

August 2014

Genetics

DO: activities to DO in class that week

HW: homework assignments to work on outside of class that week

Underline = class handouts ; (#) = graded points

13-15

DO: discuss syllabus & projects & safety contract.

DO: BTR#1: Cell Review (How does brain cell work? Hemoglobin folding? ATP), signed syllabus & SC (5)

DO: finish BTR#1: Cell Review, books out ... read 8.1 → 8.11 n start Mitosis Crossword, start color n cut

HW: bring 3-ring notebook, parent signed safety contract & syllabus, read 8.1 → 8.11, Mitosis Crossword

18-22

DO: BTR#2: Cell cycle diagram, start Mitosis notes, color-n-cut chromosomes, NB (5)

DO: finish Mitosis (videos, notes, model), finish color-n-cut chromosomes (5)

DO: BTR#3: Draw Mitosis n Cancer Intro, finish Mitosis notes, start Mitosis Flip Book

DO: Mitosis Flip Book (10) Cancer Article #1: I-Diagram, Mitosis Crossword (10),

DO: BTR#5:, Mitosis Flip Book (10), IPMAT CHAT

HW: Mitosis Diagrams ... due FRI, HW: Cancer Article #1: I-Diagram

25-28

DO: BTR#4: Mitosis WS & 2n=8 Anaphase, Model Mitosis, Mitosis Crossword (10),

DO: BTR#5: Mitosis SG, BTR#7: Cancer Article#1 questions BTR#3: Cancer intro

DO: Mitosis Quiz (30), BTR#6: Cancer NTO & intro video, start CA#1 video, , Meiosis AG

DO: more BTR#7:CA#1 ? (video), , CA#2

HW: read 8.12 → 8.23, Meiosis AG, Cancer Article #2: I-Diagram

SEPTEMBER: -----

2-5

DO: look @ Mitosis QUIZ, finish BTR#7:CA#1?, more BTR#6: Cancer NTO,

DO: BTR#8: Meiosis Intro, look at BTR#9:Meiosis AG

DO: BTR#8:Meiosis Intro, Meiosis notes, videos, model

DO: finish Meiosis notes n videos, finish BTR#8: Draw Meiosis .. work on Meiosis Flip book

HW: read 8.12 → 8.23, Meiosis AG, Meiosis Flip Book, Cancer Article #2: I-Diagram

8 - 12

DO: look @ Mitosis QUIZ, look at BTR#9:Meiosis AG, Meiosis WS, grade Meiosis Flip Book (10)

DO: BTR#10: Metaphase Diagrams, BTR#11: Meiosis WS,

DO: Intro MM Booklet ... due 9-18 BTR#12: CA#2?s & video

DO: BTR#12: CA#2?s & video, CA #1 & #2 ID(10)discuss cancer article#2, MM Recap Cancer Notes, BTR#6: Cancer NTO

DO: BTR#13: MM Recap, & MM slides discuss CA #2 & #3

HW: MM Recap **MM Booklet due 9-18**, Cancer Article #3: I-diagram

15 - 19

DO: work on CA#3 ... I-diagram

DO: discuss CA #2 BTR#15: Meiosis Practice Quiz

DO: discuss CA #3 (5)

DO: **MM BOOKLET (30)** discuss CA #3, check BTR#14: Meiosis Practice Quiz

DO: discuss CA #3

22-26

DO: finish Cancer NTO & CA#3

DO: **MM TEST (65)**, **Cancer Essay (12)**, start Fred Griffith WS

DO: CA#3 A-D I-Diagram (10), Read 10.2 & 10.3 work on DNA Dudes Timeline, NOTES (DNA history & structure)

DO: BTR#15: Fred Griffith WS, NOTES (DNA history & structure)

DO: BTR#15: Fred Griffith WS, NOTES (DNA history & structure)

HW: take home Cancer Essays

OCTOBER: -----

HW: Read 10.1-10.3 [DNA Dudes Timeline](#), [Fred Griffith WS](#), Read 10.4-10.5, [Replication Articles](#), [DNA Review WS](#)

1 - 5

DO: BTR#17: Dudes Recap n DNA Diagram, DNA Timeline (5), Replication Notes
DO: DNA Replication videos (A & B) n NOTES, [Replication...paper modeling](#)
DO: BTR#18: DNA Review WS [Replication...paper modeling](#)
DO: DNA QUIZ (25), read [Aging Articles #1](#)

