

MACH Junior High Class Descriptions and Book List 2022-2023

7th & 8th Grade Life Science

Teacher: LaWanda Miller

The aim of this class is to give you a better appreciation and understanding for life as God created it and to help you better develop your inquiry skills by using the scientific method. (And hopefully, have fun, while doing so!) There will be a fee for this class collected at the end of the year to cover the cost of copies, dissection specimens, and lab supplies. (Cost will be kept at \$20/student or less.) Tests will be provided to take at home.

This course will cover the following subjects: cell structures and activities, photosynthesis, cellular respiration, genetics, heredity, viruses, bacteria and other single-celled organisms, fungi, plants, animals, and creation versus evolution. The first half of class will include lecture, followed by experiments and activities. There will be approximately 30-40 minutes of homework/day. This course includes a lab component. You will become proficient in using a microscope and making both a wet and dry mount slide. You will dissect your own owl pellet and earthworm. Several other specimens will be dissected together in a group setting. An optional unit on the human body systems may also be completed on your own at home, to round out your study of life science.

- Required books:
 - *BJU Life Science* (4th edition). ISBN: 9781606821619
 - *A Pocket Guide To...Charles Darwin His Life and Impact*, published by Answers in Genesis. ISBN: 978-1-60092-256-5 (You will not need this until the spring semester.)

7th & 8th Grade Writing & Literature

Teacher: Emma Stahl

The middle school students will learn the fundamentals of the writing process and literary analysis. They will learn nine structural writing models (i.e. note taking, simple reports, writing from pictures, research reports, creative writing, essays, etc.) to help them organize any type of composition. Additionally, stylistic techniques (strong verbs, quality adjectives, sentence openers, and more) will be taught incrementally to gently move students from the basics into more sophisticated writing. There will also be at least three book studies throughout the year. Assignments will be graded. There will be a copy fee of \$10-\$15 for the year.

- Book List for Students to Purchase:
 - *Swiss Family Robinson* by Johann David Wyss (ISBN# 9780440415947)
 - *Where the Red Fern Grows* by Wilson Rawls (ISBN# 9780440412670)
 - *The Story of My Life* by Helen Keller (ISBN# 9780553213874)
 - *Structure and Style for Students: Year 1 Level B* (Binder and Student Packet) ISBN-13: 9781623415075

7th-9th Grade World Geography

Teacher: Vicky Goodman

This one-year world geography course describes and explains the world God created. Students will learn about mankind's interaction with the world both in the past and in the present. Together, we will study economics, politics, religion, and cultures from around the world. We will learn how maps were created and used, and geographic terms and concepts. Students will also learn a biblical worldview and how it affects the way we live. Weekly reading assignments, questions pertaining to the reading assignments, quizzes after each unit, exams after five units, hands on projects, mapping activities, group projects and two book reports will be assigned to the student.

- Required books:
 - *Exploring World Geography Part I* by Ray Notgrass, ISBN: 9781609991548
 - *Exploring World Geography Part II* by Ray Notgrass, ISBN: 9781609991555
 - *Exploring World Geography Gazetteer*, ISBN: 9781609991562
 - All these selections can be found at www.notgrasshistory.com or christianbook.com

Choir/Musical (2nd- 9th grades)

Teacher: Jamie Gerlach

This class will provide instructions of musical elements including rhythm, singing with healthy technique, reading music, and performing. A drama component may also possibly be added. Teacher: Jamie Gerlach. Approximate cost is \$50-100/student but is dependent on the number participating and whether it is a half-year or full-year course. (More details to come.) (A minimum of 25 students is needed by the teacher for the musical to be held.)

Volleyball (7-12th grades)

Skills and Drills will be practiced during the first half of the class, followed by playing of the game. Volleyball will not be held on the last day of the Spring semester, and for any other circumstances beyond our control (e.g., times the church may not allow us to use the gym, because of other church functions).

Art (Grades 7-12)

Teacher: Sara Gantz

Students will learn a variety of drawing techniques which will include geometric drawing, shading, drawing with lines and angles, grid drawing and drawing to proportions. The first 5 classes will consist of learning techniques and doing worksheets and studying the importance of using different forms of shading and techniques to create the best drawings. The remainder of the weeks will be spent working on putting together what we learned in creating a final masterpiece. The students will have to use their drawing techniques they learned to duplicate a

staged photo of their choice or a self-portrait. A small fee will be collected for supplies but will be minimal.