

Biology A Level Intent

“There's biology in everything, even when you're feeling spiritual.” (Helen Fisher)

On their journey to become a confident biologist, students will be taught the key principles of bio molecules and cell structure that underpin the biological organisation from individual organisms all the way to the interacting ecosystems and biosphere. Learning journey will also encompass area of genetics as students will acquire knowledge of the latest DNA technology developments which are based on the premise that “DNA is the software, proteins hardware and cells the factories” (Arvin Gupta) that create what we need to sustain the life and support medical discoveries.

Confident Learners	Confident Communicators	Confident Future Citizens
<p>To create confident learners, the Biology curriculum is:</p> <ul style="list-style-type: none"> Engaging, challenging and inclusive and above all always supported by inspirational subject specialists including one Member of The Royal Society of Biology (RSB). 	<p>To create confident communicators, the Biology curriculum:</p> <ul style="list-style-type: none"> Offers regular opportunities in safe inclusive environment where students engage in small group and class discussions that develop their communication skills. 	<p>To create confident future citizens, the Biology curriculum:</p> <ul style="list-style-type: none"> Ensures engagement with Global biology research through the Royal Society of Biology, informing the actions that need to be taken at local level to ensure our nature and environment is protected for future generations.
<p>The Biology curriculum provides opportunities for all to:</p> <ul style="list-style-type: none"> Acquire <u>independence</u> and <u>leadership</u> skills and take <u>responsibility</u> for own learning that will enable students to aim high for their next step in education. 	<p>The Biology curriculum provides opportunities for all to:</p> <ul style="list-style-type: none"> Demonstrate oracy and listening skills in class through <u>teamwork</u>. Demonstrate literacy skills both in class and using appropriate learning platforms in preparation for successful life after school. 	<p>The Biology curriculum provides opportunities for all to:</p> <ul style="list-style-type: none"> Learn about our role in the world by developing <u>creativity</u> to become responsible guardians of the environment.

The Key Concepts running through Biology

As a **study of life** biology is based on:

Biological organisation starting at the molecular level and moving onto organisms and environment.

Living world Interactions.

Use of genetic knowledge in areas ranging from conservation to medicine.