Biology (Honors & CP) Course Syllabus

Texts: Holt: Modern Biology (Honors) & Glencoe: Dynamics of Life (College Prep)

Each student has been given a copy of the state standards for Biology. The inquiry strand of the standards will be woven throughout the course. Approximately 30% of the End-of-Course exam is derived from this strand alone. Students are expected to keep up with these standards and review them periodically. Each unit of study may be divided into multiple tests.

The following is a brief outline of study for this course. It is subject to change based on student progress and the teacher's discretion.

UNIT TITLE	NUMBER OF DAYS	Indicators
Characteristics of Life, tools, & measurement	5 days (throughout)	1.1-1.9

SC State Standard B-1: The student will demonstrate an understanding of how scientific inquiry and technological design, including mathematical analysis, can be used appropriately to pose questions, seek answers, and develop solutions.

Chemical basis of life	6 days	2.8, 3.4, 3.5

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SC State Standard B-2: The student will demonstrate an understanding of the structure and function of cells and their organelles.

SC State Standard B-3: The student will demonstrate an understanding of the flow of energy within And between living systems.

Cellular basis of life and energy	15 days	2.1, 2.2, 2.3, 2.5, 3.1, 3.2, 3.3

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SC State Standard B-3: The student will demonstrate an understanding of the flow of energy within and between living systems.

Cellular Reproduction	7 days	2.4, 2.6, 2.7

SC State Standard B-1: The student will demonstrate an understanding of how scientific inquiry and technological design, including mathematical analysis, can be used appropriately to pose questions, seek answers, and develop solutions.

SC State Standard B-4: The student will demonstrate an understanding of the molecular basis of heredity.

Genetics and DNA technology 25 days 4.1-4.9

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SC State Standard B-4: The student will demonstrate an understanding of the molecular basis of heredity.

Evolution and Classification 12 days 5.1-5.7

SC State Standard B-1: The student will demonstrate an understanding of how scientific inquiry and technological design, including mathematical analysis, can be used appropriately to pose questions, seek answers, and develop solutions.

SC State Standard B-5: The student will demonstrate an understanding of biological evolution and the diversity of life.

Organisms, Ecosystems, Human interaction 10 days 3.6, 6.1-6.6

SC State Standard B-1: The student will demonstrate an understanding of how scientific inquiry and technological design, including mathematical analysis, can be used appropriately to pose questions, seek answers, and develop solutions.

SC State Standard B-6: The student will demonstrate an understanding of the interrelationships among organisms and the biotic and abiotic components of their environments.