



University

Gene expression

Inheritance

Ecology

Nervous coordination
Homeostasis

Nutrient cycles

Photosynthesis

Topic 8- The control of gene expression

Topic 7- Genetics, populations, evolution and ecosystems

Topic 6- Organisms respond to changes in their internal and

Topic 5- Energy transfers in and between organisms

Yr13

Industry – apprenticeships

Recombinant DNA technology

Mutations

Speciation

Populations

Skeletal muscles

Receptors

Respiration

Carbohydrates

Cell organelles

Gas exchange

DNA, genes and chromosomes

Topic 1- Biological molecules

Topic 2- Cells

Topic 3- Organisms exchange substances with their environment

Topic 4- Genetic information, variation and relationships between organisms

Meiosis

Yr12

Proteins

Lipids

Mitosis

Digestion and absorption

Heart

Genetic diversity

Natural Selection

Genetic Diseases

Reproduction

Inheritance

DNA & Genes

REVISION

B7 Variation and Evolution

B6 Genetics

Yr11

Factors affecting Photosynthesis

Central Nervous System

Negative Feedback

Auxins

meiosis

Genotype

Phenotype

Trophic Levels

Survival

B2 Photosynthesis

B5 Coordination and Control

B8 Ecology

Yr10

Leaf structure

Transpiration

Hormones

Reproduction

Homeostasis

Interdependence

Biodiversity

Vaccines

Disease

Active Transport

Digestive System

Diffusion

Microorganism Growth

Microscopy

Cancer

B4 Health Matters

B3 Moving and Changing Material

B1 Cell Biology

Yr9

Antibiotics

Immunity

Pathogens

Human defence Systems

Circulatory System

Enzymes

Osmosis

Respiration

Stem cells

Cell Division

Organelles