

Genetic Inheritance

Genes

Sections of DNA code
Control our traits

Chromosomes

46 in Humans 23 pairs

Alleles

Different versions of a gene e.g. **B** or **b**

Dominant Allele

B

MASKS the recessive

Homozygous

BB or bb

Same Alleles

Heterozygous

Bb

Different Alleles

Punnett Square

	B	b
B	BB	Bb
b	Bb	bb

Predicts Offspring

Phenotype = Physical Traits



Brown Eyes



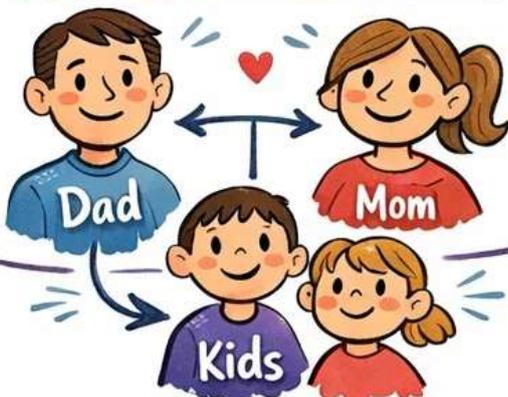
White Flower

Genotype = Genetic Makeup

BB, Bb or bb

Inheritance

Passed from Parents to Children



The Gene Combination

Mendel's Experiments

+ Pea Plants

Discovered the rules of inheritance!

