

Course Description: **Discovering Design with Biology 2026-27**

This refreshed edition of Biology comes from Dr. Jay Wile, author of 1st and 2nd editions of Apologia Biology teamed up with Dr. Paul Madtes Jr. It is a lab-based biology course which will begin with the basic understanding of the chemistry of life, cells and genetics before moving on to explore bacteria, Protista, fungi, invertebrates, fish, birds, reptiles, mammals, humans, plants and how these interact in an ecosystem and the environment. This text and course work will prepare any student for college level biology. **Students should expect to spend an hour a day doing Biology work.** To completely cover the material, students will need to have completed a chapter of reading before the first class in August, as well as covering a chapter between the fall and winter semesters. Weekly lab work will include various hands-on experiments, including microscopes and dissections.

The syllabus will be given and structured for a two-semester class and will cover the entire text. Class time will be devoted to conducting experiments and discussion. The first reading assignment will be given and must be completed before the first class. The first module's experiments will be performed at the first class meeting. **A syllabus will be provided** with a suggested breakdown of daily homework for each module. Questions in the reading will be completed and turned in and graded for completion. Lab reports will be written for all labs; guidelines will be provided. Study Guides and Module Tests will be completed at home and turned in for grading. Tests and lab reports will be turned in, and grades will be calculated using tests, lab reports and homework completion. If more than one class per semester is missed due to an excused absence, students will be required to make up lab assignments. Extended assignment schedules will be given during the December/January break between semesters. Students may plan for a two-week break from Science at Christmas.

Text: Discovering Design with Biology Textbook by Dr. Paul Madtes Jr. and Dr. Jay Wile
Discovering Design With Biology Answer Key and Tests

See the website <https://bereanbuilders.com/ecommerce/discovering-design-with-biology/> to learn more about the text, scope and sequence.

Cost of class includes supplies but not texts, solutions or test manuals.

Teacher: **Mrs. Kristen Mallonee** Cost: \$500/year 90 min class

Tuesdays, 10:45am – 12:15 pm, at Chesterfield Presbyterian Church

9Up Student orientation: Aug. 13, 2026 Time TBA

Fall semester: Aug. 18, 2026 to Nov. 19, 2026

Note: This class meets TUESDAYS.

Winter semester: Jan. 5, 2027 to April 15, 2027

This class has a maximum capacity of 10 students and will be cancelled if it does not reach a minimum of 5 students.

Mrs. Mallonee homeschools her own sons and teaches science at Homeschool Network for grades 2-8 as well as Physical science and Biology for 9Up.