Family Pedigree Project Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Due:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Points: \_\_\_\_\_\_\_\_\_\_\_

This project is designed to practice and an investigation into your own genetic code.

Requirements:

* Investigate One Trait
* Your pedigree should contain at least 10 people and 3 generations minimum
* You can use your entire family or choose to focus on one side of the family
* Describe the trait or disease you chose
  + How is it inherited? Dominant/ Recessive, Autosomal/ Sex-linked
  + What are the charateristics
  + How is it comtrolled
  + Tell me about how ‘runs’ in your family
* Use the appropriate symbols, shading, and denote **genotype** for each individual
* Final copy = neat, organized, ink or typed, color
* Your grade will be determined based on accurate representation of the pedigree, neatness, creativity.

List of possible traits (not limited to just this list):

Tongue rolling (R? or Rr = roller, rr = non-roller)

Attached earlobes (E? or Ee = unattached, ee = attached)

Mid-digital hair [hair between the two knuckles] (M? or Mm = hair, mm = no hair)

Hitch-hiker’s thumb (T? or Tt = hitch-hiker, tt = non-hitch hiker)

Widow’s peak (W? or Ww = widow's peak, ww = no widow's peak)

Dimples (D? or Dd = present, dd = no dimples)

Freckles (F? or Ff = present, ff = no freckles)

Hair texture (HH = curly, Hh = wavy, hh = straight)

Chin Cleft (C? or Cc = no cleft, cc = present)

Orrrrr pick a genetic DISEASE that you know runs in your family and research the inheritance!!! (high blood pressure, diabetes, color blindness)