

Heredity: Crash Course Biology #9

CrashCourse

The study of heredity is ancient,, but the first ideas about how the goods are passed on from parents to kids were wrong.. Aristotle suggested that we were each a mixture of our parents ' traits.. Gregor Mendel was the first person to really start studying genetics in a modern way.. Mendel demonstrated that inheritance followed particular patterns. a gene is a section of DNA in a specific location on a chromosome that contains information that determines a trait. the vast majority of the time. A physical trait is a reflection of a bunch of different genes working together. however,, some single traits are decided by a single gene. when that happens, in Mendel 's honor, we call it a Mendelian trait. there is just one gene that determines consistency of your earwax. we inherit one version of the earwax gene from each of our parents.. Parents Mendel discovered that when there are two alleles that decide the outcome of a specific trait,. One of these alleles could be dominant and the other one recessive. Mom got one from Nanny and one from Paw Pay.

Reginald C Punnett invented the Punnett square as a way to diagram the outcome of a cross-breeding experiment. John and Hank both have wet ear wax and dry ear wax. the gene affects how wet your ear wax is and how much you stink.. This may explain the odor of our bathroom growing up. certain genetic traits are linked to a person 's sex and are passed on through the sex chromosomes.. men have one x chromosome that they inherited from their mom and this one little, Puny, shriveled chromosome that we call " y. so if you're balding, you can go ahead and blame it on your maternal grandmother or your maternal greatgrandfather..