

Biology

	Year 10 Separates	Year 10 Combined	Year 11 Separates	Year 11 Combined
A u t u m n	<p>Organising animals and plants The blood The heart Breathing and gas exchange Plant tissues Transpiration</p> <p>Disease Pathogens Bacteria Bacterial growth Viruses Fungi Protists Human defence systems Plant diseases Vaccinations Antibiotics Discovering and developing drugs Monoclonal antibodies</p>	<p>Organising animals and plants The blood The heart Breathing and gas exchange Plant tissues Transpiration</p> <p>Disease Pathogens Bacteria Viruses Fungi Protists Human defence systems Vaccinations Antibiotics Discovering and developing drugs</p>	<p>Genetics Sexual and asexual reproduction Meiosis The genome DNA structure Protein synthesis Gene expression and mutation Inheritance Inherited disorders Screening for genetic disorders</p> <p>Evolution Variation Natural selection Selective breeding Genetic engineering Ethics of genetic technology Theories of evolution Speciation Fossils Extinction Classification</p>	<p>Evolution Variation Natural selection Selective breeding Genetic engineering Ethics of genetic technology Fossils Extinction Classification</p>
S p r i n g	<p>Lifestyle disease Cancer Smoking Diet and exercise Alcohol</p> <p>Bioenergetics Photosynthesis Aerobic respiration Anaerobic respiration</p> <p>Homeostasis and response</p>	<p>Lifestyle disease Cancer Smoking Diet and exercise Alcohol</p> <p>Bioenergetics Photosynthesis Aerobic respiration Anaerobic respiration</p> <p>Homeostasis and response</p>	<p>Ecology and biodiversity Distribution and abundance Competition Adaptation Feeding relationships Materials cycling Carbon cycle Decomposition Pollution Deforestation Global warming Maintaining biodiversity</p>	<p>Ecology and biodiversity Distribution and abundance Competition Adaptation Materials cycling Carbon cycle Pollution Deforestation Global warming</p>

	<p>Nervous system Reflex arc Synapses The brain The eye</p>	<p>Nervous system Reflex arc Synapses</p>	<p>Trophic levels Biomass transfers Food security</p>	
<p>S u m m e r</p>	<p>Homeostasis and response Hormones Control of glucose levels Diabetes Human reproduction Artificial control of fertility Infertility treatments Plant hormones Controlling body temperature Removing waste products Kidney</p>	<p>Homeostasis and response Hormones Control of glucose levels Diabetes Human reproduction Artificial control of fertility Infertility treatments</p> <p>Genetics Sexual and asexual reproduction Meiosis The genome Inheritance Inherited disorders Screening for genetic disorders</p>	<p>n/a</p>	<p>n/a</p>