**Polygenic Traits**

**HW: Research and Presentation of Findings**

**Objectives:**

a) TLW research one case study and determine if the inheritance pattern is influenced by multiple gene loci or environmental factors.

b) TLW present on one powerpoint slide and defend their decision in front of their peers.

**Procedure**:

1. Work in pairs to research and describe one of the cases listed below:

Human height

Human skin color

Human hair color

Human eye color

Human baldness

Human weight

Human intelligence

Fingerprint (ridge count)

Himalayan rabbits and coat color

Hydrangea flower color

Wing color in *Vanessa urtic* and *Vanessa io* butterflies

Other??

2. After the partners have conducted thorough research and completed one powerpoint slide that gives a complete description of what is happening at the genetic level in their chosen topic, conclude whether multiple genes or environmental influences were responsible for producing the variations in phenotypes. It is possible that some cases might involve both multiple genes and environmental influences.