Aquatic science

Santa Fe High School

2020-2021

Teacher: Jennifer Cunningham

Room: G105

Phone: (409) 927 – 3100 Ext. 3180

Email: Jennifer.cunningham@sfisd.org

Tutorials: After School Monday and Wednesday from 2:45pm – 3:15 pm and by appointment.

**Course Description:**

* This is an introductory level for an aquatic science course designed to give students a familiarity with the major concepts, principles, and processes of aquatic science.
* Topics that will be covered are outlined below.
* This class will reinforce these concepts with lab activities as well as investigative and inquiry based learning experiences.
* Students will also learn how to think critically and evaluate questions during group and individual research projects.

**Required Materials:**

* Laptop/Canvas
* Pen/Pencil

**Optional Materials (student is responsible to keep these materials):**

* Map Pencils (students will not turn this into the teacher)
* Personal Folder (to put any assignments you print so you can refer back to it)

**Optional Materials (Student turn into teacher for classroom use):**

* One box of Kleenex (any brand)
* Hand Sanitizer (any brand)

**Classroom Expectations**:

1. **Be on Time and Be Prepared!**
	* Rather learning virtually or in class, be logged into canvas and have necessary material ready by the bell.
2. **Be Polite and Respectful to all people!**
	* Treat others the way you would like to be treated.
3. **Be Positive and Ready to learn!**
	* Being positive about our lessons will create a more enjoyable class period.
4. **Be Productive**.
	* Always do your best and you will see results!

**Consequences**: **Please keep in mind that consequences depend on the severity of the action.**

* 1st: Verbal Warning & Redirect
* 2nd: Teacher/Student Conference
* 3rd: Teacher Detention & Parent Contact
* 4th: Office Referral

**Course Outline and Schedule:** There is a wide range of topics we will discuss in aquatic science.

|  |  |  |
| --- | --- | --- |
| **Topic** | **Topic** | **Topic** |
| Aquatic Birds | Buoyancy/Titanic | Ocean climate |
| Aquatic Ecosystems  | Explorers of the Ocean | Scuba diving  |
| Aquatic Invertebrates  | Fish, Sharks and Sting Rays | Sonar sounds |
| Aquatic Mammals | Human interaction on the ocean | Symbiosis in Aquatic animals |
| Aquatic Reptiles | Hurricanes | Watershed |
| Branches of Marine Science | Life zones of the ocean | What is Marine Science? |

**Leaving Class:**

* If a student is in the physical classroom, they will need to follow the SFHS 10/10 rule.
* No students will be allowed to leave the room the first or last 10 minutes of class.
* You must sign out on the green pass and leave your phone in the container by the teacher’s desk.
* When you return you must write the time you came back to class, place the green pass on the teacher’s desk and retrieve your phone.

**Grades:**

* Grading is as per the school grading scale.
	+ Daily assignments:
		- Includes classwork, participation, and homework.
	+ Minor assignments:
		- Includes small projects, quizzes, labs, and major project checkpoints.
	+ Major assignments
		- Includes tests, term papers, major projects, and some labs.

|  |  |  |
| --- | --- | --- |
| **9 weeks grading percentages:** |  | **Semester Percentages:** |
| Daily Assignments:  20%  |  | 1st nine weeks:   40% |
| Minor assignments: 30% |  | 2nd nine weeks:  40% |
| Major Assignments:  50% |  | Semester exam:  20% |

**Make-Up Work:**

* Students will be permitted to make up assignments and tests after an absence.
* The number of days allowed for make-up work to be completed will be equal to the number of days a student missed.
* It is the **student’s** responsibility to find the assignment on Canvas and complete it.
* It is also their responsibility to turn the work in within the allowable time frame.
* If a student has a question about an assignment or what they need to do, they need to come during tutorials.

**Missing / Late Work**

* When work is not turned in with the rest of class, the grade will be recorded as “missing and zero” in the grade book.
* Students will have 3 days to turn in the assignment.
* If no assignment is turned in within 3 days of the due date, the grade will remain a zero.
* If the assignment is turned in within 3 days of the due date, the grade will be entered as what the student earned minus 25 late points.

**Exams:**

* Exams will be over material we cover in class, supplemental material you are asked to read, and material covered in handouts, labs, or other activities.
* The type of test questions will vary.
* Quizzes may be given at any time covering assigned reading, previous lectures, homework, or lab procedures.
* Comprehensive final exams will be given each semester.

**Labs/projects:**

* Laboratory experimentation and exploration are a large part of this course.
* It is vital that the students follow all laboratory procedures and safety rules/guidelines.
* Failure to comply with behavior expectations can result in removal from the lab activities and complete bookwork instead.

**Technology:**

* Students will access assignments on Canvas through their district lap top computers.
* If students do not know how to log onto canvas, please contact the teacher for assistance.

**Cell phones:**

* Unless students are using cell phones for the purpose of an assignment, students will refrain from being on cell phones during class time.

**Field Trips:**

* Normally, field trips are a part of this course. However, due to COVID-19 restrictions, field trips will not be allowed at this time.
* If the restrictions change and we are allowed to have field trips, parents and students will be notified.