

## 2020-2021 Biology Scope and Sequence Fall Semester

Week		Chapter	Unit Title	Description	Test	Biology TEKS
1	8/24-8/28	1	Lab Safety/Equipment, Scientific Process	Lab Safety, Lab Equipment, Procedure, Design Controlled Experiment		1A, 2A-H, 3A, 3F
2	8/31-9/4	1, 3-6	Scientific Process, Characteristics of Life, Ecology	Notes, Biome Poster project		7C-F, 11B, 12B-D, 12E, 12F
3	9/5-9/9	3-6	Ecology	Biome Poster, trophic level notes, limiting factors, symbiosis station lab		7C-F, 11B, 12B-D, 12E, 12F
4	9/14-9/18	3-6	Ecology	Biogeochemical cycles, review test		7C-F, 11B, 12B-D, 12E, 12F
5	9/21-9/27	16-19	Evolution	Test Corrections, Succession, Evolution notes		6B, 7A-B, 7D-E, 12B, 12D
1	9/28-10/4	16-19	Evolution	Evolution notes, station lab, Practice packet, Webquest		6B, 7A-B, 7D-E, 12B, 12D
2	10/5-10/11	16-19	Evolution	Genetic drift activity, natural selection practice, checkpoint, review		6B, 7A-B, 7D-E, 12B, 12D
3	10/12-10/18	16-19, 2	Evolution, Chemistry of life	Matching cards, test, Introduction to Biomolecules sorting		6B, 7A-B, 7D-E, 12B, 12D
4	10/19-10/25	2	Chemistry of life	Lipids/Carbohydrates CS, notes, practice, station lab, Intro to Nucleic Acids		4A, 9A, 9B
5	10/26-10/30	2	Chemistry of Life	Nucleic Acids and DNA replication, DNA extraction lab, Protein CS/video, notes, Enzyme components flipgrid explanation		4A-B, 5B, 9A, 6b-d
1	11/2-11/6	2, 7	Chemistry of Life, Cells	Enzyme Review, Review, Test, Intro to Cells Notes		4A-B, 5B, 9A
2	11/9-11/13	7	Cells	Cell Poster, Cell membrane Notes, Transport Practice, Cell Membrane Bubble Lab		4B, 9B
3	11/16-11/20	8, 9	Cells	Cell Energy- Yeast demo, Elodea demo, notes, Protein synthesis notes, practice, matching review cards		4B, 9B
4	11/30-12/4	8-10	Cells	Review, Test, test Corrections		4A, 5A-B

5	12/7-12/13	10, 12	Cells	Cell Cycle Foldable, Mitosis CS- Matching Cards, Station lab, Final Review		4A-B, 5A-C, 5D, 6A
6	12/5-12/9	1-19	Final Exams	Review, Final Exams		All listed above

\*\*\*Threaded throughout each unit: TEKS 1A-3F

## 2020-2021 Biology Scope and Sequence Spring Semester

Week	Date	Chapter	Unit Title	Description	Test	Biology TEKS
1	1/6-1/8	10	Cells	Cell Cycle Review, Mutations, Cancer, Review, Test		4B, 6B-D, 5C, 6B-E
2	1/11-1/15	11	Genetics	Intro to genetics notes, monohybrid practice, codominance, incomplete dominance practice		6F-G
3	1/18-1/24	11	Genetics	Practice, Disease interest topics, intro sex-linked, dihybrid		6F-G
4	1/25-1/29	11	Genetics	Practice, Disease interest topics, pedigree notes, pedigree activity		6F-G
5	2/1-2/5	14	Genetics, classification	Review, Test, Intro to classification notes, station lab		6F, 3F, 8A, 8B
6	2/8-2/12	14,	Classification, Kingdoms	Archaeobacteria, Eubacteria notes, Videos, Protist Microscope lab, notes, Brain eating amoeba reading		4A, 8B, 8C, 7G, 8C, 11C, 12A
1	2/15-2/19	18	Kingdoms	Fungi notes, video, webquest, Plant notes, stomata lab, observation of bean plant		4A, 8A-C
2	2/22-2/28	20	Kingdoms	Plant Structure & Function observation, plant dissection, Intro to animal kingdom- Insect scavenger hunt on flipgrid		4A, 8B, 8C
3	3/1-3/5	21	Kingdoms	Review, Test, Intro to Viruses		7G, 8C, 11C, 12A
4	3/8-3/12	16	Evolution	Viruses, Virus Model, Checkpoint		6B, 7A, 7D-E, 12B, 12D
5	3/22-3/28	19	Bacteria	Viruses vs Bacteria, Bacteria notes, Diseases, Nitrogen Cycle		7A-B

6	3/29-4/1	22, 23	Body Systems	Human Body systems- skeletal and muscular, respiratory and circulatory, Digestive and Endocrine, notes and activities		4B, 5B, 8C, 10B, 11A-B, 12B
7	4/5-4/9	30	Body Systems	Endocrine and Nervous, Immune and Integumentary, Reproductive, notes and activities- Test		7G, 8C, 11C, 12A
1	4/12-4/16			EOC Review- Ecology, Evolution, Biomolecules		
2	4/19-4/23			EOC Review- Cells (organelles, transport, protein synthesis, energy), Cell Cycle, Viruses, Bacteria		
3	4/26-4/30			EOC Review- Genetics, Classification/Kingdoms, Body systems		
4	5/3-5/7			EOC		
5	5/10-5/14	27, 28		Animal Systems, Dissections, Cloning, Fingerprinting		9C, 10A, 12A-B
6	5/17-5/21		Review	Sex Ed Program, One Love, Healthy decisions, review		
7	5/24-5/28		Finals			

\*\*\*Threaded throughout each unit: E.S. TEKS 1A-3F

\*\*\*Two extra weeks are allotted for EOC review and testing in Spring