

# Biology Syllabus Summary

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**Scan this list of topics.** Welcome to Honeycutt Science – Biology. The curriculum you will encounter this school year includes a spectrum of life science subject areas. Material for each topic is found at [HoneycuttScience.com](http://HoneycuttScience.com). While scanning the list, recall information you might already know about each topic – then anticipate what new information you might encounter. This exciting journey starts now ...

- Biology 10 Student Expectations
- Biology 11 What is Biology?
- Biology 12 Scientific Method and Safety
- Biology 13 Connections Across Content
- Biology 14 Cell Organization
- Biology 15 Plant Cells
- Biology 16 Prokaryotic and Eukaryotic Cells
- Biology 17 Mitosis and Cytokinesis
- Biology 18 DNA and Heredity
- Biology 19 Genes Genetics and Chromosomes
- Biology 21 Organization of Living Things
- Biology 22 Animal Classification
- Biology 23 Interdependence of Living Things
- Biology 24 Theory of Evolution
- Biology 25 Protist Evolution
- Biology 26 Adaptations and Natural Selection
- Biology 27 Populations and Genetics
- Biology 28 Use of a Light Microscope
- Biology 31 Darwin, Evolution and Fossils
- Biology 32 Animal Characteristics
- Biology 33 Animal Behaviors
- Biology 34 Science Observation and Measure
- Biology 35 Science Models
- Biology 36 Interpretation and Communication
- Biology 37 Dissection Preparation
- Biology 38 Dissection in Lab
- Biology 39 Dissection Analysis
- Biology 41 Fields in the Life Sciences
- Biology 42 Physiology
- Biology 43 Ecology
- Biology 44 Deep Dive – the Cell
- Biology 45 Deep Dive – Genetics
- Biology 46 Deep Dive – Biological Diversity
- Biology 47 Scientific Inquiry
- Biology 48 Organisms and Living Systems

Below, find a list of Techniques and Activities which may additionally be covered during this year's curriculum. These too are available for your investigation and review at the Honeycutt Science web site.

### **Use of Diagrams/Models to Convey Science Information**

- Activity 20 Venn Diagrams & Relationship
- Activity 21 Hierarchy and Pyramid
- Activity 22 Process and Cycle
- Activity 23 Matrix and List

### **Techniques for the General Classroom and Science**

- Technique 10 How to Read Complex Text
- Technique 11 How to Summarize Information
- Technique 12 The Scientific Method
- Technique 13 21st Century (4Cs)
- Technique 14 Critical Thinking
- Technique 15 Creative Concepts
- Technique 16 Collaboration
- Technique 17 Communication
- Technique 18 Lab Safety
- Technique 19 Lab Procedures
- Technique 20 Lab Measure and Convert
- Technique 21 Devise Experiments
- Technique 22 Data Gathering
- Technique 23 Graphing and Charting Data
- Technique 24 Interpret Results
- Technique 25 Use and Care of Equipment