

Course Rationale

The heart and the circulatory system is briefly addressed as part of the KS2 science curriculum and is of great importance in the understanding of health and disease. This course uses the theme of 'The Healthy Heart' to take the students through an experimental research project from background research and formulation of a hypothesis to data analysis and evaluation. The final assessment is to produce an empirical report of the effects of exercise on heart rate and circulation.

From this course, students will gain valuable experience of the scientific process and independent research. They will also learn important skills in literature research, experimental design, data collection, analysis and critical evaluation of evidence. These skills are directly transferable across scientific disciplines and will provide valuable experience for GCSE level science coursework.

