

Week 2: (4/6- 4/10)

Grade 8 Science – *Modified from [Unit 5 Natural Selection](#)*

Targeted Goals from Stage 1: Students will be able to correctly interpret Pedigree Charts to determine how traits are passed through a family.

Content Knowledge: Students will use their knowledge of Punnett Square to correctly interpret Pedigree Charts

Vocabulary: Dominant/Recessive, Homozygous/Heterozygous, Genotype/Phenotype

Skills: Analyze experimental data, synthesize information, and communicate learning.

Expectation: Students will use their knowledge of Punnett Square to correctly interpret Pedigree Charts

Answer keys are provided to students so that they can self-assess their learning. Students will have a check-in at the end of each week to determine their level of understanding. An answer key will not be provided for this teacher-assessed assignment.

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday:	Khan Academy: (6:07) YouTube video-Pedigrees Classical genetics High school biology Khan Academy (link posted in Google Classroom)	Worksheet #1: Can you read a Pedigree Chart Answer Key: Pedigree answer.PNG
Tuesday:	(Only watch the first 3 minutes) YouTube video – Pedigree Charts (link posted in Google Classroom)	Worksheet #2: Pedigree Worksheet #2 with answer key
Wednesday:	Watch till 6:28 YouTube video- Amoeba Sisters-Pedigrees (link posted in Google Classroom)	Worksheet #3 INTERPRETING A HUMAN PEDIGREE: Answer Key: Answer Key for INTERPRETING A HUMAN PEDIGREE:
Thursday:	Re-watch any of the previous videos	Worksheet #4: (Answer sheet attached) Pedigree Chart Worksheet page 1.pdf Worksheet #5: (Answer sheet attached) Pedigree Chart Worksheet Page 2.pdf Edulastic Check in: This link will be posted to Google Classroom on Friday morning.

Friday: Good Friday No School

Week's criteria for success (attach student checklists or rubrics): Students will be able to trace a genetic trait through several generations of a family, be able to accurately determine if the trait is dominant or recessive and complete Edulastic check in with 80% or greater.

Supportive resources and tutorials for the week (plans for re-teaching): (see posting in Google classroom)