



Course Title: Botany

Class Day/Time: Wednesdays 1:00pm-3:00pm

Teacher: Mrs. Green

Contact Information:

Email: andygreenteacher@yahoo.com

Text: 321-750-9611

Texting is the best way to get in contact with me. I am usually able to respond right away. You may email me also, and I'll get back to you within 24 hours.

Materials Needed for this Course:

- **Botany**—*Apologia Exploring Creation with Botany* Textbook—**2ND EDITION**
- *Notebooking Journal* (referred to as **Notebooks**)
- **1-inch 3-ring binder**
- **1 set of 24 colored pencils**

Goals:

My goal for 5-6 Botany is to have each of my students learn key Botany concepts in the following areas: **plants**—types, parts, purpose, and metabolism, **seeds**—types, parts, purpose and identification, **trees**—types, parts, purpose, **photosynthesis**, and **gardening** while applying that knowledge through their classroom work, laboratory activities, and homework with the belief that God has revealed Himself through creation, and we can know Him better by studying what He has made.

Expectations:

You may expect the Teacher to:

- Be prepared, prompt, and fair.
- Respond to email, text, or phone messages within 24 hours.
- Have assignments graded in a timely manner with teacher feedback when necessary.
- Be animated, show my passion for the content area, and motivate my students accordingly.

I will expect the Parents to:

- Be aware of your student's current assignments featured in the Weekly Assignment Sheet.
- Oversee your student to ensure that they are completing their work, reviewing notes and materials regularly, and studying for tests.
- Have your student attend class as often as possible and communicate with me when he/she cannot do so.
- Provide your student with all the appropriate course materials.
- Proctor take-home re-tests, signing, and sealing them to be returned to class.
- Contact the teacher if there are any problems, ASAP.

I will expect the Students to:

- Obey and adhere to the Code of Conduct.
- Show up to class (unless you are sick) and be prepared to work hard because we will use every minute allotted to us.



Be on time for class and have **all your materials** (textbook, notebooking journal, 3-ring binder, and COLORED PENCILS) with you.

- Be prepared with homework done.
- Do all of your own work with honesty and integrity.
- Ask questions and/or for help when you need it; contact me!

Grading (per Quarter):

- Assignments in **Notebook**/Homework= 25%
- Tests= 50%
- Lab work= 25%

How to Get an 'A' in this Class:

- Attend class as often as possible.
- Read the textbook pages.
- Do your homework, class work, and LAB WORK completely.
- Study and review notes and study guides for tests and quizzes.
- Actively engage in lab work and record your observations appropriately.
- Arrange all items in your Lapbook as directed.
- Reach out if you are having problems understanding the concepts.

Check **FACTS** every week or two, so you know what you've earned on your assignments or what assignments you are missing.

Course: Botany Week-by-Week *			
Semester I		Semester II	
1	Lesson 1—Why Botany Matters	19	Lesson 8—Stems
2	Creative Creator, Nature Journaling, Grouping Plants	20	Plant Structure, Succulents, Auxins, and Phototropism
3	Lesson 2—Seeds	21	Xylem, Phloem, and Woody and Herbaceous Stems
4	Anatomy of a Seed, Dicots and Monocots, Germination Conditions	22	Lesson 9—Gardening
5	Lesson 3—Angiosperms	23	Edible Plants, Gardening Tools, Raised Beds
6	Flowering Plants, Flower Families, and Flesh-Eating Flowers	24	Soil, Growing Seasons, Seedlings and Watering
7	Lesson 4—Pollination	25	Lesson 10—Trees
8	Bees, Bird, Mammal, and Wind Pollinators, and Self-Pollination	26	Shelter and Products, Tree Growth, Trunks and Layers
9	Butterflies, Bees, and Birds	27	Lesson 11—Gymnosperms
10	Lesson 5—Fruit	28	Uncovered Seeds, Conifers, Cycads, and Forests
11	Fruits and Veggies, Dry Fruits, and Seed Scattering	29	Lesson 12—Seedless Vascular Plants
12	Lesson 6—Leaves	30	Ferns, Fern Lifecycles, and Pteridomania
13	Photosynthesis, Transpiration, and Simple and Compound Leaves	31	Lesson 13—Nonvascular Plants
14	Leaf Arrangement, Venation, Shapes, and Margins	32	Bryophytes, Mosses, and Lichens
15	Lesson 7—Roots	33	Lesson 14—Mycology
16	Good and Nutritious Soil, Geotropism, and Root Systems	34	Fungi, Decomposers, Yeast
17	Review	35	Review
18	Holiday Break	36	Summer Break