Subject	Year 8 Biology Content – Summer term	How to support students' learning
Genetics	<ul> <li><u>Variation and inheritance</u></li> <li>The variation between individuals within a species being continuous or discontinuous, to include measurement and graphical representation of variation</li> <li>The variation between species and between individuals of the same species means some organisms compete more successfully, which can drive natural selection</li> <li>Heredity as the process by which genetic information is transmitted from one generation to the next</li> <li>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</li> </ul>	Encourage your child to read the information and watch the videos available here: <u>Inheritance and genetics - KS3 Biology - BBC</u> <u>Bitesize</u>
	<ul> <li>Selective breeding and natural selection         <ul> <li>Understand the importance of maintaining biodiversity and the use of gene banks to preserve hereditary material</li> <li>State that the variation between species and between individuals of the same species means some organisms compete more successfully, which can drive natural selection</li> <li>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</li> </ul> </li> </ul>	Encourage your child to watch the video here: <u>Selective Breeding   Evolution   Biology  </u> <u>FuseSchool - YouTube</u>