

# Walla Walla Valley Academy

(2021 – 2022)

## Biology

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Textbook: Biology By Design, The Scientific Study of *Life*

### Course Description:

Biology is the study of life. During the course of this year, you will be investigating the science of biochemistry, cell structure and physiology, protein synthesis, genetics, the increasing complexity of organisms and the evidence behind Creation / Evolution.

Course objectives: Upon completion of this course a student should be able to –

1. Recognize the Creator's wonderful plan of design in living things, and cite evidence of Creation.
2. Think independently and scientifically.
3. Understand that man's health depends upon maintaining the balance that exists in our bodies (homeostasis). A disruption of this balance can lead to disease and eventually death.
4. Develop enough knowledge to succeed in an advanced high school Science class such as Chemistry / Marine Biology / Human Anatomy & Physiology.
5. Learn to use resources to one's benefit now and in the future.

## **Tools for Success in Biology**

Goals for learning are achieved by many different approaches in order to tap into the overall strengths of each individual student.

- I. Regular worships that point to our Creator God.
- II. Lectures are based upon the given materials as well as those articles found in publications.
- III. Test and quizzes.
- IV. Multimedia software.
- V. Group activities
- VI. Dissections
- VII. Lab exams
- VIII. Cytology / Microbiology labs
- IX. Video presentations.
- X. Continue developing an Ag program “Hands on”

# Academic Honesty

Morally and spiritually, Walla Walla Valley Academy is dedicated to a high standard of scholastic integrity. Students at WWVA are expected to maintain this high standard of academic honesty in this course. Examples of dishonest practices include, but are not exclusively limited to:

1. Copying or obtaining answers from someone else's quizzes, exams, laboratory work, electronic devices or any type of written work in which original answers are required.
2. Use of notes or texts as sources of information in writing quizzes, tests, or examinations, unless specifically stated as allowable.
3. Unauthorized collaboration in the writing up of laboratory discussion or conclusions sections. However, collaboration of reporting of RESULTS is permitted if it was a team effort.
4. For this course, quoting or copying word-for-word from any source – including your textbooks. All of your answers to all assignments in this course must be summarized in your own words.

The discovery of dishonest practices within the context of this class may result in disciplinary action from the Walla Walla Valley Academy Administration.

## **Former Students were successful when they applied the following.**

- Take an active role in participation
- Absorb the hands on activities that solidify lessons
- Develop a clear method of note taking and the organization of materials
- Complete all assignments and submit these on time. In the event that one has an absence that is excused, the number of days missed are the number of days available to make up late work from the return day. Exceptions will be made...
- Use resources such as the instructor, text, classmates, library, models and technology.

### **Grades**

		<b><u>% Weight</u></b>
94% - 100 %	A	
90% - 93%	A-	15 % Quizzes
88% - 89%	B+	30 % Homework
84% - 87%	B	35 % Chapter tests
80% - 83%	B-	20 % Labs / Projects
78% - 79%	C+	
74% - 77%	C	
70% - 73%	C-	
68% - 69%	D+	
64% - 67%	D	40 % 1 <sup>st</sup> Quart
60% - 63%	D-	40 % 2 <sup>nd</sup> Quart
59%		20 % Final Semester Exam