

## Biology I K/H Scope and Sequence 2019-2020

### Course Description:

Biology I is the study of all living things. It is a lab-oriented course which emphasizes structure and function, growth and development, cells, tissues and organs, nucleic acids and genetics, biological evolution, taxonomy, and the relationships between living things and the environment.

Grading Period	Unit Topics	Textbook Reference
1 <sup>st</sup>	1. Life: Levels of organization, Domain & Kingdoms and Essential life functions 2. History of Life: Evidence of Common Ancestry, taxonomy & history of life on Earth. 3. Inherited Variations: Part 1: Asexual Reproduction	1: Chapter 1, 3 & 18 2: Chapter 7 & 16-20 3: Chapter 10 & 12
2 <sup>nd</sup>	3. Inherited Variations: Part 2: Sexual Reproduction 4. Gene Expression: Protein Synthesis & Genetic change 5. Mechanisms of Evolution	3: Chapter 11 4: Chapter 13 5: Chapter 14
<b>→ Semester finals</b>		
3 <sup>rd</sup>	6. Matter & Energy: Part 1: Ecology 6. Matter & Energy: Part 2: Cellular Respiration 7. Homeostasis: Transport & cell differentiation	6: Chapter 3 6: Chapter 9 7: Chapter 7 & 10
4 <sup>th</sup>	8. Plants: Transport, reproduction & response 9. Animal: Regulation, reproduction & defense 10. Stability: Succession 11. STAAR Preparation and Exam 12. Extension Unit (Body Systems)	8: Chapter 8 & 22-24 9: Chapter 25-29 10: Chapter 4
<b>→ Finals</b>		

### Tutorials and Website information:

Tutorials are Monday and Wednesday 2:45-3:15pm after school.

Biology class information can be found at [www.cyfairbiology.weebly.com](http://www.cyfairbiology.weebly.com)

### Supplies:

**Notes must be printed by you** and brought to class. If you do not have a printer at home, please visit the library before or after school.

Biology notebook or spiral to keep notes organized.

Ruled paper

Pens, pencils and markers

Weekly calendar/planner

Online textbook information will be posted on our website.

Class sets of textbooks will be available for in-class work, students may access online text book from home.

### Grading:

50% Summative Assessments (unit tests)– Major exams and major projects (MG)

30% Relevant Applications - Lab write ups and other performance-based assignments (RA)

20% Checks for Understanding - Homework, quizzes, worksheets, study guide pages (DG)

**Students always have homework consisting of reading/studying the textbook chapters and studying class notes. The key to success in Biology K/H is to STUDY and STUDY more!**

### **Late Work Policy:**

It is the philosophy of the Cy-Fair High School staff and administration that students always should turn in all work on the date it is due. However, in the event that there are extenuating circumstances that would prevent a student from turning in work on the day it is due, the following policy has been established for the campus:

Late work will be accepted after the due date with a reduction of 15 points per day late. No late work will be accepted past the second day late. 1 day late is max 85%, 2 days late is max 70% and 3 days late is 0%.

### **Policy For Make-up Work When A Student Is Absent:**

The following is an excerpt from the District's Student Handbook regarding District policy relating to make-up work procedures:

Doing class work and homework is crucial for academic progress, so students have the opportunity to complete make-up work for all absences. They will be allowed the same number of days to make up their work as the number of days they were absent. In the event of an emergency or other extenuating circumstance, teachers will grant students additional time to do their make-up work. Students who fail to make up all the work missed by the established deadline may receive partial credit for the work actually completed and turned in. Students who fail to make up their work will receive no credit. In instances when a student is absent for an extended period of time (i.e., 4 days or more), parents may make arrangements to obtain the missed work. Schools need to be given at least a 24-hour notice to gather the missed assignments.

Based on the above district policy, Cy-Fair High School staff and students will adhere to the following guidelines regarding make-up work:

Students will be allowed the same number of days to make up their work as the number of days they were absent. The student and teacher will mutually agree on a reasonable time for the student to make up the work (not more than a week with no extenuating circumstances). This includes homework, daily work, major assignments, projects and tests.

If the student does not come in at the designated time, the school-wide late policy will go into effect for the assignment as previously outlined above.

Please note that if a student has been absent and has known that an assignment was due days or even weeks in advance, then he or she is responsible for turning that assignment in the day he or she returns. This includes multi-day assignments, long-term projects, etc. This also includes tests that were scheduled in advance and for which there was not a review on the day that the student was absent. These types of assignments and tests must be published for students in advance so that students are well aware of the assignment, otherwise, students must receive a day for a day to make up the work.

### **Redo Policy:**

Students may take a comprehensive redo exam to replace one failing (grade of 70 or below) summative assessment grade per grading period with a maximum grade earned not to exceed 70%. The redo exam will be held in school or after school at the end of the grading period unless otherwise specified by the instructor.

Students will also have the lowest check for understanding grade assignment per grading period dropped. (Including 0's).

Students are allowed to redo one assessment grade with a maximum grade not to exceed a 70%.

### **ST Skills:**

All CFISD science students will be assessed on the science core competencies: Scientific Technology, Research, Reasoning, and Collaboration. These skills are designed to help the students become scientifically literate in the classroom and will be assessed progressively throughout each grading period. Students will receive multiple opportunities to show mastery of these skills so the ST skills grade will not be finalized until the end of each grading period.