***Demonstrations:***

***Demonstration 1: Physical Techniques; Purification of water***

***Demonstration 2: Chemical Reactions***

***Demonstration 3: Conductivity of Aqueous Solutions of Ionic Compounds, Molecular Compounds, and Household Products***

***Demonstration 4: Chemical Kinetics***

***Demonstration 5: Polymers***

***Demonstration 6: Boyle’s Law***

***Experiments:***

***Experiment 1: Safety in the Laboratory***

***Experiment 2: Laboratory Techniques and Measurements***

***Experiment 3: Chemical Reactions***

***Experiment 4: Preparation and Properties of Oxygen***

***Experiment 5: Physical and Chemical Properties of Alkanes and Alkenes***