

Biology Syllabus 2015-16
Mr. Sword - Room 501 (348-2762) tsword@bsd124.org
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1. Course Description

This course introduces the study of living organisms. It is a prerequisite for all other biology electives and is assessed by the State of Missouri in an End of Course (EOC) assessment. *Students are required to pass Biology in order to graduate from high school.* This course includes all theories relevant to biology and will explore a variety of biological topics (listed below). Students will be asked to read, write, evaluate, research, and present about these topics. Biology will help establish a solid foundation in inquiry-based scientific exploration. A science notebook will be used in conjunction with the class website to document all aspects of this course. Assignments will be submitted online and as well as through periodic notebook checks.

A. Aim: Learners will be able to approach problems in a scientific manner and understand the principles of biology.

B. Topics to be covered:

- i. Experimental Design (Scientific Inquiry)
- ii. Ecology
- iii. Biomolecules
- iv. Cell Structure & Function
- v. Cell Transport

Second Semester

- vi. Cell Energy Conversion
- vii. Mitosis/Meiosis
- viii. Mendel Genetics
- ix. Molecular Genetics
- x. Evolution

C. Place within the Program of Study: This is a required course for graduation.

D. Length: Full Year Course

Course Webpage

Frcswordbiology.weebly.com

Grading

Course grade will be determined by number of points earned divided by number of points possible. Unit exams are 100 points each.

A Semester 1 comprehensive final will account for 10% of the student's Semester 1 grade.

An End of Course Exam (EOC) will account for 10% of the student's Semester 2 grade.

It is the student's responsibility to get make up work before or after school or electronically via email or the class webpage.

Late Work → will be accepted with a maximum of 25% point reduction.

Tutoring → I am available for extra help in biology before and after school by appointment.

Materials: Please bring these items to each class:

- District issued computer
 - Three-ringed Science **binder** containing tabs, and loose paper.
 - Pencils and **pens** (at least two different colors)
 - Good attitude. *this will make you successful.
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Interview Questions: Interview your parents and record their response below to the following questions.

1. What questions do you have about the class?

2. What is science?

Please sign and return this page tomorrow.

I have read and understand Mr. Sword's policies. You can refer to an electronic copy attached to the home page of my website @ frcswordbiology.weebly .com

Print Student's Name

Student Signature and Date

Parent/ Guardian Signature and Date

Parent/Guardian's email address (please provide a current address that you check frequently)

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Biology
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