

Junior Cycle Science - Year 2

Learning Outcome	Link to Nature of Science
Normal Classes Start Thursday August 31st	
BW #4 - Students should be able to describe the structure, function, and interactions of the organs of the human digestive, circulatory and respiratory systems	
BW #2 - Students should be able to describe asexual and sexual reproduction; explore patterns in the inheritance and variation of genetically controlled characteristics	
Scifest Teacher takes any 2 weeks of their choosing to work on scifest projects	
Midterm Break Mon 30th to Friday 3th	
CW # 8. Students should be able to investigate the reactions between acids and bases; use indicators and pH scale	
CW#6. Students should be able to investigate the properties of different materials including solubilities, conductivity, melting points and boiling points	
PW#2. Students should be able to identify and measure, potential difference, current, resistance, electrical power	
PW#5 Students should be able to design and build simple electronic circuits	
Christmas Beak Friday 22nd to Friday 5th	
E&S#4. Students should be able to develop and use a model of the Earth-sun-moon system to describe predictable phenomena observable on Earth, including seasons, lunar phases, and eclipses of the sun and moon	
E&S#5. Students should be able to describe the cycling of matter, including that of carbon and water, associating it with biological and atmospheric phenomena	
Midterm Break 12th Feb to 16th Feb	
BW#2. Students should be able to describe asexual and sexual reproduction; explore patterns in the inheritance and variation of genetically controlled characteristics	
BW#3. Students should be able to outline evolution by natural selection and how it explains the diversity of living things	
Easter 26th March – 9th April	
Extended Experimental investigation	
BW#6. Students should be able to evaluate how human health is affected by: inherited factors and environmental factors including nutrition; lifestyle choices; examine the role of micro-organisms in human health	
Summer Exams 30th May 2017	