

Honors Biology - Year at a Glance

Course # 2000320

A Note to Parents: The Florida state standards require that the science teacher plan lessons that build knowledge of various scientific concepts, develop the ability to apply these concepts, and engage students in critical thinking. To achieve these goals, students will take part in a range of activities including reading, discussions, writing, lab activities, projects, and more.

What is the purpose of this course?

Students will explore biological concepts. Topics include: molecular and cellular biology, classification, heredity and evolution, ecosystems. The honors course covers many topics more extensively with the additional standards in this course. A passing grade in the course is required to satisfy state graduation requirements. Students who complete this course will take the state end of course exam which comprises 30% of their grade for the year.

What will students be learning?

	Topics
Quarter 1	<ul style="list-style-type: none">• The Nature of Science• Organic molecules• Properties of Water• Cell theory, structure function of all cell types
Quarter 2	<ul style="list-style-type: none">• DNA replication• Protein synthesis• Genetics
Quarter 3	<ul style="list-style-type: none">• Natural Selection/evolution• Classification• Plants• Photosynthesis/Cellular Respiration
Quarter 4	<ul style="list-style-type: none">• Food webs• Biogeochemical Cycles• Renewable/nonrenewable resources• Circulation, the brain, reproductive system

Possible Support Resources

Amoeba Sisters for Biological Topics: <https://www.youtube.com/user/AmoebaSisters>

Student tutorials: <https://www.floridastudents.org/#29|0|0|0>

Bozeman Science videos: <http://www.bozemanscience.com/>

Schoology: the teacher's site will have assignment information.