



Awaken

Awaken Academy
Partnering with Parents

COURSE SYLLABUS **Apologia Botany, 4th to 6th Grade**

Tuesdays from 10:00 to 10:55 pm, Room 2
Bressi Campus, Fall 2020

Taught by: Rachel Cannon 858-442-0111
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“The earth produced vegetation – seed-bearing plants of all varieties and fruit-bearing trees of all sorts. And God saw that His new creation was beautiful and good.”

Genesis 1:12 (The Voice Translation)

About the class: *Exploring Creation with Botany*, 2nd Edition, by Apologia is a God-honoring study of botany. Revised and updated with new content, illustrations, graphics, new and reworded activities, and redesigned *Notebooking Journals!*

Your young botanist will begin this course with an overview of botany and then grow in their knowledge of seeds, flowers, pollination, fruits, leaves, roots, and stems of plants. Their awareness of the world around them will blossom as they experience planting a garden that they design and discover how food is produced. By digging deeper into the many different types of plants in creation, they will acquire wisdom that will flourish for their lifetimes.

Exploring Creation with Botany, 2nd Edition, is part of the award-winning Young Explorer Series—voted the #1 homeschool science curriculum for over 11 years in a row.

Understanding how plants and animals (including humans) were meant to interact for their created purposes helps us spread the beauty of God everywhere we go.

This Charlotte Mason styled living book will help you cultivate a love of learning in your homeschool as you study God’s incredible world of plants. Written in the Apologia conversational style, this hands-on and engaging botany course begins with a lesson on the nature of botany and the process of classifying plants. It then discusses the development of plants from seeds, the reproduction processes in plants, the way plants make their food, and how plants get their water and nutrients and distribute them throughout the body of the plant. As students study these topics, they also learn about many types of plants in creation and where they belong in the plant classification system.

When your family reads this science book you are studying important information discovered by great scientists throughout history. Keeping a student *Notebooking* to participating in science activities builds upon that knowledge as your child conducts their own scientific studies. It is our prayer that at the end of the year your child will have gained a deeper appreciation for and understanding of the beauty of creation.

Required curriculum: Apologia Botany 2nd Edition Textbook. The first chapter in an e-version is available on the Apologia website until your books get shipped to you.

I will have an Apologia Botany 2nd Edition Notebooking Journal. The kids and I may be doing experiments and projects from this journal. I will make copies and bring the supplies for the experiments and projects that we do. You will not need to purchase a journal unless you would like to. However, there will be many fun, hands on things that we will not do in class, that you may want to do at home. I will have my journal in class if you would like to look at it. A sample of the journal is also available on the Apologia website. *Remember to order the 2nd edition Notebooking Journal as it will better coordinate with the 2nd edition textbook.*

About me: Welcome everyone! My name is Rachel Cannon and I am so excited to go on this journey with you and your kids! I have loved Jesus and plants ever since I can remember. 😊 Even as a child, I was our family's landscaper and gardener. When it came time to choose my major for college, my top picks were: Liberal Arts ~ to be a teacher, or Ornamental Horticulture ~ to work with plants. I ended up choosing Ornamental Horticulture at Cal Poly in San Luis Obispo, CA. As I was attending college, I was hired at a local nursery. I loved learning about and being around plants so much during those few years. During my last quarter at Cal Poly, I was hired by a wholesale distributor to sell food (fertilizer) and protection (chemicals) to golf courses, growers, landscapers, municipalities, schools, pest control companies, etc. I got my Pest Control Advisors License and worked doing that for 8 years until I had my son James. At that point, I knew the Lord was calling me to be a full-time mom. My husband, Nathan and I then had another son, Eli and a daughter, Faith. It was when Faith was little that I learned about the importance of organic farming and how the Lord has created plants, insects, mulch, etc. to work together well. I feel that it is super important to learn from the Master Gardener. When we follow His direction, we are sure to succeed!

One of my favorite verses: "We are confident that God is able to orchestrate everything to work toward something good and beautiful when we love Him and accept His invitation to live according to His plan." Romans 8:28 (The Voice Translation)

What is expected from you: I am here to be your support! During our 1 hour meeting a week, the kids will discuss what they are learning with you, be able to ask me questions, and do lots of fun experiments and projects! I realize that some of you may love plants like me and have studied a lot about them, and some may know very little. Where ever your level of expertise lies, I want you to not fret! We will do this together! Please feel free to contact me if you have any questions, comments, concerns, etc.

