Biology	Year 8 Biology content - Autumn Term	How to support students' learning
	Variation and inheritance • The variation between individuals within a species being continuous or discontinuous, to include measurement and graphical representation of variation • The variation between species and between individuals of the same species means some organisms compete more successfully, which can drive natural selection • Heredity as the process by which genetic information is transmitted from one generation to the next • A simple model of chromosomes, genes and DNA in heredity, including the part played by Watson, Crick, Wilkins and Franklin in the development of the DNA model Selective breeding and natural selection • Understand the importance of maintaining biodiversity and the use of gene banks to preserve hereditary material • State that the variation between species and between individuals of the same species means some organisms compete more successfully, which can drive natural selection • Describe how changes in the environment may leave individuals within a species, and some entire species, less well adapted to compete successfully and reproduce, which in turn may lead to extinction	Encourage your child to read the information and watch the videos available here: Inheritance and genetics - KS3 Biology - BBC Bitesize
	Selective breeding and natural selection • Understand the importance of maintaining biodiversity and the use of gene banks to preserve hereditary material • State that the variation between species and between individuals of the same species means some organisms compete more successfully, which can drive natural selection • Describe how changes in the environment may leave individuals within a species, and some entire species, less well adapted to compete successfully and reproduce, which in turn may lead to extinction	Encourage your child to watch the video here: Selective Breeding | Evolution | Biology | FuseSchool (youtube.com)