

DHS Remote Learning
Subject: AP Biology

WEEK 1 3/16 - 3/20	Monday	Tuesday	Wednesday	Thursday	Friday
Standards	Cumulative: Units 1-3, & 8	Cumulative: Units 1-3, & 8	Unit 4: Cell Communication & Cell Cycle	Unit 4: Cell Communication & Cell Cycle	Unit 4: Cell Communication & Cell Cycle
Opening	Review course outlines, Khan academy articles, video lectures and any other pertinent study material.	N/A	Khan Academy: Cell Communication & Cell Cycle Video lessons / articles	Review Bozeman Science video lectures <ul style="list-style-type: none"> Cell Cycle, Mitosis & Meiosis Signal transmission & gene expression Evolution of Cell Communication Cell communication 	Review Bozeman Science video lectures <ul style="list-style-type: none"> Signal transduction pathways Effects of changes in pathways Information Change Diploid vs Haploid Cells
Work Period	Review Practice Midterm assessment within AP Classroom	Complete Midterm Assessment <ul style="list-style-type: none"> You will have 90 minutes to answer 60 questions. Assessment will only remain open between the hours of 8am and 3pm 	Khan Academy: Cell Communication & Cell Cycle practice exercises	HHMI Bio-interactive Virtual Lab: The Eukaryotic Cell & Cancer	<ol style="list-style-type: none"> Cell signaling virtual practice Bio-membranes II: Membrane Dynamics and Communication
Closing	N/A	N / A	Khan Academy: Cell Communication & Cell Cycle Assessments <ul style="list-style-type: none"> Quiz 1 Quiz 2 Unit test 	Pearson: Mastering Biology Ch. 11 HW w/ adaptive follow up	Pearson: Mastering Biology Ch. 12 HW w/ adaptive follow up

Week 2 3/23 - 3/27	Monday	Tuesday	Wednesday	Thursday	Friday
Standards	Unit 4: Cell Communication & Cell Cycle	Unit 5: Heredity	Unit 5: Heredity	Unit 5: Heredity	Unit 5: Heredity
Opening	Read and take additional notes from the Unit 4 course outlines.	Khan Academy: Heredity Video lessons / articles	Review Bozeman Science video lectures <ul style="list-style-type: none"> • Mendelian Genetics • Advanced Genetics • Probability in Genetics • The Sodaria Cross • Chromosomal Genetics 	Review Bozeman Science video lectures <ul style="list-style-type: none"> • Chromosomal Inheritance • Linked Genes • Genotype and Phenotype • Meiosis 	Read and take additional notes from the Unit 5 course outlines.
Work Period	College Board /AP Classroom Unit 4 progress Check	Khan Academy: Heredity practice exercises	HHMI Bio-interactive: The Making of the Fittest - Natural Selection in Humans (MENDELIAN GENETICS, PROBABILITY, PEDIGREES, AND CHI-SQUARE STATISTICS)	HHMI Bio-interactive: Mapping Genes to Traits in Dogs Using SNPs	College Board /AP Classroom Unit 5 progress Check
Closing	Ensure all Unit 4 Materials are submitted (DUE 11:59) <ul style="list-style-type: none"> • Khan Academy • Mastering • Virtual Labs / practice • AP Classroom 	Khan Academy: Heredity Assessments <ul style="list-style-type: none"> • Quiz 1 • Quiz 2 • Unit test 	Pearson: Mastering Biology Ch. 13 HW w/ adaptive follow up	Pearson: Mastering Biology Ch. 14 HW w/ adaptive follow up	Pearson: Mastering Biology Ch. 15 HW w/ adaptive follow up

NOTE: Ensure all Unit 5 Materials are submitted by Sunday 3/29/2020 (DUE 11:59pm**)**

- Khan Academy
- Mastering
- Virtual Labs / practice
- AP Classroom