PRACTICAL SCHEME OF WORK

No.	Date	Outline of Investigation	Topic	Time (hrs)	Pl_a	Pl_b	DC	DPP	CE	MS	PS_a	PS_b	Teacher's Criteria
1	Sep. 16, 2003	Percentage Composition of Magnesium Oxide	Matter	1			✓	✓	✓				
2	Sep. 22, 2003	Making Predictions for Precipitates	Balancing Equations	1									✓
3	Sep. 30, 2003	Equilibria between Metals and Metal Ions	Balancing Equations	1									✓
4	Oct. 2, 2003	Oxidation-Reduction: Reactions of the Halogens	Balancing Equations	1									✓
5	Oct. 17, 2003	Recognizing a Chemical Reaction	Matter	1									✓
6	Oct. 23, 2003	The Chalk Lab; The Water Lab; and The Candy Lab	Moles	1									✓
7	Oct. 27, 2003	Number of Molecules in a Chemical Reaction	Moles	1	✓	✓	✓	✓	✓				
8	Oct. 31, 2003	Mole Relationships in a Chemical Reaction	Moles	1	✓	✓	✓	✓	✓				
9	Nov. 6, 2003	Determining the Empirical Formula of a Compound	Moles	1			✓	✓	✓				
10	Nov. 14, 2003	Making Up Solution	Solutions	1			✓	✓	✓				
11	Nov. 20, 2003	Stock Solution and Dilution	Solutions	1									✓
12	Nov. 26, 2003	Precipitation of Lead (II) Nitrate	Solutions	1			✓	✓	✓				
13	Dec. 15, 2003	Spectra of Atomic Hydrogen	Atomic Structure	1									✓
14	Dec. 19, 2003	Atomic Mass of Noodlium	Atomic Structure	1									✓
15	Jan. 7, 2004	Formula of a Hydrate	Moles	1	✓	✓	✓	✓	✓				
16	Jan. 7, 2004	Solubility of a Salt in Water at Room Temperature	Solutions	1									✓

savitapall.com

17	Jan. 13, 2004	Alka-Seltzer Tablet Fizz Production	Gases	1									✓
18	Jan. 13, 2004	Planning Lab: Designing an Air Bag	Gases	1	✓	✓	✓	✓	✓				
19	Jan. 23, 2004	Planning Lab: The Great Popcorn Explosion	Gases	1									✓
20	Feb. 17, 2004	Bronsted-Lowry Acids and Bases	Acids – Bases	1									✓
21	Feb. 19, 2004	Hydrogen Bonding	Atomic Structure	1									✓
22	Feb. 25, 2004	Titration Lab: Standardizing a Sodium Hydroxide Solution	Acids – Bases	1									✓
23	Mar. 2, 2004	Transition Metal Compounds	Transition Metals	1									✓
24	Mar. 25, 2004	Testing Liquids for Polarity	Atomic Structure	1									✓
25	Mar. 25, 2004	Lab Activity: Polarity of Molecules	Atomic Structure	1									✓
26	Mar. 25, 2004	Properties of Acids and Bases	Acids - Bases	1	✓	✓	✓	✓	✓				
27	Apr. 26, 2004	Endothermic and Exothermic Reactions	Thermo-chemistry	1									✓
28	May 4, 2004	Determining the Enthalpy Change of a Chem. Reaction	Thermo-Chemistry	1			✓	✓	✓				
29	Sep. 20, 2004	Oxidation States of Manganese	Redox	1									✓
30	Sep. 24, 2004	The Wine Maker's Lab	Redox	1									✓
31	Sep. 30 2004	Electrochemical Cells	Redox	1			✓	✓					
32	Sep. 30 2004	Electrolysis of Aqueous Potassium Iodide	Redox	1			✓	✓					
33	Oct. 4 2004	Electrolysis	Redox	1			✓	✓					
34	Oct. 6, 2004	Electrochemistry Experiments	Redox	1									✓
35	Oct. 8, 2004	Electroplating	Redox	1									✓

savitapall.com

36	Oct. 25, 2004	An Analysis of Iron Tablets	Redox	1									
37	Oct. 25, 2004	Factors Affecting the Rate of a Reaction: Simulation	Kinetics	1									
38	Oct. 29, 2004	Factors Affecting Rates of Chemical Reactions: Planning	Kinetics	1									
39	Nov. 18, 2004	Oxalate-Permanganate Clock	Kinetics	1									
40	Nov. 24, 2004	Rates of Chemical Reactions: Order of a Reaction	Kinetics	1									
41	Dec. 2, 2004	Lab Activity: The Equilibrium Constant	Equilibrium	1									
42	Dec. 2, 2004	Determining the Activation Energy of a Reaction	Kinetics	1									
43	Dec. 7, 2004	NRC Visit: Fuel Cells and Alternative Energy Sources	Energy and Fuels	2									
44	Dec. 10, 2004	Equilibrium Concepts	Equilibrium	1									
45	Jan. 11, 2005	Le Chatelier's Principle	Equilibrium	1									
46	Feb. 1, 2005	Titration of a Strong Acid with a Strong Base	Acids - Bases	1									
47	Feb. 8, 2005	Hydrolysis – The Reaction of Ions with Water	Acids - Bases	1									
48	Feb. 18-28, 2005	Effectiveness of Sunscreens – Chemistry Component	Group 4 Project	10									
49	Mar. 3, 2005	Indicators	Acid - Bases	1									
50	Mar. 9, 2005	Some Reactions of Toluene	Organic Chemistry	1									
51	Mar. 9, 2005	Hydrolysis of Organic Halogen Compounds	Organic Chemistry	1									
52	Mar. 10, 2005	Nitration of Bromobenzene	Organic Chemistry	1									
53	Mar. 11, 2005	Reactions of Alcohols	Organic Chemistry	1									
54	Mar. 11, 2005	Reactions of Phenol	Organic Chemistry	1									

saylfpublicom

Savita Pall.com