

Edexcel SNAB A- Level Biology Revision Courses

EACH COURSE IS COVERED IN 1 DAY

Course 1 - Lifestyle , Health and Risk **Genes and Health**

Role of diet & other lifestyle factors in maintenance of good health
Heart and circulation
Cardiovascular disease
Structure & function of carbohydrates and lipids
Properties of & transport of materials across cell membranes and gas exchange surfaces
DNA structure and replication
Protein synthesis
Enzymes
Monohybrid inheritance

Course 2 - Voice of the Genome **Biodiversity and Natural Resources**

Diversity, adaptation, natural selection
Concerns of disappearing biodiversity
Plant anatomy
Traditional and novel uses of plant & plant fibres
Chemical extracts from animals and plants
Sustainability-conservation of endangered species

Course 3 - On the Wild Side

Ecosystems
Photosynthesis
Climate change

Course 4- Immunity, Infection and Forensics

Forensic pathology
Bacteria, viruses
Infection
Immune responses

Course 5 - Run for your Life

Muscle physiology
Respiration: aerobic & anaerobic
Cardiac muscle
Homeostasis and it's importance during exercise
Benefits of medical technology is sport
Discuss the ethical position of the use of performance-enhancing substances by athletes

Course 6 - Grey Matter-workings of the nervous system

Nervous system structure and function
Responses to phytochrome and IAA in plants
Brain structure and function
Brain imaging & development
Imbalance of brain chemicals leading to ill health
Ethical issues raise by the Human Genome Project
Risks & benefits using genetically modified organisms