



Life Science **Branch**

Through a series of entertaining and educational workshops, based on practical hands-on experiences, this course is designed to give an appreciation of how Life Science contributes more and more to everyday applications, through the medium of Photography/Imaging and for pupils to gain an insight into a range of related careers. Each session incorporates facts and stories about the future of Life Science.

Breakdown of Sessions for the Life Science Workshops:

- **Biotechnology**

Learning opportunities include:

- Biomimetics
- Bioinformatics
- Genetics
- Biomedical Engineering

- **Bioscience**

Learning opportunities include:

- Biophysics
- Biochemistry
- Botany
- Ecology

- Neuroscience

Learning opportunities include:

- Developmental neuroscience - describes how the brain grows and changes.
- Cognitive neuroscience - involves studying how the brain creates and controls thought, language, problem solving, and memory.
- Molecular and cellular neuroscience - explores the genes, proteins, and other molecules involved in the functioning of neurons.
- Behavioral neuroscience - examines the brain areas and processes underlying the behavior of animals and humans.