

# A Level Biology KS5: Year 12



**3.5 Energy transfers between Organisms I**  
 3.5.3 Energy in ecosystems  
 3.5.4 Nutrient cycles

**3.7 Genetics, populations, evolution and ecosystems I**  
 3.7.4 Populations in ecosystems

**SUMMER 3:2**

**3.3 Exchange and transport III**  
 3.3.4.1 Mass Transport in animals  
 3.3.4.2 Mass transport in plants

**3.4 Genetic variation III**  
 3.4.5 Taxonomy  
 3.4.6 Biodiversity in a community  
 3.4.7 Investigating biodiversity

**SUMMER 3:1**

**3.4 Genetic variation II**  
 3.4.3 Diversity and meiosis.  
 3.4.4 Diversity and adaptations

**3.3 Exchange and transport II**  
 3.3.3.3 Digestion and absorption

**SPRING 2:2**

**3.3 Exchange and transport I**  
 3.3.3.1 Surface area to volume ratio  
 3.3.3.2 Gas exchange

**3.4 Genetic variation I**  
 3.4.1 DNA, genes and chromosomes  
 3.4.2 DNA and protein synthesis

**SPRING 2:1**

**3.1 Biological Molecules II**  
 3.1.4 Proteins  
 3.1.5 Nucleic acids  
 3.1.6 ATP  
 3.1.7 Water  
 3.1.8 Inorganic ions.

**3.2 Cells II**  
 3.2.4 Cell division  
 3.2.5 Transport  
 3.2.6 Immune system

**AUTUMN 1:2**

**3.1 Biological Molecules I**  
 3.1.1 Monomers & polymers  
 3.1.2 Carbohydrates  
 3.1.3 Lipids,

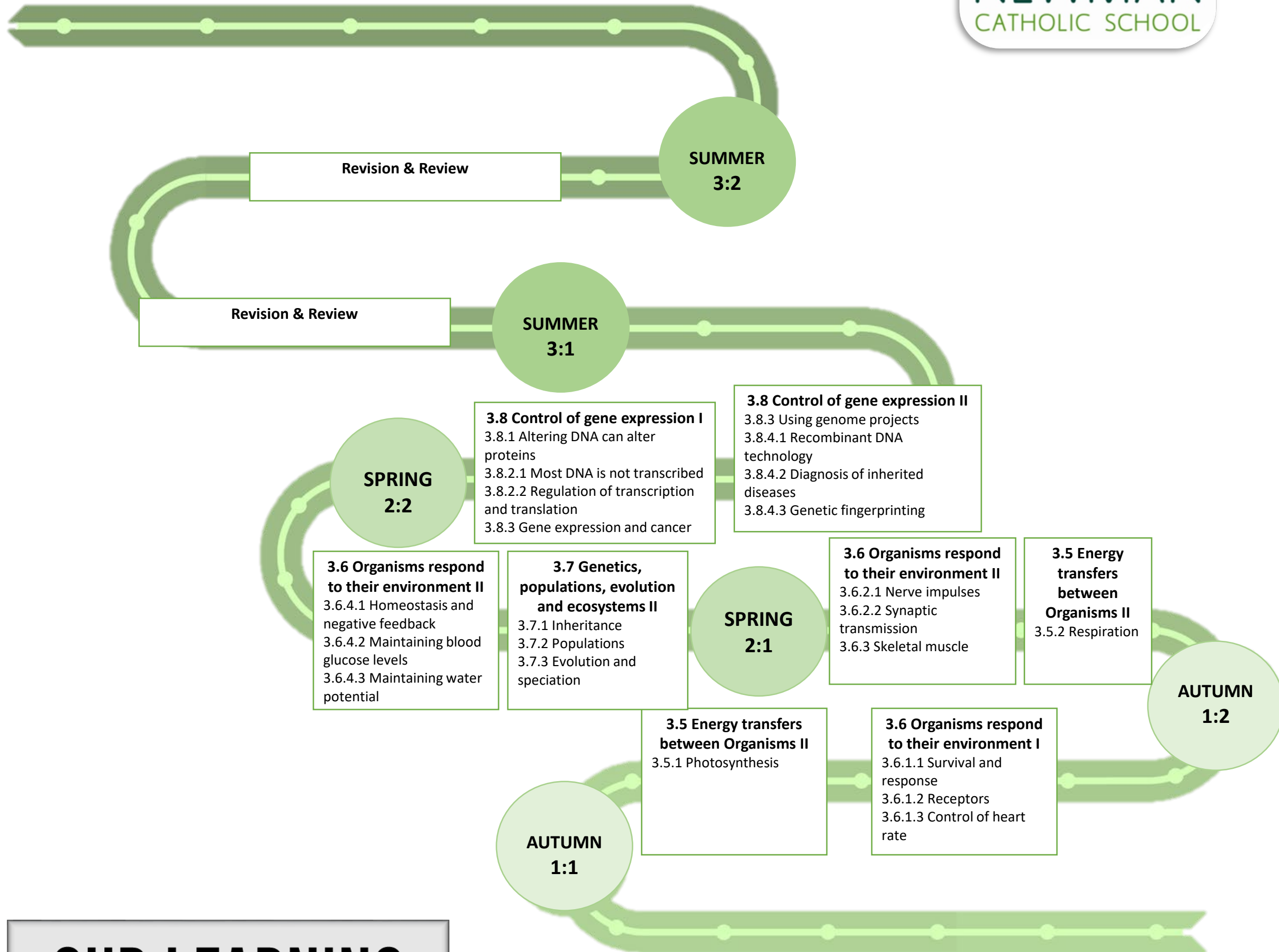
**3.2 Cells I**  
 3.2.1 Eukaryotes,  
 3.2.2 prokaryotes & viruses  
 3.2.3 Studying cells

**AUTUMN 1:1**

**GCSE Biology or GCSE Combined Science**  
 +  
 Completion of the summer transition tasks

**OUR LEARNING JOURNEY**

# A Level Biology KS5: Year 13



**OUR LEARNING  
JOURNEY**