

Laboratory Schedule

Case Studies?

Week	Activities
January 15	No Laboratory.
January 22	Introduction to Laboratory Experiments, Safety, Common Equipment. Tour of Town of Davidson including sites of former textile and asbestos mill, railroad tracks, development, Roosevelt Wilson Park/Lake Davidson. Set up Rain Collectors? <i>Environmental Sampling.</i>
January 29	<i>Determination of the Concentration of Carbon Dioxide in the Atmosphere</i> Petrifilms for airborne mold spores. Set up OGAWA Samplers
February 5	<i>NO_x Concentrations in the Town of Davidson</i> Weigh BaCO ₃ EXCEL Tutorial (Table PCs?)
February 12	Particulate collection and analysis <i>Acid Deposition</i> Collect Water Sample.
February 19	<i>Chemical Composition of Water and Water Softening</i> Petrifilms for bacteria count
February 26	<i>Chromatographic Analysis of Dyes</i>
March 5	Spring Break
March 12	<i>Water Purification</i> Collect Soil Sample.
March 19	<i>Physical and Chemical Properties of Soil</i>
March 26	<i>Toxicology and Remediation of Insecticides</i> Tablet PCs Weigh dry soil sample.
April 2	<i>Chemical Reactions and Electricity</i>
April 9	Easter Break
April 16	<i>Comparison of the Energy Content of Fuels</i>
April 23	<i>Field Trip: McGuire Nuclear Station</i>
April 30	<i>Field Trip: McGuire Nuclear Station</i>
May 7	No Laboratory.