



SCAN HERE FOR
LINKS TO MORE
DETAILED
CURRICULUM
INFORMATION.

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Cell & Organisation

Students will study:
cellular structure and function,
using a microscope and describing
levels of organisation from organelle
to whole animal.

Reproduction

Students will study:
puberty, reproduction systems of
humans and plants and
pollination.

Evolution & Ecology. Microbes & Disease

Students will study:
adaptations, Darwin and natural
selection, extinction, pathogens, the
body's natural defences and
vaccinations.

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Bioenergetics Respiration

Students will study:
Mrs Gren, animal and plant
cells, respiration, circulatory
system, respiratory system
and transportation of
substances.

Bioenergetics Photosynthesis

Students will study:
photosynthesis, food chains and
webs, energy movement and
structure of plant cells.

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Cell Biology

Students will study:
eukaryotic and prokaryotic cells,
microscope practical, cell division,
respiration and aseptic techniques.

Organisation

Students will study:
diffusion, osmosis, active
transport, human circulatory
system, respiratory system and
gaseous exchange.

Bioenergetics

Students will study:
enzymes, human digestive system,
food tests and photosynthesis.

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Health Matters

Students will study:
communicable and non-communicable
diseases, pathogens, immunity and drug
discovery. **Additional Triple Science
content is:** monoclonal antibodies, plant
diseases and plant defences.

Co-ordination & Control

Students will study:
homeostasis and the nervous system, reaction time
required practical, endocrine system. diabetes, human
reproductive system. **Additional Triple Science content
is:** the eye and brain, controlling body temperature,
kidneys. auxins, plant germination and required practical
plant hormones.

Genetics & Ecology

Students will study:
asexual and sexual reproduction, meiosis.
DNA, genetics, ecosystems, abiotic and
biotic factors, predatory-prey, sampling
required practical, water sand carbon cycle
and pollution and biodiversity. **Additional
Triple Science content is:** Gregor Mendel

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Variation & Evolution

Students will study:
variation, natural selection,
fossils, antimicrobial resistance,
selective breeding, genetical
modified organisms, classification
and extinction.

Revision

Students will study:
recap Paper 1 and 2 topics.
Exam question practice

Revision

Students will complete final
preparation for the Summer
Exams.