

January 31	PD Day			
February 1	Activity – Launch Lab Somatic Cells and Start Cell Cycle slides 1-11			
February 2	Mitosis/Cytokinesis/Microscope – slides 12-24			
February 3	Investigation 12.A Modeling Mitosis			
February 4	Investigation 12.C Mitosis Lab (Group but all have to pass in a copy)			1
February 7	Cancer and Treatments Slides 25-38 Research Project Immunotherapy (Individual)			1
February 8	Target/Hormone Therapy and stem cells Slides 39 - 47			
February 9	Meiosis – Slides 48-63			
February 10	Variation/Independent Assortment/Crossing Over Slides 64-68 Activity 12.B			
February 11	Spermatogenesis/Oogenesis – Slides 69-80			
February 14	Reproductive Strategies/Life Cycles 81-103			
February 15	Flower Dissection Lab (Group but all have to pass in a copy)	Feb 18	Feb 22	1
February 16	Quiz 1			3
February 17	Male and Female Reproductive Structures 1-13 Investigation 13.A (cant do, no slides)			1
February 18	STI Treatments and Infertility – 14-28 Research Project STI	Feb 22	Feb 25	1
February 21	STSE Case Study Reflecting on Reproductive Technologies – Research (Group all have to pass in)	Feb 24	Feb 28	1
February 22	Preventing Contraception 29-36 Research Assignment Contraception (Group all have to pass in)	Feb 25	Feb 28	1
February 23	Hormones 36-46 combine this and below			
February 24	Menstrual Cycle 47-56			
February 25	Menstrual Cycle Lab (Group but all have to pass in a copy) – started on feb 24	Mar 2	Mar 7	1
February 28	Embryonic Development 57-71			
March 1	Membranes 72-82 combine this and below			
March 2	Embryonic Development and Fetal Development 83-94 - Investigation 13C			
March 3	Teratogens/Screening/Stem Cells 95-117 STSE Teratogens (Group all have to pass in)	Mar 7	Mar 9	1
March 4	STSE Stem Cells (Group all have to pass in) Career Focus Midwife	Mar 7	Mar 9	1
March 7	Review			
March 8	Test			7
March 9	Genetics History 1-17			
March 10	Investigation 14.A			
March 11	One Trait Crosses 18-27 Activity 14.1			
March 14	Exit Card 1 – One Trait Crosses (20 minutes) Incomplete Dominance/Co Dominance 28-37 Activity 14.3	In class only, test mark replaces	In class only, test mark replaces	1
March 15	Activity 14.3 continued Multiple Alleles 38-42 Multiple Alleles Worksheet	In class only, test mark replaces	In class only, test mark replaces	
March 16	Exit Card 2 – Incomplete/Co Dominance (20 Minutes) Two trait crosses 43-49	In class only, test mark replaces	In class only, test mark replaces	1

