Biology 2 Syllabus

School: *Garfield High*

**Garfield High School**

1255 16th Street • San Diego, CA • 92101

(619) 362-4500 ext. 2208

**Teacher**:  Camille Fowler

**Room**: 208

**Contact Information**: [cgibson@sandi.net](mailto:cgibson@sandi.net)

**Course**:  Biology 2 (6112)

**Text**:  Glencoe Biology

**Supplies needed**: 3-ring binder (1/2”), 6 dividers, spiral notebook, pencils and pens

**Course Description**:  Biology is a college preparatory science course that satisfies one year of the science portion of the A-G requirement. This course is aligned with the Next Generation Science Standards. A special emphasis will be placed on developing student literacy and numeracy, as well as inquiry and problem solving skills.

**Course Objectives**

**Upon completion of this course, the successful student will:**

1. Understand the role of Biology in today’s world.
2. Demonstrate an understanding of some of the social, ethical and legal issues associated with different aspects of Biology.
3. Learn and practice safety in the laboratory.
4. Learn and practice the scientific method as an approach to problem solving and further develop the ability to think critically.
5. Be able to access and use a wide variety of information sources, especially in the area of technology.
6. Improve oral, written, numeracy, engineering and communication skills.
7. Demonstrate increased positive interaction in the classroom and small collaborative groups.
8. Apply crosscutting concepts, such as patterns, cause and effect, scale, systems, energy, structure and function, stability and change to different topics in science.

**Grading**:  Your academic grade will be determined by the following grading scale:

|  |  |
| --- | --- |
| Grade | Percentage Range |
| A | 90-100 |
| B | 80-89 |
| C | 70-79 |
| D | 60-69 |
| F | BELOW 60 |

**Portfolio**---------------------------------------------------------30% of total grade

**Classwork and Science Journal**----------------------------30% of total grade

**Assessments**----------------------------------------------------20% of total grade

**Homework**-----------------------------------------------------20% of total grade

**Course Completion**: Completion of either a Biology 1 or 2 credit will be based on a measure of proficiency and completion. Completion of a credit will be achieved by satisfying the following requirements: a science journal, formal and informal assessments, homework, classwork and participation and attendance. Additionally, the completion of the Science Portfolio is mandatory.

**Class Work and Homework Assignments**

*Science Portfolio*

The Science Portfolio is a collection of your work completed in Biology 1 or 2 of this course. It displays a wide variety of work that spans the entire course including labs, projects, multimedia applications, case studies, reading and writing in science, math, applications of problem solving in science and sometimes, even art. A majority of the work is done in the classroom setting with various sections also requiring time outside of class. **The portfolio is a mandatory course requirement which is due at the end** **of the course but also checked weekly**. This is meant as a tool used to sharpen scientific, organization and academic skills.

|  |
| --- |
| Sections of the Science Portfolio which is organized in a 3-ring binder with 6 sections:  Section 1: Scientific Method and Labs  Section 2: Multimedia Project  Section 3: Case Study  Section 4: Science in the News  Section 5: Independent Research Project  Section 6: Extra Class Handouts including syllabus, quizzes, and exams |

*Science Journal*

You will be required to maintain a Science Journal in a spiral notebook for this course. The Science Journal includes a table of content, notes, classwork assignments and activities. The journal is graded periodically and must be brought to class everyday.

*Independent Research Project*

You will choose a question to investigate and research and ultimately design a project. There is a project timeline and parts of the project that are due throughout the quarter to keep you on track. The independent project requires time outside of class.

*Homework:*

You will be assigned homework during this course. It is your responsibility to complete each homework assignment and return it by the due date. If you do not understand how to complete the assignment, it is your responsibility to ask for help. Homework is assigned weekly as a Science in the News article that must be read, annotated and complete a graphic organizer and summary. Homework is 20% of your grade and also part of the Science Portfolio (Section 4).

*Absences/Late Work:*

When you have an excused absence, you may have a week to make up the class work assignments that were missed. **It is your responsibility to check to see what was missed and make up the assignments.** Late work will be accepted no later than 1 week after the due date.

*Tests/Quizzes/Assessments:*

An assessment will be given in the middle and end of the course as well as 3 quizzes throughout.  Exams will be based on the labs, class work, and homework assigned.  Make-up exams will be given only if the absence is excused and must be made up within a week of the absence.  Group and individual assessments may be given throughout each unit.

