There will be NO School Monday Feb. 18th--Inservice Day for Teachers

Daily Lesson Plans	Academic Biology	Feb 1922,	Mrs. Linda Henry
Chapter 8DNA to		2019	Unit: Heredity
proteins			

Standards with

Objectiv	'es	Activities	Evaluation	Enrichments
1. e to su le st	1.10A5—relat life processes o cellular and ub-cellular evels tructures and unctions	Mondayno school Tuesdaypass out the power notes and study guides for Chapter 8section 1 for notes and HW	power notes and study guide for	Try the standards based assessment for this chapter on page 209 of your textbook. Many of these will be similar to your Biology Keystone Exam questions later this
2. re ar D sc	elate the history nd discovery of NA to the early cientists	Wednesdaydescrib e the parts of the DNA molecule.	Chapter 8 DNA and protein synthesis	year! Adaptations for activities and
3. list th nu m	st the parts of ne four ucleotides that nake up DNA	Section 2 of notes and study guide. Thursdayreview	Nucleic Acids packet	tutoring: 1. Concept map 2. Word search 3. Critical
4. ex do ho ar	xplain the ouble helix and ow it is cranged	the parts of the DNA molecule and then pass out the nucleic acids packet. Have		thinking essays 4. Flashcards 5. Section
5. de re S	escribe DNA eplication in the phase of the ell cycle	students READ and answer questions about DNA		reviews 6. Chapter reviews 7. Read chapter
6. lis	st and describe ne part of RNA	Fridaygo over packet and continue		highlights
7. di be ar	ifferentiate etween DNA nd RNA	notes on DNA replication. Assign section 3 of the study		
8. lis th of	st and describe ne three types f RNA	guide packet		
9. lis di be tr	st and describe ifferences etween ranscription ad translation			

Daily Lesson Plans	Biology Laboratory	Feb 19-22, 2019	Mrs. Linda Henry
Chapter 8DNA to	(Every other day)		Unit: Heredity
proteins			

PA Academic Standards and	Activities	Evaluations	Enrichment
Objectives			
1. 3.1.10A5— relate life			Go Online! To HMDScience.com
processes to	Recovering the		For virtual labs, poison
cellular and	Romanovs using	Project: Recovering	frogs and Biozine
sub-cellular	DNA analysis	the Romanovs	articles
levels			
structures and	students will access		Adaptations for
functions	www.dnai.org to		activities and
2. 3.1.10.A6 —ide	view the information		tutoring:
ntify the	about the Romanovs		1. Concept map
advantages of	and how their bodies		2. Word search
multicellularit	were identified		3. Critical
y in organisms			thinking
3. analyze nuclear			essays
DNA and			4. Flashcards
Mitochondrial			5. Section
DNA for crime			reviews
scenes			6. Chapter
			reviews
			7. Read chapter
			highlights

Daily Lesson Plans Chapter 1History of Microbiology	Introduction to Microbiology	Feb.19-22, 2019	Mrs. Linda Henry Unit: Background of Microbiology and the control of bacteria
PA Academic Standards and		Evaluations	
Objectives	Activities		Enrichment
 3.1.10.A5—relate the life processes of cellular and subcellular structures to their function 2. recognize the system of naming bacteria 3. differentiate between the major types of microbes 4. list the domains of microbes 5. explain the importance of 	Mondayno school Tuesdaygo over virtual lab. Pass out the study guide for the chapter. Students will read and complete the sections on Chapter 1	Bacterial transformation lab Chapter 1 study guide	EnrichmentTry clinical applicationson page 24-25 in yourtext for practice in highercritical thinking skills.Adaptations for tutoringand activities:1.Concept maps2.Word search3.Critical thinkingessays4.Flashcards5.Section reviews6.Chapter reviews
importance of contributions of microscopes to microbiology	Wednesdaygo over packet and review for test	review for test	7. Read chapter highlight
6. list the steps in Koch's postulates	ThursdayTest on Chapter 1 Fridaygo over	Chapter 1 test	
	test and begin Chapter 3 on types of microscopes and viewing microbes	Notes on Chapter 3	

Daily Chapt profili	Lesson Plans er 11- DNA ng	Introduction to Forensics (B daysevery other day)	Feb. 19-22, 2019	Mrs. Linda Henry Unit:Individual evidence
PA Ac Standa Object	cademic ards with tives	Activities	Evaluations	Enrichment
1. 2.	3,4,10.A-techno logy and how it impacts scientific endeavors 3.1.10.B4—expl ain how technologies have impacted the field of	Tuesday and ThursdayChapter review on DNA and genetic profiling. ThursdayTest on Chapter 1	Chapter 11 notes on DNA and profiling	Try clinical applications on page 24-25 in your text for practice in higher critical thinking skills. Adaptations for tutoring and activities: 1. Concept maps
	forensics.		REview of DNA	 Word search Critical thinking essays

3.	list the three	Test on Chapter 1	4.	Flashcards
	main parts of		5.	Section
	the DNA			reviews
	molecule and		6.	Chapter
	explain how		_	reviews
	individualizas		7.	Read chapter
	avidence et			highlights
	evidence at			
	crime scenes			
4.	describe the			
	early process of			
	electronhoresis			
	of DNA			
	OI DNA			
5.	differentiate			
	between RFLP			
	and STR			
6.	explain PCR			
	and how it has			
	helped forensic			
	scientists to			
	analyze small			
	amounts of			
	DNA			
7.				

Daily Lesson Plans Chapter 1	Advanced Biology	May 1418, 2018	Mrs. Linda Henry Unit:
PA Standards with Objectives	Activities	Evaluations	Enrichment
			Try clinical applications on page 24-25 in your text for practice in higher critical thinking skills. Adaptations for tutoring and activities: 1. Concept maps 2. Word search 3. Critical thinking essays 4. Flashcards 5. Section reviews 6. Chapter reviews 7. Read chapter highlights