



## SLCA SYLLABUS 2018-19

### HONORS BIOLOGY

#### **Mission Statement:**

SouthLake Christian Academy exists for the sake of God's glory and mission; proclaiming the gospel and discipling the whole person in all aspects of God's reality.

#### **Course Description:**

*In Honors Biology students are expected to be self-directed and independent learners. After initial guidance in writing lab reports, students will be expected to write proficiently on their own. The course proceeds at a faster pace than College Prep Biology and requires a greater amount of outside-of-class work.* Biology is the study of all living things. This course will build on student understanding of life science, including biochemistry, cell structure and function, nucleic acid and protein synthesis, photosynthesis, cellular respiration, cell growth and division, genetics, classification, human body systems, ecosystems, and invertebrate/vertebrate animals (including dissections). Evolution and Creation are compared on the basis of scientific and Scriptural evidence, considering the philosophical bases of each theory. Students will participate in laboratory investigations, including scientific questioning, data collection, analysis, drawing conclusions, and presenting findings in formal lab reports. Throughout the course, students will see how they are uniquely created and equipped to fulfill God's purpose for them in His incredible world. *Students will take midterm and final exams.*

#### **Course Objectives:**

This course explores the world of biology through a biblical worldview. The scientific method will be utilized in all lab reports as we cover cell structure, DNA, cell growth, genetics, bacteria, animals, and human biology. Students will participate in dissecting a worm, starfish, grasshopper and/or crayfish, frog, shark pup, and fetal pig.

**Text:** *Biology*, NC Edition, Glencoe Science (School supplied)

#### **Evaluation:**

- **Quiz Grades:** may include written announced or unannounced quizzes, written lab reports or other classwork
- **Test Grades:**
  - **Written tests**
  - **Projects**
  - **Formal Lab Reports:** Students will write independent, typed reports about lab investigations. Instructions and a template will be provided. Students will work together in groups during a lab investigation. Afterward, each student is responsible to write his/her own lab report. Reports found to have exact wording as another student are considered plagiarism and will be penalized.

**Test Make-up Policy:** If a student comes into school late and as a result has missed a test, the student will immediately report to the office to make-up that test.

Students have **ONE** day for each day absent (excused) to makeup all tests and quizzes. If the test/quiz is not made up in this period, **10 pts will be deducted** from the final test/quiz grade **for each day past the makeup day**. Students should meet with their teacher(s) ASAP to request alternate arrangements if they do not have a study hall or have multiple assessments to complete.

All tests/quizzes are made up during the assigned test makeup period or other study hall. Students may NOT miss a scheduled class to make up a test. If students make up a test or quiz during a study hall other than the assigned test makeup period, they must go with a pass from their study hall teacher to the office to take it.

- **Grade Distribution** -- 80% Test Grades  
20% Quiz Grades
- **Final Grades** – 80% Semester Grade  
20% Semester Exam

### ***Classroom Policies:***

#### Behavioral Expectations

- Be respectful of others. *Do nothing out of selfish ambition or vain conceit. Rather, in humility value others above yourselves... (Philippians 2:3)*
  - Listen when others are speaking.
  - Use your words to build up and not tear down. *Let no corrupting talk come out of your mouths, but only such as is good for building up, as fits the occasion, that it may give grace to those who hear. (Ephesians 4:29)*
  - Avoid complaining. *Do all things without grumbling or disputing (Philippians 2:14)*
- Be safe: follow all safety rules in the lab.

#### Academic Expectations

- Work diligently, as unto the Lord. *Whatever you do, work at it with all your heart, as working for the Lord, not for human masters... (Colossians 3:23)*
  - Be prepared with books, notes, paper, pencils, planner, etc. Visits to the locker during class will result in a "tardy."
  - Engage your mind, participating fully in class.
  - Bear responsibility for your own success.
- Ask questions when you don't understand.
  - Actively seek to obtain information and assignments you missed when absent.
  - Expect to learn from reading and assignments; avoid treating them as mere busy work.

### ***Required Supplies:***

- Notebook of choice (3 ring binder for handouts works best)
- 1 package No. 2 pencils (please turn in for classroom use)
- Composition Notebook