

Course Description

This compelling full-year course engages students in the study of life and living organisms and examines biology and biochemistry in the real world. It encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science. The components include biochemistry, cell biology, cell processes, heredity and reproduction, the evolution of life, taxonomy, human body systems, and ecology.

This course is aligned with the Common Core Standards for Literacy in Science, History, and the Technical Subjects.

The 2014 Editions: Customized for Student Success

This course was previously released as a comprehensive content library (and continues to be available in that format). However, based on customers' requests for pre-customized versions designed for initial credit and credit recovery, Edgenuity has created the 2014 editions—named for the year of release. These versions of the courses are customized so they can be completed in the amount of time most schools allot to online courses: approximately 50 hours per semester for initial credit and approximately 40 hours per semester for credit recovery. (Note that these times reflect only the active time on the software and assume students will spend additional time in discussions with teachers, studying for assessments, etc.).

Both versions of the course include several virtual labs. However, the initial-credit version includes full lab report write-ups intended to be assessed by a teacher, while the credit-recovery version provides a series of post-lab tasks that are system scorable. The initial-credit version also includes more reading and writing overall than the credit-recovery version. The credit recovery version includes a smaller number of lessons, to focus on the most important content. Pre-testing—enabled by default—can also allow students to progress more efficiently through the course.

Units of Study

- Ecology
- The Building Blocks of Life
- Cell Biology
- Cellular Processes
- Molecular Genetics
- Heredity
- The Evolution of Life
- Taxonomy
- The Human Body I
- The Human Body II

Curriculum Briefing (continued)

Course Features

- To promote inquiry and a focus on big ideas, every lesson includes a guiding lesson question.
- All lab activities include student guides, teacher guides, and guidance for completing a lab report write-up and a reflection activity.
- The course includes rigorous reading activities in which students have access to the CloseReader™ toolset—with highlighters, word look-up, and sticky notes that let students annotate the text as they read.
- Every lesson incorporates science practice objectives and critical-thinking skills identified in the National Academy of Sciences Framework for K–12 Science Education.
- The course includes an abundance of rich graphics, charts, photographs, and diagrams, which help students relate to and visualize the content.
- Real-World Connections and Career Connections help students connect biology to their everyday lives and career aspirations.
- A variety of graphic organizers helps students understand relationships between and among concepts.
- An emphasis on interpreting figures and data displays helps students read and understand information the way scientists present it.