

Standard 3

3A	Students know how to predict the probable outcome of phenotypes in a genetic cross from the genotypes of the parents and the mode of inheritance (autosomal or x-linked, dominant or recessive).
3B	Students know the genetic basis for Mendel's laws of segregation and independent assortment
3C	Students know how to predict the probable mode of inheritance from a pedigree diagram showing phenotypes.
3D	Students know how to use data on frequency of recombination at meiosis to estimate genetic distance between loci and to interpret genetic maps of chromosomes