	Year 7 Biology					
	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
BIG Q Content *(max 5)* Please log into Seneca to support your child to understand this learning.	***What is in the food we eat?*** Explore different foods and identify the nutrients they contain. Look at nutritional information to find out what our food contains. Use indicators to test the different nutrients found in food. Identify the nutrients contained in an unknown food sample, using all the indicators. Make observations and draw conclusions about what our food contains.	***How do organisms move?*** Explore the human skeleton and what it is made of. Describe how joints allow movement. Identify different types of joints. Describe how muscles are attached to bone and how they allow movement. Explore different problems with the skeletal system.	***What are organisms made of?*** Describe how multicellular organisms are organised and how some recreational drugs and substance misuse affect body systems. Draw and label plant and animal cells. Describe how cells are adapted for their function. Use microscopes to view cells and make scientific drawings. Compare the structural adaptations of some unicellular organisms.	***How do living things differ?*** Describe what is meant by the term variation in a species. Identify examples of variation in a species. Investigate variation in the class. Describe the different causes of variation. Explain how variation can be a survival advantage and how this can lead to Natural Selection	***How do animals reproduce?*** Describe the structure and function of different parts of the female reproductive system. Describe the process of menstruation. Describe causes of low fertility. Describe the structure and function of different parts of the male reproductive system. Describe fertilisation in humans.	***How does a foetus develop?*** Describe the role of the mother in supporting and protecting the developing foetus. Describe the stages in the development of a foetus. Describe the effects of different factors on a developing foetus. Evaluate the strength of data presented. Analyse advice given to pregnant women.
Vocabulary *(max 10)* Please log into MAPPER to support your child to learn these words.	Conclusion Evidence Irritant Nutrients Observation Prediction Iodine Starch Temperature Volume	Antagonistic muscle pair Arthritis Biceps Cartilage Fracture Joint Ligament Skeleton Tendon Triceps	Cell Tissue Organ Nucleus Mitochondria Cytoplasm Chloroplast Structural adaptations Microscope Unicellular	Species Variation Continuous variation Discontinuous variation Correlation Inherited Genetic Extinct Survival advantage	Reproductive system Uterus Ovary Menstruation Infertility Ovulation Testicle Gamete Fertilisation	Gestation Embryo Foetus Placenta Amniotic fluid Umbilical cord Premature Sample size Opinion Evidence
Catholic Link	Option for the poor – healthy diet	Dignity & creation – the working together of the body's systems	Creation – cellular structure	Dignity & creation – variation across species	Creation – reproductive systems	Dignity & creation – conception and growth of new life
Careers Link	Biochemist	Rheumatologist	Biologist	Epidemiologist	Veterinarian	Midwife

Ways to enrich the Y7 Biology curriculum at home:

- Create a 1-week diet plan, listing all the foods and drinks you consumed- can you estimate the total calories you ate per day? Can you do this with all the people in your household and compare the differences?
- Compare different features of people in your household - state whether it is inherited or environmental.
- As a family, do various exercises/ walks then list the muscles and bones that you have worked.