

Bok Academy North [Biology 1 Honors - 2000320](#)

2022-2023 SYLLABUS *Subject to change*

**Nature of Science standards are to be woven throughout all lessons.

5 Question Reviews Daily.**

Students will be actively engaged in the following ways:

- Quantitative and qualitative observations
- Investigation of thoughtful questions
- Design and conduct experiments and other types of investigations
- Collect and organize data
- Make logical predictions and offer reasonable explanations
- Explore possible conclusions
- Communicate their understanding

STUDENT LAB FEES OF \$20 ARE NEEDED TO BE PAID BY SEPTEMBER

Semester 1	Semester 2
<hr/> Week 1: Classroom Environment and Culture Building: History of Bok , Bok Way , 12 Power Words , Vocabulary of Knowledge and Design , 55 Essentials . <hr/>	<hr/> Organisms, Populations, and Ecosystems 40% and Classification, Heredity AND Evolution 25% <hr/>
<hr/> PROGRESS MONITORING WINDOW <hr/>	Module 7: Mitosis, Meiosis, Reproduction SC.912.L.16.17 Module 8: Genetics SC.912.L.16.1 Module 9: DNA-RNA-Protein Synthesis SC.912.L.16.3 Module 10: Cardiovascular System SC.912.L.14.36 <hr/>
<hr/> Week 2: Lab Safety and Inquiry: All students must read through lab safety rules and obtain a signed permission slip. Beginning labs start with inquiry, how to keep a proper notebook, and expectations of labs. Intro: Scientific Experiments . Scientific Knowledge. <hr/>	<hr/> PROGRESS MONITORING WINDOW <hr/>
<hr/> PROGRESS MONITORING WINDOW <hr/>	Module 11: The Brain SC.912.L.14.26 Module 12: Reproduction and Development SC.912.L.16.13 Module 13: Immune System SC.912.L.14.52, SC.912.L.14.6 Module 14: Plant Kingdom SC.912.L.17.4 Module 15: Evolution SC.912.L.15.1, SC.912.L.15.8, SC.912.L.15.13, SC.912.L.15.10 Module 16: Ecology SC.912.L.17.5, SC.912.L.17.9 SC.912.L.17.20 <hr/>
<hr/> Nature of Science Module 1: Scientific Method SC.912.N.1.1, SC.912.N.1.4, SC.912.N.1.6, SC.912.N.3.4 (Theory vs. Law) <hr/>	<hr/> FSA TESTING WINDOW and SCIENCE REVIEW <hr/>
<hr/> Molecular and Cellular Biology 35% Module 2: Properties of Water SC.912.L.18.12 Module 2: Basics of Biology SC.912.L.14.1 Cell Theory and SC.912.L.14.4 Microscopes. Module 3: Macromolecules SC.912.P.8.7, SC.912.L.18.2, SC.912.L.18.3, SC.912.L.18.4 Module 4: Biochemical Reactions SC.912.L.18.11 Module 5: Cells, Cell Transport, Cell Membrane SC.912.L.14.1, SC.912.L.14.2, SC.912.L.14.3 Module 6: Cellular Respiration and Photosynthesis SC.912.L.18.9	<hr/> Please Take Note Biology 1 Honors is a High School course that has an EOC that will count for 30% of the student's overall grade. Students must maintain an overall grade of 80% and turn all assignments in on time.

