



TRA Course FACT Sheet 2025-2026

Course Title: **Middle School Botany**

Teacher Contact Information:

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Course Overview:

- This course introduces students to the fascinating world of plants, covering topics such as plant biology, ecology, and the importance of plants in ecosystems
- Students will engage in hands-on activities, laboratory experiments, and field trips to enhance their understanding of botany.
- Emphasis will be placed on the scientific method, observation, and data collection.
- The course aims to foster a deeper appreciation for the natural world and the role plants play in our environment.
- Integrating a Christian perspective, students will explore the beauty and complexity of God's creation, reflecting on the biblical significance of plants and stewardship of the Earth.

Supplies Lists are provided on the TRA Website. The Successful Student:

- Actively participates in class discussions and activities.
- Completes all assignments and laboratory work on time.
- Maintains an organized notebook with class notes, assignments, and handouts.
- Follows safety protocols during laboratory and field activities.
- Collaborates effectively with peers on group projects and experiments.

The Successful Parent:

- Encourages and supports their child's interest in science and nature.
- Checks **FACTS** at least once per week to be aware of student's progress.
- Ensures their child has the necessary supplies and materials for the course.
- Communicates with the teacher regarding any concerns or questions.
- Supports their child in completing homework and preparing for tests.
- Participates in or supports extracurricular activities related to botany or science.

Homework Policy:

- Students are expected to complete homework assignments by the due date.
- If an assignment is not turned in on time, students will have one additional week but will NOT receive full points.
- Assignments not turned in by the following week will receive a zero.
- Homework should be neat, legible, and reflect the student's best effort.



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Apologia Botany Week-by-Week Overview

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

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

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