



# EXPERIENCE BIOLOGY

## Weekly Reading and Lab Overview

| <b>Lesson</b>                             | <b>Reading Assignment</b>       | <b>Laboratory Assignment</b>              |
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| Lesson 1:<br>Introduction to Biology      | Chapter 3                       | Exploring the Microscope                  |
| Lesson 2:<br>The Chemistry of Life        | Chapter 1-2                     | Lab Reports and Drawings/Lab Report Guide |
| Lesson 3:<br>Cytology                     | Chapter 4-5                     | Comparing Cell Structures                 |
| Lesson 4:<br>Cellular Metabolism Part I   | Chapter 6-7                     | Photosynthesis, Part I                    |
| Lesson 5:<br>Cellular Metabolism Part II  | Chapter 8                       | Photosynthesis, Part II                   |
| Lesson 6:<br>Cellular Metabolism Part III | Chapter 9                       | None                                      |
| Lesson 7:<br>Life Cycle of the Cell       | Chapter 12-13                   | Viewing Mitosis in an Onion Root          |
| Lesson 8:<br>Genetics Part I              | Chapter 14                      | Basic Genetics Worksheet                  |
| Lesson 9:<br>Genetics Part II             | Chapter 10-11                   | Dragon Genetics: Inheritance Simulation   |
| Lesson 10:<br>1st Quarter Exam            | Review and Study for your exam! | None                                      |

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| Lesson 11:<br>Living Organisms         | Chapter 15<br>Appendix 2        | Creating a Classification System                          |
| Lesson 12:<br>Bacteria & Viruses       | Chapter 16                      | Microorganisms in Your Environment                        |
| Lesson 13:<br>Kingdom Protista         | Chapter 17-18                   | Protist Observation                                       |
| Lesson 14:<br>Kingdom Fungi            | Chapter 19                      | Observing Fungus  |
| Lesson 15:<br>Kingdom Plantae Part I   | Chapter 28<br>(pgs 367-378)     | None  |
| Lesson 16:<br>Kingdom Plantae Part II  | Chapter 28<br>(pgs 378-385)     | Stem, Leaf, & Root Tissue                                 |
| Lesson 17:<br>Kingdom Plantae Part III | None                            | Reproductive Structures of Flowers                        |
| Lesson 18:<br>2nd Quarter Exam         | Review and Study for your exam! | None  |
| Lesson 19:<br>Kingdom Animalia         | Chapter 20-21                   | None  |
| Lesson 20:<br>The Worms                | Chapter 23                      | Introduction to Animal Dissections & Earthworm Dissection |
| Lesson 21:<br>Creatures in the Sea     | Chapter 22<br>Chapter 26        | Sea Star Dissection or Sea Anemone Dissection             |
| Lesson 22:<br>Phylum Mollusca          | Chapter 24                      | Clam Dissection   |
| Lesson 23:<br>Phylum Arthropoda        | Chapter 25                      | Crayfish Dissection                                       |
| Lesson 24:<br>Phylum Chordata Part I   | Chapter 27<br>(pgs 327-337)     | Dogfish Shark Dissection                                  |
| Lesson 25:<br>Phylum Chordata Part II  | Chapter 27<br>(pgs 337-352)     | None  |

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| Lesson 26:<br>Phylum Chordata Part III | Chapter 27<br>(pgs 352-363)  | Fetal Pig Dissection              |
| Lesson 27:<br>3rd Quarter Exam         | Review and Study for your exam!  | None                              |
| Lesson 28:<br>Human Anatomy Part I     | Structural Organization of the Human Body<br>Muscle Tissue and Motion<br>The Functions of the Skeletal System<br>Bone Structure                      | Chicken Wing Dissection           |
| Lesson 29:<br>Human Anatomy Part II    | An Overview of Blood<br>Erythrocytes<br>Leukocytes & Platelets<br>Organs & Structures of the Respiratory System                                      | Circulation and Respiration       |
| Lesson 30:<br>Human Anatomy Part III   | Basic Structures & Function of the Nervous System<br>Nervous Tissue<br>The Function of Nervous Tissue<br>An Overview of the Endocrine System         | Comparing Reaction Time           |
| Lesson 31:<br>Human Anatomy Part IIII  | Layers of the Skin<br>Accessory Structures of the Skin<br>Anatomy of the Lymphatic & Immune System   | Examining Human Epithelial Tissue |
| Lesson 32:<br>Human Anatomy Part V     | Overview of the Digestive System<br>Digestive System Processes & Regulation<br>Gross Anatomy of Urine Transport<br>Gross Gross Anatomy of the Kidney | Lung Excretions                   |
| Lesson 33:<br>Human Anatomy Part VI    | None   | None                              |
| Lesson 34:<br>Introduction to Ecology  | Chapter 29   | Exploring Global Biomes           |

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| Lesson 35:<br>4th Quarter Exam | Review and Study for your exam! | None |
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