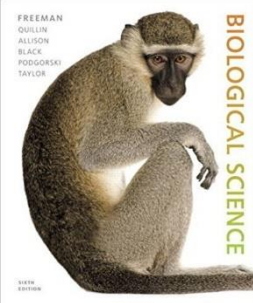


Biology Syllabus

Year	2019-2020	
Required Resources	<ol style="list-style-type: none"> 1. Biology Textbook- <i>Biological Science</i> (Pearson) 2. Interactive Student Notebooks (ISN) 3. Clever Link- Access to online resources 4. MackinVIA Link – eBooks/Audiobooks 5. Learning Express- STAAR prep & tutorials 6. Library Databases <ol style="list-style-type: none"> a. Americas HS b. Eastlake HS c. El Dorado HS d. Montwood HS e. Pebble Hills HS f. Socorro HS 	
Process Skills	<p>Apply life sciences to everyday life. Investigate life science through laboratory and field investigations. Determine appropriate tools for investigations along with collecting quantitative/qualitative data.</p>	
Syllabus 1 st Semester	<p>1st Nine Weeks Embedded Unit 00 Embed Unit 12 (Animal Systems) throughout the year Readiness standards: B10A Supporting standards: B10C</p> <p>Unit 00 Science Safety & Evidence-Based Thinking</p> <p>Unit 02 Biochemistry Readiness standards: B 8.9A Supporting standards: B 8.9C</p> <p>Unit 03 Cells Readiness standards: B 8.4B Supporting standards: B 4A; 10C</p> <p>Unit 04: Cellular Process- Photosynthesis & Respiration Readiness standards: B4B Supporting standards: B9B</p>	



Biology Syllabus

<p>Syllabus 2nd Semester</p>	<p>2nd Nine Weeks Unit 11: Plant Systems Readiness standards: B 10B Supporting standards: B 10C</p> <p>Unit 5: Cell Growth & Differentiation Readiness standards: B 4B;5A;6A Supporting standards: B 5B; 5C</p> <p>Unit 6: Mechanisms of Genetics: Gene Expression, Protein Synthesis, and Mutations Readiness standards: B 4B; 6A; 6C Supporting standards: B 5B; 6B; 6C; 6D</p> <p>Unit 7: Genetics and Heredity Readiness standards: B 6E; 6F Supporting standards: B5C; 6D; 6G, 6H</p>
<p>Syllabus 3rd Semester</p>	<p>3rd Nine Weeks Unit 7: Genetics and Heredity Readiness standards: B.6E; 6F Supporting standards: B5C, 6D, 6H</p> <p>Unit 8: Evolution Readiness standards: B7A, 7E Supporting standards: B7B, 7C, 7D, 7F, 12B</p> <p>Unit 10: Viruses, Bacteria, & Protists Readiness standards: B4C Supporting standards: B8C, 11A</p> <p>Unit 9: Classification Readiness standards: B8B Supporting standards: B8A, 8C</p>
<p>Syllabus 4th Semester</p>	<p>4th Nine Weeks Unit 1: Ecology and Cycles Readiness standards: B11B, 12A, 12C, 12E Supporting standards: 10C, 11A, 12B, 12D</p> <p>Unit 12: Animal Systems Readiness standards: B10A Supporting standards: B10C</p>

