



# New Course FACT Sheet 2024-2025

## Course Title: *Biology*

### Teacher Contact Information:

- I can be reached by emailing [agreen@wearetherockofcf.org](mailto:agreen@wearetherockofcf.org) or texting **321-750-9511**.
- I frequently check both, so you can expect a reply within 24 hours if not sooner.

### Course Overview:

- **Biology** is a high school course covering cell life, genetics, creation science as an alternative to evolution, ecology, insects, plants, reptiles, mammals, and more.
- We will observe and record specimens inside and outside, become proficient using the scientific method and microscope, and explore creatures through dissection.

### Necessary Supplies: <https://www.therockacademyfl.com/copy-of-biology-i-hs-2>

- *Apologia Exploring Creation with Biology 2nd Edition Textbook*
- A set of **24 colored pencils**
- **1-inch 3-ring binder**
- 3-hole **pencil pouch**
- **Scissors**

### The Successful Student:

- Arrives on time with all of his/her necessary supplies.
- Completes daily assignments in the Student Notebook and **BRINGS THEM TO CLASS**.
- Contacts me **SOONER** than **LATER** regarding questions about homework or tests.
- Pays attention to the corrections made to their assignments during class.
- Uses the TOOLS I've provided (**colored comments**, **graphic organizers**, **AndyGreenTeacher QUIZLET study sets**, etc.) as he/she studies for tests.

### The Successful Parent:

- Checks FACTS every week—all year long!
- Communicates in a timely manner with questions or concerns.
- Seeks out support and help needed for a struggling student.

### Homework Policy:

- If homework is not complete when it comes time to check it in class, it will **receive an immediate zero**.
- If it is emailed, texted, or turned in anytime during the next week, **10% will be deducted** from the total grade a student has earned.
- Tests and assignments not received by the second week will **keep the zero** given the day the assignment was due.



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<b>Course: Biology Week-by-Week</b>			
<b>Semester I</b>			<b>Semester II</b>
1	<b>INTRODUCTION</b>	19	<b>Module 8--Genetics</b>
2	The Nature of Science and Identifying and Recognizing Bias	20	Gregor Mendel, Punnett Squares, Pedigrees, Genetic Crosses, Traits
3	The Metric System, Experimental Design, and Graphing Basics	21	<b>Module 9—Evolution (Part Scientific Theory/Part Unconfirmed Hypothesis</b>
4	<b>Module 1—Biology, The Study of Life</b>	22	Charles Darwin, Microevolution, Macroevolution, Structural Homology
5	The Scientific Method, Using a Biological Key, Introduction to the Microscope	23	<b>Module 10--Ecosystems</b>
6	<b>Module 2—Kingdom Monera</b>	24	Energy, Symbiosis, Water, Oxygen, and Carbon Cycles, Global Warming
7	Bacteria, Pond Life, Preventing Bacterial Infections	25	<b>Module 11—Animalian Invertebrates</b>
8	<b>Module 3—Kingdom Protista</b>	26	Symmetry, Sponges, Hydra, Earthworm Dissection
9	Classification, Subkingdoms Protozoa and Algae, Characteristics	27	<b>Module 12—Phylum Arthropoda</b>
10	<b>Module 4—Kingdom Fungi</b>	28	Crustacea, Crayfish Dissection, Arachnida, Insecta, Insect Classification
11	General Characteristics, Reproduction, Yeast and the Fermentation Process	29	<b>Module 13—Phylum Chordata</b>
12	<b>Module 5—The Chemistry of Life</b>	30	Subphyla Urochordata and Cephalochordata, Fish Dissection
13	Atoms, Elements, Molecules, Osmosis, Diffusion, Enzymes	31	<b>Modules 14 and 15—Kingdom Plantae</b>
14	<b>Module 6—The Cell</b>	32	Basic Anatomy, Structure of Leaves, Roots, and Stems, Classification
15	Cell Structure and Functions, Metabolism, Protein Synthesis	33	Physiology, Reproduction, Water Transport, Flower Anatomy, Flower Dissection
16	<b>Module 7—Cellular Reproduction</b>	34	<b>Module 16—Reptiles, Birds, and Mammals</b>
17	Genes, Chromosomes, DNA, Mitosis, Meiosis, Asexual/Sexual Reproduction	35	Classes Reptilia, Aves, and Mammalia, Dinosaurs, Bird Embryology
18	<b>Holiday Break</b>	36	<b>Summer Break</b>

*This schedule is an overview. TRA reserves the right to make changes during the school year.*