**Biology Course Syllabus**

Mr. Tony Fiala

Room # 122

Conference – 3rd period

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**NOTE: SHS Open House is Thursday, August 21st, 5:30pm – 8:00pm.**

**Textbook:** Biology: The Dynamics of Life

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| **Online Access:** |
| **User Name:**  **Password:** |

**Course Description:**

This course will introduce students to concepts of basic life processes, cells,

genetics, reproduction, evolution, survey of the kingdoms of life, and ecology.

**Course A+ Objectives:**

1. Create and design a scientific investigation based on the scientific method, using data, tables, and graphs, and evaluated the results.

2. Compare and contrast plant and animal cell structures.

3. Explain how different molecules enter and leave a cell.

4. Explain the relationships and interactions of organisms and their environment.

5. Compare and contrast the processes of mitosis and meiosis.

6. Evaluate the role of proteins in the cell, as well as explain how DNA constructs the proteins.

7. Predict the pattern of inheritance for traits by compiling the principles of Mendelian genetics using Punnett Squares.

8. Classify organisms into groups and subgroups based on structural similarities and compare them to published classifications of the same organisms based on evolutionary and molecular data.

**Material to bring to class everyday:**

Pencil (preferred) or pen (black or blue only)

3-ring binder with loose leaf paper

Text book

Any assignments/labs for the day/week

Colored pencils (you will be directed as to when to bring them to class)

**Assessment**

Students will be assessed using a variety of tools including, but not limited to, the following:

1. Tests and quizzes

2. Laboratory investigations

3. Homework and in-class assignments

4. Individual and group projects/presentations

Extra credit MAY be offered through additional independent activities.

**Homework Policy**

Missing assignments or failing assignments can be replaced by an alternative assignment. See teacher for these assignments for up to 80% credit.

**Test Policy**

Any low test score (below 70%) can be retaken during AIM class for additional credit (1/2 point for each point missed). *It is the student’s responsibility to schedule time to make up tests.*

**Absentee Policy**

Absentees will have two days to turn in makeup work. Work due on date of absence must be turned in on the day you return.

Students are responsible for obtaining any missed work.

Any missed tests will be completed upon your return to school.

**Grade Calculation: Total Points**

Assignments = in-class worksheets, homework, laboratory questions

Organization = binder checks, prepared for class

Tests and quizzes

Semester exam is worth 10% of your grade

**Grade Scale:**

A = 90 – 100%

B = 80 – 89%

C = 70 – 79%

D = 60 – 69%

F = 59% or below

**Classroom rules:**

1. Respect – You are expected to respect others, your teacher and yourself. This includes listening when others are speaking without interrupting, not making fun of others, being responsible for your actions and respecting the property of others. The goal is to provide a safe environment for everyone.

2. Honesty – Cheating is NOT acceptable and will result in an automatic zero on the assignment without an opportunity to make it up.

3. Punctuality – You are expected to be in your seat when the bell rings. If you are not, you will be counted as tardy. You will receive two freebies each semester before tardies will be counted. You are also expected to remain in your seat until dismissed by the teacher.

4. Hall Passes – You will receive five a semester. Use them wisely…after you use the five, they will start counting as tardies.

5. Preparation – You are to be prepared for class every day. That means having your binder, your pencil or pen (black or blue only), text book (if directed) and all due assignments. Failure to be prepared will result in a tardy/warning.