



- Types of reproduction
- More about genetics
- Inherited disorders
- Cell division and sexual reproduction
- Inheritance in action
- Screening for genetic disorders

**TRIPLE: The best of both worlds, DNA and genome, protein synthesis, Gene expression & mutation**

**TRIPLE: Controlling body temp, Removing waste products, Kidney functions, dialysis, kidney transplants**

**B12: Homeostasis in Action (TRIPLE)**

**B13: Reproduction**

**B14: Variation & Evolution**

**B15: Genetics and Evolution**

MOCK PAPER 2

Exams

- Variation
  - Evolution by natural selection
  - Selective breeding
- TRIPLE: Genetic engineering, Cloning**

- Evidence of evolution
  - Fossils and extinction
  - More about extinction
  - Antibiotic resistant bacteria
  - Classification
  - New systems of classification
- TRIPLE: The history of genetics, Theories of evolution**

**B11: Hormonal coordination**

**B10: The Human Nervous System**

**B18: Biodiversity & Ecosystems**

**YEAR 11**

EOY Exam

- Homeostasis
- Hormonal control
- Diabetes
- Negative feedback
- Human reproduction
- Menstrual cycle
- Fertility

**TRIPLE: Plant Hormones and responses, using plant hormones**

**TRIPLE: Brain, the eye**

**TRIPLE: Decomposition, trophic levels, food security, food production**

Revision

Test

**B17: Organising an Ecosystem**

- Feeding relationships
  - Materials cycling
  - The carbon cycle
- TRIPLE: Rates of decomposition**

- Non-communicable diseases
- Cancer
- Smoking & risk of disease
- Diet, exercise & diseases
- Alcohol & other carcinogens

**B7: Non-Communicable Disease**

**B5: Communicable Disease**

**B6: Preventing & Treating Diseases**

**B16: Adaptions, Interdependence, Competition**

- Health & diseases
  - Pathogens & diseases
  - Preventing infections
  - Viral diseases
  - Bacterial diseases
  - Fungi & Protists
  - Human defense
- TRIPLE: Growing bacteria, plant diseases, monoclonal antibodies**

- Vaccinations
  - Antibiotics & painkillers
  - Discovering & developing drugs
- TRIPLE: Making monoclonal antibodies, Uses of monoclonal antibodies**

- Communities
- Organisms in their environments
- Competition in animals & Plants
- Adaption in animals & Plants

- Aerobic respiration
- Effect of exercise
- Metabolism and the liver

**B9: Respiration**

**B8: Photosynthesis**

**YEAR 10**

EOY Exam

Revision

Test

**B4: Organising Plants & animals**

Test

**B3: Organisation & Digestive System**

Test

- Tissues and organs
- Digestive system
- Food tests
- Factors that affect enzymes
- Circulatory system
- Plant transport

- Aerobic respiration
- Anaerobic respiration
- Fermentation
- Photosynthesis
- Leaves
- Movement of water in plants
- Minerals in plants

**8B2: Respiration & Photosynthesis**

**8B3: Evolution & Inheritance**

**YEAR 9**

Revision

EOY Exam

**B1: Cell Structure & Transport**

Test

**B2: Cell Division**

Test

- Cell division
- Growth & differentiation
- Stem cells
- Stem cell dilemmas

- Breathing; gas exchange
- The effects of disease and lifestyle
- Healthy diet
- Human digestive system

**8B1: Organ System**

- DNA
- Role of chromosomes
- Inheritance; genetic crosses
- Variation & survival
- Natural selection
- Fossils
- Extinction
- Biodiversity

- Pollination
- Predator prey relationships
- Toxins in the environment
- Identifying & classifying organisms
- Food webs
- Reproduction in plants

- Microscopes
- Plant & animal cells
- Types of cell
- Transport in and out of cells
- Exchange surfaces
- Cell division

EOY Exam

Revision

Test

**7B3: Variation and Reproduction**

Test

**7B2: Ecosystems & Plants**

Test

**7B1: Cells**

**YEAR 8**

**YEAR 7**

- Variation
- Male & female reproductive system

- Menstrual cycle and puberty
- Foetal development
- Smoking

- Cells, tissues & organs
- Animal cells
- Plant cells
- Specialised cells

- Microscopy
- Unicellular organisms
- Human skeleton
- Role of joints & muscles

welcome