



## James B. Castle High School

*Vision: We are global citizens who positively contribute to society.  
Mission: Build character. Strive for competence. Instill commitment.*



### Marine Science Syllabus School Year 2016 - 2017

**Teacher: Steven Ing**  
**E-Mail**

#### **Required Classroom Supplies**

- College rule composition book
- Pen, pencil, folder paper

#### **Course Description:**

**This marine science course is designed to meet the needs of the student who wishes to obtain an in-depth awareness of coastal and marine systems. The course will include a study of the physical, chemical and geological aspects of oceanography, marine biology, the coastal environment and the interrelationships among the disciplines.**

#### **Course Objective:**

In this course, students will acquire a clear understanding and mastery of key Marine biological concepts and ideas. Mastery of important science process and safety skills through laboratory investigation and dissections are emphasized. Students will be able to develop a proficiency in critical and creative thinking and problem solving skills – skills essential in science and in everyday life. The overall goal is to allow the students to foster a growing appreciation and interest in Marine Biology – and all other sciences. Students will be required to participate in lab activities to meet course requirements. Students will be assessed by homework assignments, quizzes, lab work and reports, and chapter exams after every chapter.

#### **Classroom Expectations**

##### **Be Prepared – Students are expected to:**

- Be prompt (must be in the classroom before the tardy bell begins to sound).
- All electronics, especially cell phones, put away when the bell rings.
- Bring appropriate classroom materials each day, including Biology note folder, blue or blue pen, and correcting pen
- Submit homework punctually
- Be ready to participate in class activities and discussion.

##### **Show Respect**

*Knight Pride*

*Demonstrating*

*Relationships by being **R**espectful, **R**esponsible, **R**esourceful and **R**esilient.*

***C**haracter, **C**ompetence and **C**ommitment*

- While students do not have to agree with ideas or philosophies presented in class, they do have to be respectful of the opinions expressed by their teacher and fellow classmates. Derogatory comments (including profanity) will not be tolerated.

Students must respect property that does not belong to them, including textbooks, furniture, and equipment.

**Be Responsible**

- Students are expected to follow classroom policies and procedures policies which are outlined in the **Science Classroom Procedures** handout (safety rules, tardy policy, electronic device policy, proper dress, no food or drink in the classroom).
- As Biology is a lab class, safety considerations are extremely important. Students are responsible for their own safety and the safety of others in the classroom. All students must have a signed **Biology Student Safety Contract** on file and pass the safety test before they are allowed to participate in lab assignments. Students are responsible for assignment due dates
- **Deadlines** will be posted on the right side of the white board, and are required to be written into your Biology notebook or planner upon entering classroom.

The Castle High School Grading Policy will be followed in this class. The Policy is as follows:

**Infinite Campus**

Infinite Campus is the school’s on-line grade calculating and reporting program. I will update grades by 3 p.m. every Monday.

**5-Point Grading Scale**

Although Castle High School is currently not a standards-based grading school, we are working toward standards based grading. Therefore, all assignments and assessments will be based on a 5-point grading scale. Some grades may reflect half credit increments. For example, a student may receive a grade of 2.5 for an assignment. I have the discretion to assign a weight to larger assessments, with the maximum weight being three.

Grade for the Assignment or Assessment	Letter Grade for the Assignment or Assessment
5	A
4	B
3	C
2	D
1	F

Furthermore, extra credit will not be offered.

### **Quarter, Semester, Year Grades**

Quarter grades will be based on this formula:

All graded **assignments** – 15% of total grade

All graded **assessments** – 85% of total grade

Semester grades will be based on the average of the two quarter grades.

*Year grades will be based on the average of both semesters, except for courses with End of Course (EOC) exams. EOC exams will account for 15% of the student's year grade.*

### **Retakes**

Students need to conference with me and request a re-take. It is at my discretion to allow a student to re-take an assessment. If a re-take occurs, I will take the higher grade. Re-takes are not provided for unexcused absences and firm deadline assessments.

### **Firm Deadlines**

Firm deadlines for large projects and finals can be established if communicated at the start of the project or quarter and reiterated often.

### **Late Work**

Students need to conference with me to request turning in late work for credit. If accepted, students may have up to but no longer than two weeks after the due date to submit work. **Maximum grade for late work is a 4.**

### **Participation Grade**

*Performance-based courses, such as band or physical education, may include participation requirements, but these requirements should be clearly stated at the beginning of the course.*

### **Unexcused Absence**

Work will be given to students and students will have the opportunity to turn in the work for a grade. Students may have up to but no longer than two weeks after the due date to submit work. **Maximum grade for an unexcused absence is a 4. No re-takes allowed** for work turned in from an unexcused absence.

### **Finals Week**

A final exam may be given at the end of each semester. A final exam schedule will be distributed early in the semester. Students should take every opportunity (A-period tutoring, re-takes, etc) to keep up with academic work throughout the semester to be prepared for each course's final exam. Taking children out of school during finals week may be detrimental to their overall grades.

## **Course Content**

Intro to Marine Biology

Ocean Currents

History Of Marine Biology

Waves and Tides

Basic Science and Lab Skills

Theory of plate tectonics

Theories on the Origin of Life

Ocean Sediments

The energy of Life

Coastlines

Survey of Life in the sea

Marine Ecosystems

The nature of water  
Resources

Marine

Physical Properties of water

Environmental Issues

Air – Sea Interaction  
futures of our Ocean Planet

Research Management and the

**Please sign and turn in**

I have read and understood the attached syllabus for \_\_\_\_\_ class.

Date: \_\_\_\_\_

Student Print Name: \_\_\_\_\_

Student Email Address: \_\_\_\_\_

Student Signature: \_\_\_\_\_

Parent/Guardian Print Name: \_\_\_\_\_

Parent/Guardian Email Address: \_\_\_\_\_

Parent/Guardian Signature: \_\_\_\_\_

Parent/Guardian Phone Numbers:

Home: \_\_\_\_\_ Work: \_\_\_\_\_ Cell: \_\_\_\_\_