

# Keywords: Autumn 2

## Science

**Topic Title: B6 Inheritance, variation and Evolution**

**Introduction to the topic: Why are you learning it and how does it link to what you've learned before? This topic links to variation and how characteristics are inherited which you will have covered in KS3.**

**What lessons will you cover during the topic?**

**You will be learning about DNA and Reproduction. You will also learn about variation, inherited characteristics and disorders!**

<b>Keyword</b>	<b>Definition</b>
Gene	The basic unit of genetic material inherited from our parents. A gene is a section of DNA which controls part of a cell's chemistry - particularly protein production.
Chromosome	The structure made of DNA that codes for all the characteristics of an organism.
DNA	Deoxyribonucleic acid. The material inside the nucleus of cells, carrying the genetic information of a living being.
Variation	Difference between individuals, distance from the norm.
Genome	The complete set of DNA found in an organism.
Alleles	Different forms of the same gene.
Dominant	An allele that always expresses itself whether it is partnered by a recessive allele or by another like itself
Recessive	Describes the variant of a gene for a particular characteristic which is masked or suppressed in the presence of the dominant variant. A recessive gene will remain dormant unless it is paired with another recessive gene

