Science 10

Monday, March 13/17

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1. Assignment - All Ionic Compounds
   - Tuesday, March 14

2. Worksheet - Practice: Binary Covalent Compounds
   Worksheets - Mixed Ionic and Covalent Compounds (2)

3. Counting Atoms

4. Worksheet - Counting Atoms in Compounds - HW

5. Chemical Reactions
   - Notes
   - Video

6. Law of Conservation of Mass

7. Balancing Chemical Reactions

8. Worksheet - Balancing Chemical Equations

9. Types of Chemical Reactions

10. Formation Reactions

11. Decomposition Reactions

12. Worksheet: Formation and Decomposition Reactions

Types of Ions

monatomic ions

1 type of atom involved

Na^{1+}

Cl^{1-}

polyatomic ions

more than 1 type of atom involved

End in: -ate
-ite
-ide

NO_3^{1-}

CN^{1-}

NH_4^{1+}

ions of multivalent metals

1 type of atom involved

names include roman numerals

copper (I) ion Cu^{1+}

copper (II) ion Cu^{2+}

i) Identify each compound as ionic or molecular.

ii) Write the name of each compound.

front metal NH4+ → I

	Type	Chemical Name
a) N_2F_4	M (prefixes)	dinitrogen tetrafluoride
b) Li_3P	I	lithium phosphide
c) $Mg_3(BO_3)_2$	I	magnesium borate
d) $CuCl_2$	I	copper(II) chloride
e) $(NH_4)_2O$	I	ammonium oxide

a) ↳ nm

b) ↳ m

c) ↳ m

d) ↳ m

e) ↳ x

Physics 112

Monday, March 13/17

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1. Check - Worksheet: Velocity-Time Graph #1-4 - HW Again
2. Word Problem Checklist
3. Uniform Motion - Kinematic Equation
4. Uniformly Accelerated Motion - Kinematic Equation #1
   HW - Finish Example

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5. Uniformly Accelerated Motion - Kinematic Equation #2
6. Uniformly Accelerated Motion - Kinematic Equation #3
7. Uniformly Accelerated Motion - Kinematic Equation #4
8. Worksheet - Motion Problems

Physics 122

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1. Return Marks -> SA - U1 S1 - 3 Problems (40 minutes)
   -> Lunch/After School

2. Steps for Solving Static Torque Problems - Continue

3. Worksheet - Static Torque #1 - HW

4. Torque - Forces Acting at Angles