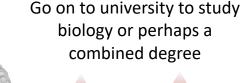


TOWNLEY LEARNING GRAMMAR SCHOOL JOURNEY



Biology



Populations and sustainability

Patterns of inheritance and variation

Homeostasis

Choose an alternate path but continue to love biology

Cloning and biotechnology

Plant **Energy for** biological responses processes

Neuronal communication

YEAR

Ecosystems

acids

genomes

Manipulating Genetics of living Respiration communication systems Disease

Hormonal

Cell structure **Nucleotides** and nucleic membranes

Biological Cell division and **Transport** cellular in plants organisation

and the immune system

Classification and evolution

Biological molecules

Enzymes

Exchange and

transport

Transport in animals

Biodiversity

Antibiotic resistance

Genetic variation and evolution

Genome and **DNA** structure Genetic inheritance

Hormones and nervous system recap



Cloning

Genetic engineering

Selective breeding

Respiration

Genetic disorders

Asexual and sexual

reproduction

Thermoregulation

and glucose Brain

regulation

Ecosystems Adrenaline Hormones in and Adaptations reproduction thyroxine

Plant tissues and organs

YEAR

Photosynthesis Nervous system

and eye

Osmoregulation and kidneys

Plant hormones

Classification

and decomposition

Carbon cycle

Monoclonal

Plant Human diseases defence systems

Cancer

Heart and blood vessels

Enzymes

Diffusion, osmosis and active transport

specialisation and

Cell

differentiation

Animals and plant cells

antibodies Vaccination

and drug development Communicable

Plant transport

Coronary heart

Digestive system

Cell division and stem cells

Microscopy

Eukaryotes and prokaryotes **YEAR** 9

diseases

Effects of

disease

and food tests Food and

Specialised plant cells

and testing for starch

Making glucose

Photosynthesis

YEAR 8

Cell division

Fertilisation

Respiration

exercise

Heart and lungs

digestion

Enzymes in digestion

Food chains and webs

Competition and farming

Photosynthesis

Structure of a leaf

Cells Using a microscope and tissues

Foundation stage: Introduction to science skills

YEAR

→ Plant reproduction

Classification

Variations Aseptic and its techniques causes and

superbugs

Types of

microbes Specialised cells رينين

Characteristics of life

Spark an interest in exploring how science works



PRIMARY

SCHOOL

