

Guthrie Public Schools

Teacher/Course: Provo/Biology II

Grade Level: 11-12

Week	Pass Standard/Course Objectives	Pass Skills (PS= Process Skill,)	Assessments	Activities/Resources	Specialized Vocabulary (including but NOT LIMITED TO)
1-6	Characteristics of Life Safety Scientific Method Science Fair	PS (1.1-1.3, 3.1-3.5, 4.1-4.8, 5.1-5.2, 6.1-6.4)	Labs, Quizzes, Test, Science Fair Participation	Textbook, internet, worksheets, labs, Science Fair Project	Control, independent and dependent variable, hypothesis, experiment, data, scientific tools
7-12	Chemistry of Life Cells Energy Mitosis	PS (1.1-1.3, 2.1-2.3, 3.1-3.5, 4.1-4.8, 5.1-5.3, 6.1-6.4)	Labs, Quizzes, Test, Models	Textbook, internet, worksheets, Cell Model, labs, projects	Prokaryote, eukaryote, photosynthesis, respiration, aerobic, anaerobic, mitosis, asexual reproduction ion, transport
13-18	DNA Heredity Meiosis	PS (1.1-1.3, 2.1-2.3, 3.1-3.5, 4.1-4.8, 5.1-5.3, 6.1-6.4)	Labs, Quizzes, Test, Models	Textbook, internet, worksheets, DNA model, Meiosis Play, labs, projects	DNA, mRNA, tRNA, rRNA, protein synthesis, meiosis, Punnett square, sexual reproduction
19-24	Ecology Populations Adaptation	PS (1.1-1.3, 2.1-2.3, 3.1-3.5, 4.1-4.8, 5.1-5.3, 6.1-6.4)	Labs, Quizzes, Test, Models	Textbook, internet, worksheets, Populations Game, Adaptation Activity, labs, projects	Logistic growth rate, exponential growth rate, adaptation, specialization, chi square, Hardy-Weinberg
25-30	Bacteria Viruses	PS (1.1-1.3, 2.1-2.3, 3.1-3.5, 4.1-4.8, 5.1-5.3, 6.1-6.4)	Labs, Quizzes, Test, Models	Textbook, worksheets, Hot Zone (book), Model, internet, labs, projects	Transformation, bacteria, virus, lag phase
31-36	Plants Animals	PS (1.1-1.3, 2.1-2.3, 3.1-3.5, 4.1-4.8, 5.1-5.3, 6.1-6.4)	Labs, Quizzes, Test, Models	Textbook, worksheets, internet, labs, projects	Xylem, phloem, flowering, anther, stamen, organ, tissue, symmetry

	<u>Plants</u> Animals