

WTBA Learning Journey: Biology

Intent: At Waltham Toll Bar we aim to enthuse and produce the next generation of scientists that will be able to combat the problems faced by the world. The Science curriculum establishes an understanding of the key disciplinary and substantive knowledge required to understand the scientific world around us. Students will cover topics that develop their inquiring minds and these topics will be interleaved with the key skills required to become a successful scientist. Students will continue to explore scientific concepts and analyse data that they have obtained as they approach a new range of inquiry questions as the years progress.

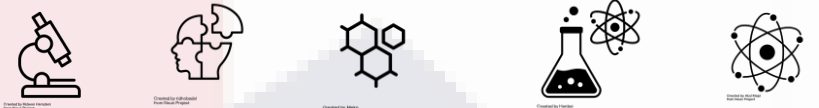
Key Themes

1. Cells and Systems
2. Biological Processes
3. Controlling the Body
4. Ecology
5. Evolution
6. HSW – How Science Works

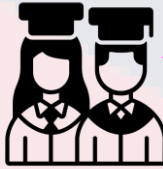


Post-16 Links

Biology, Psychology, Chemistry, Applied Science, Physics



GCSE Exam



Remember: To focus, respond to all questions and try your best.

Exam Revision

B6
B5
B4
B3
B2
B1

B6 – Life on Earth – Past, Present and Future

Q: How have we got to where we are today and how will we adapt for the future?

Mock Exam



Mock Exam



YEAR
11
GCSE

B2 – Keeping Healthy

Q: What causes disease?



B3 – Living Together – Food and Ecosystems

Q: How are organisms in an ecosystem dependent on each other?



Q: How do we control what goes on inside of our bodies?

B5 – The Human Body

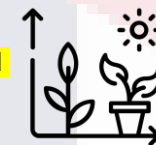


B1 – You and your Genes

Q: What are genes and what do they control?

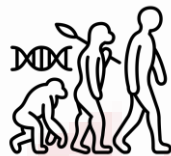
Q: How do processes in cells link together?

B4 – Using Food and Controlling Growth



YEAR
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GCSE

Q: What evidence is there to support the theory of evolution?



Evolution

Q: How do organisms procreate?



Reproduction

Q: How can lifestyle affect health?



Nutrition and Lifestyle

YEAR
8

Q: How do living things interact within their environment?

Ecology



Cells



Q: What is the basis of all living organisms?

HSW: How do Scientists work safely?

Laboratory Introduction



YEAR
7



Key Skills

- Critical Thinking
- Analysis
- Inquiry
- Research
- Collaboration
- Practical



Created by Anthony Bossard from Noun Project

“ If I have seen further than others, it is by standing upon the shoulders of giants” Isaac Newton

