

# WHSB **BIOLOGY** MIDDLE SCHOOL CURRICULUM MAP

LOWER SCHOOL PRIOR LEARNING INFORMS

YEAR 10

1

**CONTENT**  
Mitosis and the cell cycle  
Human digestive system  
The heart and lungs  
Health issues and cancer

**SKILLS**  
Food tests  
Enzyme rates of reaction



4 End of topic tests  
2 Required practicals

2

**CONTENT**  
Bioenergetics  
Human nervous system  
Human endocrine system

**SKILLS**  
Rates of photosynthesis  
Reaction times



3 End of topic tests  
2 Required practicals

3

**CONTENT**  
Hormonal coordination in plants  
Inheritance

**SKILLS**  
Determining plant responses to light



2 End of topic tests  
1 Required practical  
End of Year exam

YEAR 11

1

**CONTENT**  
Evolution  
Selective breeding, genetic engineering and cloning  
Ecology

**SKILLS**  
Field investigations  
Rates of decay



3 End of topic tests  
Formative examination,  
Trial examination  
2 Required practicals

2

**CONTENT**  
Biodiversity and the effects of human activity  
Biomass and biotechnology

**SKILLS**  
Knowledge recall and application



2 End of topic tests

3

**CONTENT**  
Revision

**SKILLS**  
Knowledge recall and application



Past Paper Practice  
GCSE Examination

GCSE EXAMINATION BOARD:

**AQA**

LINKS TO A LEVEL STUDY:

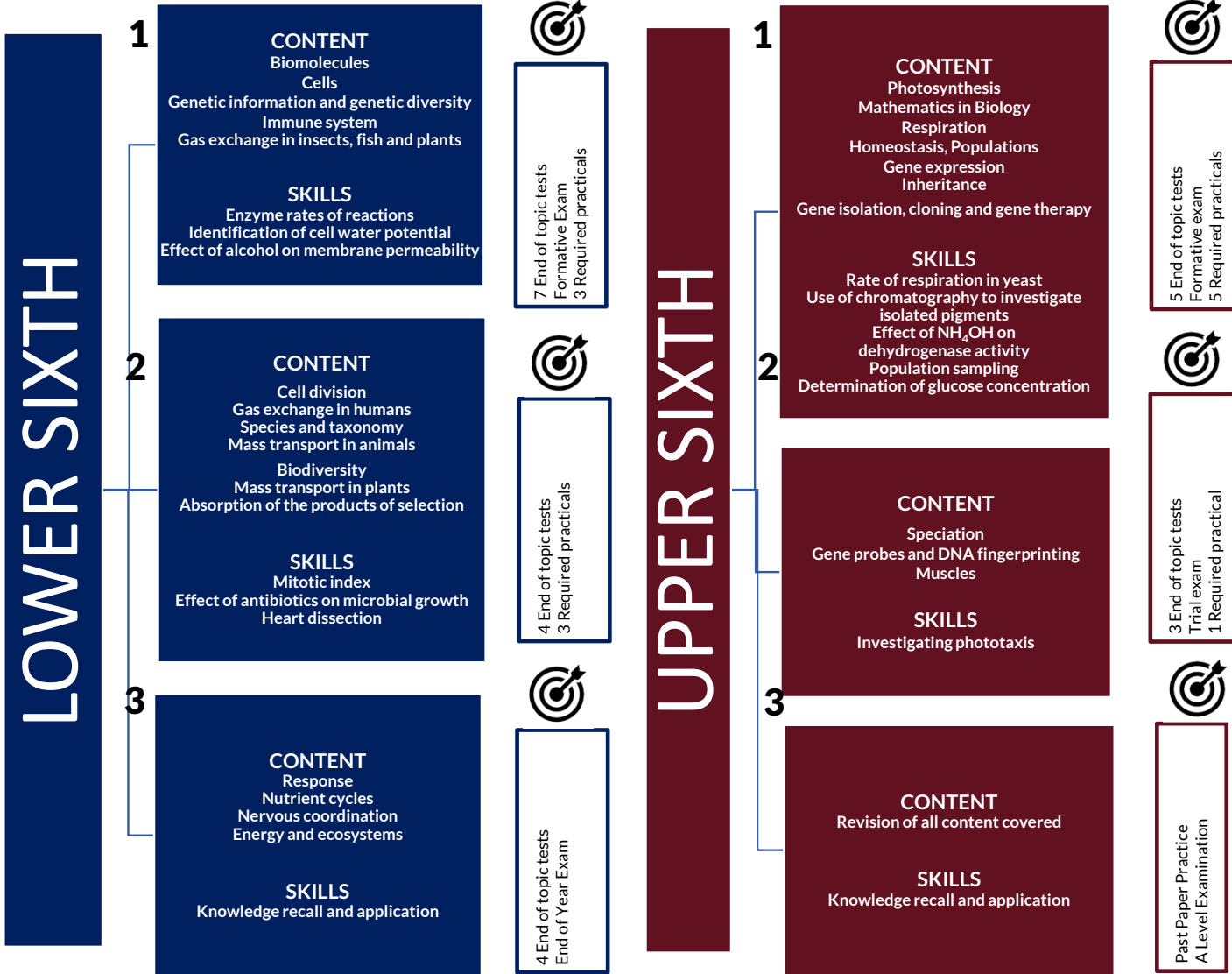
Cell division  
Biomolecule – Enzymes and absorption of the products of digestion  
Gas exchange in humans  
Mass transport in animals  
Gene expression and cancer  
Photosynthesis and respiration  
Nervous coordination  
Homeostasis  
Inheritance  
Evolution & speciation  
Gene isolation, cloning and gene therapy  
Populations  
Biodiversity  
Gene isolation, cloning and gene therapy

ENRICHMENT OPPORTUNITIES:

Biology Challenge  
Attendance at lectures from guest speakers

# WHSB **BIOLOGY** SIXTH FORM CURRICULUM MAP

MIDDLE SCHOOL PRIOR LEARNING INFORMS



**A LEVEL EXAMINATION BOARD:**  
**AQA**

**PREPARATION FOR UNIVERSITY AND DESTINATIONS:**

Biochemist  
Molecular biologist  
Microbiologist  
Neuroscientist  
Marine biologist  
Medicine  
Dentistry  
Vet

**ENRICHMENT OPPORTUNITIES:**

Biology Olympiad  
Attendance at Reading University for Molecular Biology Experience  
Biology Live Lectures  
Attendance at lectures given by UCL and the University of Cambridge