pgs:7-12 Due Mon |

Wk 10: Nov 5-9th: Chp 12: Atoms: Holt: Pgs 302-322

Hwk: Little Bk Chp12 Pgs 7-12 Due Mon

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| Mon: | Atom Lect 4 | Little Bk Chp12 Pgs 7-12 Due / Chp 13: pg 2-5 due Blk2 |
| Tues/Wed Blk1 | Periodic Table Lect 1 | Little Bk Chp 13: pg 2-5 due Blk2 |
| Wed/Thu Blk2 | Periodic Table Lect 2 | |
| Fri: | Periodic Table Lect 2 Finish | Little Bk Chp 13: 6-11 Due today |

CA State Standards : Periodic Table

The organization of the periodic table is based on the properties of the elements and reflects the structure of atoms.

1. Students know: how to identify regions corresponding to metals, nonmetals, and inert gases.
2. Students know: Each element has a specific number of protons in the nucleus (the atomic number) and each isotope of the element has a different but specific number of neutrons in the nucleus.
3. Students know: Substances can be classified by their properties, including their melting temperature, density, hardness, and thermal and electrical conductivity

Wk 11: Nov 12-16: Chp 13 : Periodic Table Holt: 323-

Hwk: Little Bk Chp 13: Pg1-4 due / Little Bk Pg 5-8 due Blk day1 FINAL EXAM Blk Day 2: Chp 12 & 13

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|---------------|----------------------------------|---|
| Mon: | Veterans Day observed. No School | |
| Tues/Wed Blk1 | Chp 12 & 13 Review | Chp 13 Little Book due today |
| Wed/Thu Blk2 | Chp 12 & 13 Final Exam | Chp 12 & 13 Lab/Lect NB Due Tomorrow!!! |
| Fri: | Grade Notebooks | Chp 12 & 13 Lab/Lect NB Due |

No Homework over Thanksgiving !!! Have a wonderful family time!

EXTRA CREDIT OFFERED!!! 10 extra credit points will be rewarded to those students who CLEAN UP the entire kitchen/dining room ALL BY YOURSELVES SO MOM/DAD/GRANDMA/Auntie ect. can rest! (Cooking does NOT count!) Have Mom/Dad/Auntie/Grandma send me an email telling me about the wonderful job you did BY SUNDAY NIGHT Nov 25th OR bring in a note on Monday Nov 26th. No late notes accepted! ☺