Biology Year-At-A-Glance

Term 1	Term 2	Term 3	Term 4
Unit 1: **Cells, Biomolecules & Organization** 1. Cell Types & Organization 2. Biomolecules in Cells 3. Viral vs. Cellular Structure **Dates:** Aug 19 - Sept 4 **TEKS:** B.5A, **B.5B**, B.5D *Textbook: Dynamic Biology, Strand 1 - B.5A, B.5B, B.5D**	**Unit 3**: **Cell Cycle, Regulation, & Disruptions** (Subunits 3-4) 3. Cancer-An Internal Disruption 4. Viruses-An External Disruption **Dates:** Oct 13 - 21 **TEKS:** **B.6C**, B.5D *Textbook: Dynamic Biology, Strand 1 - B.5D, B.6C**	**Unit 6: Evolution & Population Change** 1. Evidence for Evolution 2. Mechanisms of Natural Selection 3. Outcomes of Evolution **Dates:** Jan 6 - Feb 3 **TEKS:** B.9A, **B.9B**, B.10A, **B.10B**, **B.10C**, B.10D *Textbook: Dynamic Biology, Strand 3 - B.9A, B.9B, B.10A, B.10B, B.10C, B.10D**	**Unit 8: Plant & Animal Systems** (Subunit 2) 2. Animal Systems **Dates:** Mar 22 - 30 **TEKS:** B.12A *Textbook: Dynamic Biology, Strand 1 - B.12A**
Unit 2: **Cellular Processes & Energy** 1. Enzymes & Reaction Rates 2. Photosynthesis & Respiration 3. Homeostasis **Dates:** Sept 8 - 25 **TEKS:** B.11A, **B.11B**, B.5C *Textbook: Dynamic Biology, Strand 1 - B.5C, B.11A, B.11B**	**Unit 4**: **Gene Expression & Mutations** 1. DNA Structure & Information 2. Transcription & Translation 3. Mutations & Protein Changes **Dates:** Oct 22 - Nov 11 **TEKS:** B.7A, B.7B, **B.7C** *Textbook: Dynamic Biology, Strand 2 - B.7A, B.7B, B.7C**	**Unit 7: Ecosystem Stability** 1. Ecological Relationships 2. Matter Cycling in Ecosystems 3. Biodiversity **Dates:** Feb 4 - Mar 4 **TEKS:** B.13A, B.13B, B.13C, **B.13D** *Textbook: Dynamic Biology, Strand 4 - B.13A. B..13B, B.13C, B.13D**	**STAAR Countdown and STAAR** 1. Biological Structures, Functions, and Processes 2. Mechanisms of Genetics 3. Biological Evolution 4. Interdependence within Environmental Systems **Dates:** Mar 31 - Apr 14 *Biology STAAR EOC*
Unit 3: **Cell Cycle, Regulation, & Disruptions** (Subunits 1-2) 1. Cell Cycle & MItosis 2. Regulation & Checkpoints **Dates:** Sept 28 - Oct 8 **TEKS:** B.6A, B.6B *Textbook: Dynamic Biology, Strand 1 - B.6A, B.6B**	**Unit 5: Meiosis and Inheritance** 1. Meiosis & Genetic Variation 2. Patterns of Inheritance **Dates:** Nov 12 - Dec 18 **TEKS:** B.8A, **B.8B** *Textbook: Dynamic Biology, Strand 2 - B.8A, B.8B**	**Unit 8: Plant & Animal Systems** (Subunit 1) 1. Plant Structures **Dates:** Mar 5 - 19 **TEKS:** **B.12B** *Textbook: Dynamic Biology, Strand 1 - B.12B**	**Unit 9: Biotechnology & Applications** 1. Molecular Technologies 2. Cell Transport Applications **Dates:** Apr 15 - May 27 **TEKS:** B.5C, B.7D *Textbook: Dynamic Biology, Strand 1 - B.5C, Strand 2 - B.7D**
Important Dates: Aug 19: Term Begins Sept 7: District Holiday *Sept 8 - 11: BOY Window* Sept 21: District Inservice Oct 8: Term Ends	**Important Dates:** Oct 9: Student/Teacher Holiday Oct 12: Campus Inservice Oct 13: Term Begins *Oct 22 - 28: Benchmark 1 Window* Nov 9: District Inservice *Dec 14 - 18: Benchmark 2 Window* Dec 18: Term Ends	**Important Dates:** Jan 4 - 5: Campus Inservice Jan 6 Term Begins Jan 18: District Holiday Feb 15: Campus Inservice *Feb 22 - 26: STAAR Simulation Window* Mar 8 - 12: District Holiday Mar 19: Term Ends	**Important Dates:** Mar 22: Term Begins Mar 25 and 29: District Holiday May 27: Term Ends

**Dynamic Biology textbook resources can be accessed on Clever via the Summit K-12 app*