**Class Protocols and Rules:**

As a member of this class, I expect you to be respectful of the room, teacher and fellow classmates. Additionally, plagiarism (copying another person’s work) will result in an F for the assignment with no chance to make it up. All school-wide rules apply.

*Lab Policies*

Students will abide by all classroom rules during any lab assignment.  A Safety Contract, lesson and test will be administered before any lab is performed. Students will be adequately informed and trained on lab procedures prior to lab usage.  Safety and respect of school property is required at all times.  Any student that exhibits disruptive behavior at any time will be permanently removed from the lab by the teacher and will receive no credit for the lab.  Student may be referred to counselor depending on the incident.

*Tutoring*

All students who have questions or are having difficulty are strongly encouraged to come in for help immediately.  Students may come in after school (**Monday –Thursday 2:45-3:30**) or at lunch (by appointment) for tutoring with the teacher. If necessary, other time arrangements may be made in advance.

*Bathroom Policy*

You will be allowed to use the bathroom one person at a time. You must wait 30 minutes after the bell and may not go 10 minutes before the bell.  You will need to take a hall pass with you.

*Leaving Class*

Passes to counselors will only be issued in emergency situations at the discretion of the teacher. Otherwise, issues requiring your counselor’s assistance or any other adult on campus must be handled outside of class time.

**Biology 2: How do organisms interact with living and nonliving environments to obtain matter and energy?**

|  |  |
| --- | --- |
| **Week #** | **Assignments due, Project Deadlines, Labs Homework, Assessments** |
| 1 | Due as homework: Science Safety Test  Syllabus, Netbook Agreement, Journal with Table of Contents  Portfolio with 6 dividers  ENGRADE LOGIN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  PASSWORD: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 2 | **Sign up for projects and contract \***  ●    Lab #1:  Introduction to Data Collection  ●    Quiz #1  ●    Portfolio Check  ●    Science in the News 1\*\* |
| 3 | ●    Journal Check  ●    Portfolio Check  ●    Science in the News 2\*\* |
| 4 | **Research of Independent Entry Due**  ●    Lab #2: Photosynthesis and Cellular Respiration  ●    Quiz #2  ●    Portfolio Check  ●    Science in the News 3\*\* |
| 5 | Midterm Exam  ●    Midterm Portfolio Check |
| 6 | **Independent Project Draft Due**  ●    Journal Check  ●    Portfolio Check  ●    Multimedia Project  ●    Science in the News 4\*\* |
| 7 | **Final Project Due**  ●    Lab #3: Ocean Acidification  ●    Quiz #3  ●    Portfolio Check  ●    Science in the News 5\*\* |
| 8 | ·       Final Portfolio Grading Begins  ·       (10 points per section, 50 total)  ·      Case Study: Environmental Ecology |
| 9 | Final Exam  Final Portfolio DUE |

**\*Boldface items are part of the independent Project**

\*\*Science in the News are articles assigned as homework to read, annotate, and summarize.

**Student Accountability Contract and Parent/Guardian Notification**

As a student, I, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, will be responsible for:

                                                (print full name)

1.      Showing respect and cooperating with adults on campus.

2.      Coming to class on time and prepared to work.

3.      Completing all assignments to the best of my ability.

4.      Respecting the rights of others to learn without disruption.

5.      Showing respect for people and property by not using profanity, stealing or vandalizing.

6.      Practicing the rules of the classroom, school and district.

7.      Spending time at home on assignments given.

8.      Checking grades via Engrade.com regularly.

DATE: \_\_\_\_\_\_\_

STUDENT SIGNATURE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

STUDENT EMAIL: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

STUDENT CELL PHONE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Dear Parent/Guardian,

I am looking forward to working with you and your student to make this a great school year.  If you ever have any concerns regarding your student’s progress, please do not hesitate to contact me.  Once you have reviewed and discussed this syllabus with your student, please sign and return this sheet.  I encourage you to provide your email address and times of availability so that I can better communicate with you regarding your student’s progress.

Thank you,

Ms. Camille Fowler

PARENT/GUARDIAN NAME (printed):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

PARENT/GUARDIAN SIGNATURE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

PARENT/GUARDIAN PHONE NUMBER: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

PARENT/GUARDIAN EMAIL:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

LANGUAGE PREFERENCE: English\_\_\_\_     Spanish \_\_\_\_    Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

OTHER CONTACTS: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_