March 17	Exit Card 3 – Multiple Alleles (15 minutes) Activity 14.2 – analyzing a dihybrid cross Worksheet Two Trait Crosses	In class only, test mark replaces	In class only, test mark replaces	1
March 18	PD Day			
March 21	Exit Card 4 – Dihybrid Cross (20 minutes) Chromosome Theory of Inheritance 50-56 Sex Linkage – 56-60 Activity 14.4 – Sex Linked Inheritance Patterns			1
March 22	Activity 14.4 – Sex Linked Inheritance Patterns cont Polygenic Inheritance/Environment and Gene Expression 61-68 Start STSE Gene Expression (Group all have to pass in)	In class only, test mark replaces	In class only, test mark replaces	
March 23	Exit Card 5 – Sex Linkage (20 minutes) STSE Gene Expression and the Environment continued Start pedigrees if time	In class only, test mark replaces Mar 25	In class only, test mark replaces Mar 29	1 1
March 24	Exit Card 6 – Polygenic Inheritance (15 minutes) Pedigrees 1-22			1
March 25	Activity 14.5			
March 28	Exit Card 7 - Pedigrees (20 minutes) Review	In class only, test mark replaces	In class only, test mark replaces	1
March 29	TEST 1			8
March 30	DNA Extraction Launch Lab DNA Structure 1-14			
March 31	Activity 15.1 DNA Deductions Structure of DNA/RNA/Genome 15-24			
April 1	DNA Replication 25-36 Investigation 15.A			
April 4	Exit Card 8 – Chargaff (15 minutes) Gene Expression/Protein Synthesis/Transcription/Translation 37-49	In class only, test mark replaces	In class only, test mark replaces	1
April 5	Exit Card 9 – DNA Replication (20 minutes) Examples 50-55 Activity 15.2 and 15.3	In class only, test mark replaces	In class only, test mark replaces	1
April 6	Investigation 15.B Simulating Protein Synthesis Mutations 56-66	In class only, test mark replaces	In class only, test mark replaces	
April 7	Exit Card 10 - Protein Synthesis (20 minutes) Mutations Worksheet			1
April 8	Exit Card 11 – Mutations (20 minutes) Chromosomal Mutations/Mutagens 66-81 Epigenetics 82-84	In class only, test mark replaces	In class only, test mark replaces	1
April 11	Genetic Disorders 84-95			
April 12	Human Genome Project 96-98 STSE The Human Genome Project (Group but all pass in a copy)	Apr 14	Apr 25	1
April 13	Genetic Technologies/Gel Electrophoresis Questions 99-114			
April 14	Exit Card 12 – Gel Electrophoresis (10 minutes) More Technologies/Benefits and Risks 115-132	In class only, test mark replaces	In class only, test mark replaces	1
April 25	Poster Research Project – Genetic Technology Issues (Group)	April 27	May 5	1

April 26	STSE – Gene Therapy (Group but all pass in a copy)	May 4	May 6	1
April 27	Review			
April 28	Review			
April 29	Test 2			8
May 2	Intro to Evolution slides 1-12 Investigation 16A (Group all have to pass in a copy)	May 5th	May 10th	1
May 3	Natural Selection slides 13-25			
May 4	Exit Card 13 Evolution Theory and Contributors 26-42 Darwin's Observations 43-47 Activity 16.3	In class only, test mark replaces	In class only, test mark replaces	1 1
May 5	Half Day - no plans			
May 6	PD Day			
May 9	STSE Debating Science			1
May 10	Evidence of Evolution 49-62			
May 11	Comparative Anatomy/Embryology/Microbiology 63-72			
May 12	Exit Card 14 Evolution of New Species/Barriers/ The Pace of Evolution 73-92	In class only, test mark replaces	In class only, test mark replaces	1
May 13	Exit Card 15 Describing Genetic Diversity/Hardy-Weinberg Equilibrium 92-101 Investigation 17.B - group all have to pass in (School Play Matinee 9 AM)	In class only, test mark replaces	In class only, test mark replaces	1 1
May 16	Finish investigation 17.B			
May 17	Causes of Gene Pool Changes/Human Affects 99- 123 Activity 17.1 and 17.2			
May 18	Hardy Weinberg Worksheet STSE Genetic Engineering			1
May 19	Exit Card 16 Review	In class only, test mark replaces	In class only, test mark replaces	1
May 20	Test			9
May 24	Classification/Bacteria/Archea 1-14 Eukarya/Protista/Fungi/Plantae Animalia/Viruses/Identification Tools 15-28			
May 25	continue notes from last day and Lab Using a Dichotomous Key			1
May 26	How we Classify 29-45 Research Project Activity 17.4			1
May 27	Non-chordates 46-62			
May 30	Anatomy Lab 1			1
May 31	Chordates 63-77			
June 1	Anatomy Lab 2			1
June 2	In Class Assignment			4
June 3	Finish Incomplete Work Day			
June 6	EST Day 1 Visualizing Early Human Development			1%
June 7	EST Day 2 Genetically Modified Organisms			1%
June 8	EST Day 3 Biotechnology Assessing Unintended Consequences			1%
June 9	EST Day 4 Evolving Superbugs and Analyzing Changes in Beak Depth			1%
June 10	EST Day 5 Classifying Species			1%
	Enriched Summative Task 2 hours to write			15%
June 15				

	40 Short Answers - Cheat Sheet one 11x17 or two 8x11 Unit 1: 12 Marks Unit 2: 15 Marks Unit 3: 13 Marks		
June 20			
June 21			
June 22			
June 23			
June 24	Admin Day		