HW: Read 10.1-10.3 [DNA Dudes Timeline](#), [Fred Griffith WS](#), Read 10.4-10.5, [Replication Articles](#), [DNA Review WS](#)

8 - 11

DO: Replication Bead model project ... build gene
DO: (sub) work on aging articles
DO: Replication Bead model project ... build gene
DO: Replication Bead model project, Intro Replication BOOKLET (chapter 2)

HW: [Aging Articles](#)

15 - 19

DO: BTR#19: [What's Wrong n End Problem?](#), start DNA Diagram
DO: BTR#19: [What's Wrong n End Problem?](#)
DO: End Problem (slide, diagram) Aging video (telomere OZ n HS kid (telomerase GE)
DO: aging video1 (worm mutation & Foxo gene), BTR#20: [Aging Articles #1](#) ?
DO: DNA Replication Diagram (10), Replication BOOKLET (25), , calories restriction)

HW: [Replication BOOKLET](#) Due 10-19, [Aging Articles](#), [DNA Diagram](#)

22 - 24

DO: aging videos Intro [Aging Articles #2](#) ... due after PT
DO: BTR#21: [Aging Update #1](#), BTRset2..., 14-21 (18) aging video (FF n Antiox)

29 - 2

DO: BTR #22: [Aging Update Articles #2](#) (FF n Antiox n Riley)
DO: TNT notes
DO: [TNT notes](#) n videos, BTR#23: PP Review Translation video review
DO: [TNT notes](#) n videos, BTR#23: PP Review Niremberg Diagram

HW: read 10.6 → 10.10 & do [TNT reading 1 n 2](#),

NOVEMBER: -----

DO: TNT 1 & 2 (10), Photo shoot (transcription) BTR#25: TNT Review
DO: Photo shoot (translation), start [Dino TNT](#)
DO: Intro TNT BOOKLET (25) BTR#26: [Mutation Intro](#), notes (mutation), work on Dino TNT
DO: , BTR#27: [Melanin Article](#), work on Dino TNT
DO: Genome videos, Genome Articles 1-3

HW: TNT Review, Dino TNT, start TNT Booklet chapter 3.... due 11-8, Genome Articles 1-3

5-9

DO: BTR#28: Antisense, Genome Articles 1-3 (10) video
DO: Genome videos, Genome Articles 4-6
DO: BTR#29: Save Pooh,
DO: DNA TEST SG n Take-home WP TEST
DO: DNA TEST (88),

HW: [Genome Articles 1-3 & 4-6](#), [Save Pooh](#) [Epigenetics Article](#)

12-16

DO: Dino TNT (10), Genome Articles 4-6 & video, [Epigenetics Article](#) & video
DO: [Epigenetics Article](#) & video
DO: [Epigenetics Article](#) & video, Genome Articles 1-7 (20 & EC), Take-home WP TEST (40)
DO: BTR#30: FF Care,
DO: BTR#31: This is Wild

HW: [Epigenetics Article](#), Take-home TEST, [FF Care Reading and ?s](#)

19-20

DO: Count F₁ FF

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HW: Chapter 9 Reading A & B

27-30

DO: Mendel Notes

DO: (sub) Chapter 9 reading A & B, X₂ example

DO: Mendel Notes, X₂ examples #1-2

DO: Mendel Notes, X₂ examples #3

DO: Mendel Notes, BTR#28: X₂ examples #4, BTR#32: PS:1-Trait WS, Chapter 9 Reading A & B (20)

DECEMBER -----**3-7**

DO: ,Mendel Notes, Chapter 9 Reading A & B (20)

DO: Count F₂ FF,

DO: Count F₂ FF

DO: Mendel Notes, practice PS

10-14

DO: Mendel Notes (Sex-linked), count F₂ FF, HWPS

DO: start FF Project

DO: BTR#30: Transformation Lab (Day 1),

DO: BTR#30: Transformation Lab (Day 2), count F₂ FF

DO: help with FF project, BTR#32: CPWS ...last practice PS

17-18

DO:

DO: DNA FINAL Outline, Chapter 9 readings (20)