

DATES	SEMINAR	BIOLOGY TOPICS	BIOLOGY LABS	CHEMISTRY TOPICS	CHEMISTRY LABS	MATH TOPICS	EXAMS & OTHER ACTIVITIES*
WK 1 Sept 24-28	NONE	<ul style="list-style-type: none"> • Introduction • Darwin's Observations & Theories • Mendelian Genetics 	<ul style="list-style-type: none"> • Microscopy I • Mitosis 	Classification of Matter Measurement Uncertainty	Measurements in Lab Size of a Molecule	Elementary Statistics	
WK 2 Oct 1-5	WHAT IS LIFE?	<ul style="list-style-type: none"> • Mitosis & Meiosis • Chromosomal Theory of Inheritance & Linkage 	<ul style="list-style-type: none"> • Microscopy I • Mitosis 	Atomic Structure and Atomic Weights Periodic Table Molecules and Ions Nomenclature	Measurements in Lab Size of a Molecule	Probability	<ul style="list-style-type: none"> • Field trip waiver due Thursday • Biology Exam I Wednesday
WK 3 Oct 8-12	NONE	<ul style="list-style-type: none"> • Other Extensions of Mendel's Model • Population Genetics, Hardy-Weinberg 	<ul style="list-style-type: none"> • Field Trip • Taxonomy and dichotomous keys 	Chemical Equations Formula Weights and the Mole	Field trip	Probability Distributions	Math Exam I Wednesday
WK 4 Oct 15-19	LIBRARY WORKSHOP	<ul style="list-style-type: none"> • Selection • Mutation, Migration, & Drift 	<ul style="list-style-type: none"> • Microscopy II • Taxonomy and dichotomous keys 	Stoichiometry Limiting Reactants	Analyze water samples from field trip	Functions and Modeling	
WK 5 Oct 22-26	NONE	<ul style="list-style-type: none"> • Sexual Selection • Speciation • Macroevolution 	Meiosis	Properties of Solutions Major classes of Reactions Concentration units	Start Miller-Oparin experiment Titration of acid content	Rates of Change: Linear and Exponential Models	Biology Exam II Wednesday
WK 6 Oct 29-Nov 2	"CRAZY IDEAS" IN SCIENCE	<ul style="list-style-type: none"> • Phylogenetics: Trees of Life • Characteristics of Viruses 	Meiosis	Energy and 1 st Law Enthalpy and Energy Changes in Reactions	Start Miller-Oparin experiment Titration of acid content	Transformations	
WK 7 Nov 5-9	NONE	<ul style="list-style-type: none"> • Bacteria and Archae • Protists 	Antibiotic Resistance	Gases, Pressure and the Gas Laws, Kinetic Theory of Gases	Reactions of copper in solution	Exponentials	<ul style="list-style-type: none"> • Thursday Faculty Retreat • Math Exam II Wednesday
WK 8 Nov 12 – 16	TOPICS IN ETHICS	<ul style="list-style-type: none"> • Plants • Fungi 	Antibiotic Resistance	More on solution properties Patterns of solubility	Reactions of copper in solution	Logarithms	Biology Exam III Wednesday
November 19-23th THANKSGIVING HOLIDAY BREAK							
WK 9 Nov 26-30	NONE	<ul style="list-style-type: none"> • Invertebrates 	Plants	Wave properties of light; Light and energy	Separation of Plant Pigments and Spectroscopy	Power Functions, Polynomials and Rational Functions	
WK 10 Dec 3-7	SELF-EVAL WORKSHOP	<ul style="list-style-type: none"> • Vertebrates 	Plants Lab clean up		Separation of Plant Pigments and Spectroscopy Lab clean up		Math Exam III Wednesday Presentations

* Biology homework will be due on Mondays. Chemistry and Math homework will be due on Thursdays.