

Molecular Genetics		
DATE	ACTIVITY	HOMEWORK
Nov. 29	Notes-(Start) DNA Structure & Replication	Read and outline 11.1 and 11.2
Mobile Lab	Online Activities 11.2 & 11.3	
Nov. 30	Review Test	Read and outline 11.3 and 11.4
	Introduce Term 2 Lab	
Dec. 1	Notes- (Finish) DNA structure and Replication	Pre-Lab
	DNA Virtual Extraction online as class:	
	http://learn.genetics.utah.edu/units/biotech/extraction	
Dec. 2	Practice Gel Loading	Read and outline 11.5 and 11.6
Mobile Lab	Review blood typing (ABO, Rh +/-, inheritance)	
	Blood Typing Game - nobelprize.org/educational/medicine/landsteiner/	
	It Takes a Lickin - www.pbs.org/wgbh/nova/sheppard/lab01.html	
Dec. 3	Lab-Gel Electrophoresis/Pedigrees/Blood Typing	Read and outline 13.1 and 13.2
	blood typing and pedigrees	
	More practice loading gels (if time)	
Dec. 6	Lab-Gel Electrophoresis/Pedigrees/Blood Typing	Read and outline 13.3 and 13.4
	load and run gels	Work on Formal Lab- Due 12/20
Dec. 7	Notes-RNA and Protein Synthesis	Complete Activity - Cracking the Code
Mobile Lab	Online Activities 11.4 & 11.5	Read and outline 13.5
Dec. 8	Quiz - Molecular Genetics	Reading and Questions - Human or Chimp?
	Notes-Mutations and Gene Regulation	
Dec. 9	Notes - Modern Techniques I	Reading and Questions - Chemistry Nobel Glows...
	show pGlo fish	
	Review Human or Chimp	
Dec. 10	Activity - Current Issues in Biotechnology	Work on Formal Lab- Due 12/20
Mobile Lab	introduce activity and assign groups	
	Review Chemistry Nobel Glows... Reading	
Dec. 13	Notes - Modern Techniques II	Answer questions for assigned groups
	meet with expert groups	
Dec. 14	Activity - Current Issues in Biotechnology	Pre-lab Transformation Lab
	base groups and class discussion	
	Introduce lab	
Dec. 15	Day 1- Transformation lab	Virtual Transformation - Parts 1 & 2
	perform transformation	
Dec. 16	Day 2- Transformation Lab	Virtual Transformation - Parts 3 & 4
Mobile Lab	Explore "The Impact of DNA" - dnai.org	
Dec. 17	Day 3-Transformation lab- view results and discussion	Work on Formal Lab- Due 12/20
Dec. 20	Science Now Video - RNAi	
	http://www.pbs.org/wgbh/nova/body/rnai.html	
	RNAi Activity	
Dec. 21	DNA- The secret of life Video	Study for exam
	Extra time for review	
Dec. 22	Exam	
Dec. 23	Review Exam	HAPPY VACATION!!!! :)
	Finish DNA secret of life video	