



CORRELATION CURRICULUM FRAMEWORKS

COURSE TITLE: Advanced Placement Biology

COURSE NUMBER: 2000340

SUBMISSION TITLE: Biology, 7th edition by Raven, Johnson, Losos, and Singer © 2005

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INTENDED OUTCOMES (Number and outcome)	PAGES(S) OR LOCATIONS(S) WHERE TAUGHT	I/M*
1. Use the scientific method to solve problems, employ metric measurements, and determine safe and effective use of laboratory instruments.	p. 4-14	I
2. Analyze the chemical composition of organisms.	p. 36-58	I
3. Describe in detail cell infrastructure and function of cellular organelles.	p. 79-102	I
4. Assess the role of enzymes in life processes.	p. 39, 149-156	I
5. Trace the biochemical pathways involved in respiration and photosynthesis.	p. 159-182, 185-204	I
6. Describe the processes of cell division.	p. 207-224, 227-238	I
7. Describe the principles of genetics.	p. 284-298, 306-316	I
8. Apply knowledge of structure and the function in plants and animals to their reproduction and development.	p. 729-764, 831-852, 855-1075	I
9. Identify the experimental evidence for the modern theories of the origin of life.	p. 64-76	I

10. Describe the changes in organisms through time.	p. 453-506	I
11. Demonstrate knowledge of the principles of ecology and the role of energy flow, biogeochemical cycles, population growth and regulation, communities, habitats and niches.	p. 1137-1224	I
12. Distinguish between stereotyped and learned behavior and list the factors of social behavior.	p. 1106-1134	I
13. Describe the implication of man's social biology on his environment and quality of life.	p. 1228-1229, 1232-1243	I
14. Analyze how biology interacts with technology and society.	Not correlated	

I = Taught In Depth

M = Mentioned Only