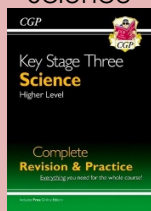


The English Martyrs Catholic School and Sixth Form College

<u>Biology Year 7</u>	<u>Module 1</u>	<u>Module 2</u>	<u>Module 3</u>
<u>Topic Theme and Intent</u>	Students are introduced to the idea of working like a scientist and complete a full investigation. Students learn about cells – the smallest functional unit of both multicellular and unicellular organisms . This topic is studied so that students can understand and appreciate what all life around us is made of.	Students focus on multicellular organisms and how they are organised into tissues, organs, and organ systems . They study this so that they can understand how different parts work together to fulfil complex roles in order to sustain life.	Students learn about multicellular organisms reproduce by studying the reproductive systems and life cycles of both flowering plants and of humans . This study this so they can understand how organisms continue to exist.
<u>Knowledge</u>	<ul style="list-style-type: none"> Cells and specialised cells of Multicellular organisms The microscope Unicellular organisms Cells obtaining resources by the process of diffusion. 	<ul style="list-style-type: none"> Levels of organisation The cells, tissues, and organs of the Respiratory System, the Skeletal System, and the Muscular System. 	<ul style="list-style-type: none"> The Human Reproductive System Puberty and adolescence Fertilisation, implantation, and the development of a foetus and birth. Pollination, fertilisation and seed dispersal.
<u>Skills</u>	Identify the parts of a microscope and operate it correctly to view cells.	Investigate the relationship between height and lung volume.	Investigate the relationship between seed size and dispersal distance.
<u>Literacy Links</u>	<p>Reading – Students will read about the development of the microscope.</p> <p>Writing – Students start to communicate scientific ideas and concepts through writing.</p> <p>Oracy – Students start to use scientific vocabulary in discussion and question and answering</p>	<p>Reading – Students will read smoking and lung cancer.</p> <p>Writing – Students practise communicating scientific ideas and concepts through writing.</p> <p>Oracy – Students practise the use scientific vocabulary in discussion and question and answering.</p>	<p>Reading – Students will read about the puberty and adolescence.</p> <p>Writing - Students will communicate scientific ideas and concepts through writing.</p> <p>Oracy – Students use scientific vocabulary in discussion and question and answering.</p>
<u>Essential Vocabulary</u>	Cell, Multicellular, Unicellular, Nucleus, Cell Membrane, Cytoplasm, Mitochondria, Ribosome, Diffusion	Respiratory System, Contract, Inhale, Exhale, Ligaments, Tendon, Antagonistic	Adolescent, Puberty, Menstrual Cycle, Ovulation, Sexual Intercourse, Fertilisation, Gamete, Implantation, Pollination, Dispersal.

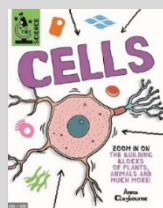
Disciplinary Reading

CGP Books – KS3
Science



Reading for Pleasure

A. Claybourne – Cells



R. Lipponcott – Five Feet Apart



W. Darvill – The Puberty Book

