

COURSE OVERVIEW

Science

Course Number: 319

Course Name: Biology

Content ID Code: SC

Course Description

This course will attempt to give students a general introduction to the various facets of biology. Topics will include: biochemistry, energy, cells, variety and continuity, ecology, microbes, plants, and animals. Developing a positive interest in biology will be a major goal. This course will stress applying biology skills to everyday living. Every attempt will be made to show students that these biology skills are important and can be used during their entire lifetime.

Credits:

Course Creation Date:

Local Course #:

Instructional Time

Minutes:

Periods per Cycle

Cycles:

Clock Hours:

Methods of Assessment

- | | | | |
|---|---|--|--|
| <input type="checkbox"/> 3-D Projects | <input type="checkbox"/> Debates | <input type="checkbox"/> Plays | <input type="checkbox"/> Simulations |
| <input type="checkbox"/> Anecdotal Records | <input type="checkbox"/> Demonstrations | <input type="checkbox"/> Portfolios | <input type="checkbox"/> Speeches |
| <input type="checkbox"/> Benchmarks | <input type="checkbox"/> Diary/Journals | <input type="checkbox"/> Presentations | <input type="checkbox"/> Standardized Tests |
| <input type="checkbox"/> Chapter Tests | <input type="checkbox"/> Final Tests | <input type="checkbox"/> Projects | <input type="checkbox"/> Student Self Evaluation |
| <input type="checkbox"/> Checklists | <input type="checkbox"/> Group Work | <input type="checkbox"/> Publisher Tests | <input type="checkbox"/> Teacher Made Tests |
| <input type="checkbox"/> Class Participation | <input type="checkbox"/> Interviews | <input type="checkbox"/> Quizzes | <input type="checkbox"/> Visuals |
| <input type="checkbox"/> Computer Products | <input type="checkbox"/> Laboratory Experiences | <input type="checkbox"/> Research Projects | |
| <input type="checkbox"/> Conferences | <input type="checkbox"/> Observations | <input type="checkbox"/> Role Play | |
| <input type="checkbox"/> Criterion-referenced Tests | <input type="checkbox"/> Performance Tasks | <input type="checkbox"/> Rubrics | |

Possible Adaptations

- | | | | |
|---|--|---|--|
| <input type="checkbox"/> Large Print Books | <input type="checkbox"/> Hands on Activities | <input type="checkbox"/> Peer Tutors | <input type="checkbox"/> Independent Study |
| <input type="checkbox"/> Audio Taped Tests | <input type="checkbox"/> Individual Aide | <input type="checkbox"/> Word Banks | <input type="checkbox"/> Contracts |
| <input type="checkbox"/> Extended Time | <input type="checkbox"/> Manipulatives | <input type="checkbox"/> Visual Cues | <input type="checkbox"/> Mentorships |
| <input type="checkbox"/> Preferential Seating | <input type="checkbox"/> Flash Cards | <input type="checkbox"/> Key Words | <input type="checkbox"/> Telescoping |
| <input type="checkbox"/> Advanced Organizers | <input type="checkbox"/> A Notetaker | <input type="checkbox"/> Acceleration | |
| <input type="checkbox"/> Additional Practice | <input type="checkbox"/> Wait Time | <input type="checkbox"/> Tiered Assignments | |
| <input type="checkbox"/> Alternate Assessments | <input type="checkbox"/> Computation Aids | <input type="checkbox"/> Expansions | |
| <input type="checkbox"/> Visualize the Auditory | <input type="checkbox"/> Study Guide | <input type="checkbox"/> Learning Centers | |

COURSE OBJECTIVES

Biology

Total Objectives: 10

Course Objective #	Cognitive Level	Course Objective	Month
The student will			
319-01		The student will utilize tools and procedures to study living things.	
319-02		The student will describe the structure, function, and importance of the major organic and inorganic molecules found in living things.	
319-03		The student will explain how living things obtain, transport, and transform energy and materials necessary for life.	
319-04		The student will identify the structures and regions of a cell and describe the function of each.	
319-05		The student will compare and contrast mitosis and meiosis and explain the importance of each.	
319-06		The student will describe the role that nucleic acids (DNA and RNA) play in controlling the cell and linking one generation to the next.	
319-07		The student will explain different types of gene expression and predict outcomes of genetic crosses for selected traits.	
319-08		The student will describe how structural, cellular, biochemical, and genetic characteristics are used to classify organisms.	
319-09		The student will analyze evidence used to develop theories for evolution, speciation, adaptation, and biological diversity.	
319-10		The student will describe the biotic and abiotic factors that affect the interaction of living things in populations, communities, ecosystems, and biomes.	