I told the kids last Thursday...there are lots of big words in Botany. Some people are very good at memorizing. And for some, memorizing is more difficult. We can always look up what we have not

memorized. My desire for them is to have experiences with the plants. That they would learn to love and respect God's beautiful creation in ways they have not before!

<u>Week / Week of</u>	<u>At-home assignment</u>	<u>In-class activity/lab</u>
1 / September 7, 2020	Read Lesson 1: pgs. 9-20	Activity 1.1 and activity 1.2
2 / September 14, 2020	Read Lesson 1: pgs. 21-30 Activity 1.3 What do you remember? (can be done orally or written)	Activity 1.4, 1.5a and 1.5b
3 / September 21, 2020	Read Lesson 2: pgs. 31-35	Activity 2.1, 2.2 and 2.3
4 / September 28, 2020	Read Lesson 2: pgs. 36-42 What do you remember? (can be done orally or written)	Activity 2.4 and 2.5
5 / October 5, 2020	Read Lesson 3: pgs. 41-50 Activity 3.3	Activity 3.1, 3.2 and 3.4
6 / October 12, 2020	Read Lesson 3: pgs. 50-58 What do you remember? (can be done orally or written)	Activity 3.6 and 3.7
7 / October 19, 2020	Read Lesson 4: pgs. 61-70	Activity 4.1 and 4.2
8 / October 26, 2020	Read Lesson 4: pgs. 71-75 What do you remember? (can be done orally or written)	Activity 4.4 and 4.6
9 / November 2, 2020	Read Lesson 5: pgs. 77-82	Activity 5.2 and 5.3
10 / November 9, 2020	Read Lesson 5: pgs. 83-91 What do you remember? (can be done orally or written)	Activity 5.6 and 5.7

11 / November 16, 2020 Read Lesson 6: pgs. 93-98 Activity 6.2 and 6.3

-- / November 23, 2020 THANKSGIVING BREAK

Week / Week of At-home assignment In-class activity/lab

12 / November 30, 2020 Read Lesson 6: pgs. 100-107 Activity 6.4, 6.5 and 6.6
What do you remember? (can be done orally or written)

13 / December 7, 2020 Read Lesson 7: pgs. 109-116 Activity 7.1 and 7.2

14 / December 14, 2020 Read Lesson 7: pgs. 116-120 Activity 7.3 and 7.5
What do you remember? (can be done orally or written)

--/ December 21, 2020 CHRISTMAS BREAK

--/ December 28, 2020 CHRISTMAS BREAK

15 / January 4, 2021 Read Lesson 8: pgs.123-128 Activity 8.1 and 8.2

16 / January 11, 2021 Read Lesson 8: pgs. 128-130 Activity 8.3, 8.4 and 8.5
What do you remember? (can be done orally or written)

17 / January 18, 2021 Read Lesson 9: pgs. 133-138 Activity 9.1 and 9.2
Choose a location at home for a Raised Bed Garden

18 / January 25, 2021 Read Lesson 9: pgs. 138-140 Discuss/tips on plants
Activity 9.3

19 / February 1, 2021 Read Lesson 9: pgs. 140-149 Activity 9.4 and 9.5
Activity 9.6
What do you remember? (can be done orally or written)

20 / February 8, 2021 Read Lesson 10: pgs. 151-155 Activity 10.1 and 10.2

-- / February 15, 2021 SCHOOL BREAK

21 / February 22, 2021 Read Lesson 10: pgs. 156-162 Activity 10.5 and 10.6
What do you remember? (can be done orally or written)

Week / Week of At-home assignment In-class activity/lab

22 / March 1, 2021 Read Lesson 11: pgs. 165-167 Activity 11.2 and 11.3
Activity 11.1

23 / March 8, 2021 Read Lesson 11: pgs. 172-176 Activity 11.5
What do you remember? (can be done orally or written)

24 / March 15, 2021 Read Lesson 12: pgs. 177-181 Activity 12.1

25 / March 22, 2021 Read Lesson 12: pgs. 182-185 Activity 12.2 and 12.3
What do you remember? (can be done orally or written)

26 / April 5, 2021 Read Lesson 13: pgs. 187-191 Lab

27 / April 12, 2021 Read Lesson 13: pgs. 192-195 Activity 13.2, 13.3 and 13.4
What do you remember? (can be done orally or written)

-- / April 19, 2021 EASTER BREAK

28 / April 26, 2021 Read Lesson 14: pgs. 199-201 Activity 14.1

29 / May 3, 2021 Read Lesson 14: pgs. 204-210 Activity 14.2

30 / May 10, 2021 Read Lesson 14: pgs. 211-214 CLASS PARTY
What do you remember? (can be done orally or written)