



Course Title: Life Science

Content Area: Science

Grade Level: 7

Scope and Sequence

Unit or Topic	Standards	Length of Time	Key Content	Assessment Tools	Scaffolding Strategies (Interventions, Special Education)	Resources & Materials
Cells & Organelles	3.1.7.A4 3.1.7.A5 3.1.7.A6 3.1.7.A8 3.1.7.B2	5 weeks	→ Characteristics of living things → Types of cells: prokaryotic and eukaryotic → Cell theory → Types of organelles: structure and function → Microscope usage	Teacher created assessments – homework, labs, quizzes, and tests.	Students are allowed to retest if needed. Assessments are adapted as needed.	All content is teacher created. Materials are posted in Blackboard, Google Classroom, and/or handed out for interactive notebooks.
Cellular Processes	3.1.7.A2 3.1.7.A7	5 weeks	→ Photosynthesis → Cellular Respiration → Cell transport: diffusion, osmosis, endocytosis, exocytosis, and why cells are so small → Mitosis	Teacher created assessments – homework, labs, quizzes, and tests.	Students are allowed to retest if needed. Assessments are adapted as needed.	All content is teacher created. Materials are posted in Blackboard, Google Classroom, and/or handed out for interactive notebooks.
Classification of Life & Viruses	3.1.7.A1 3.1.7.A3 3.1.7.A9 3.1.7.B2	5 weeks	→ Linnaeus' system of classification → Construct and use dichotomous keys	Teacher created assessments – homework,	Students are allowed to retest if needed.	All content is teacher created. Materials are posted in Blackboard, Google Classroom, and/or

			→ Levels of classification: Domain, Kingdom, Phylum, Class, Order, Family, Genus, Species → Characteristics for organisms found in each kingdom including cell type, eating habits, reproductive methods, and more → Viruses and why are they are non-living	labs, quizzes, and tests.	Assessments are adapted as needed.	handed out for interactive notebooks.
Genetics & Heredity	3.1.7.B1 3.1.7.B2	5 weeks	→ Punnett Squares → Mendelian and non-mendelian inheritance	Teacher created assessments – homework, labs, quizzes, and tests.	Students are allowed to retest if needed. Assessments are adapted as needed.	All content is teacher created. Materials are posted in Blackboard, Google Classroom, and/or handed out for interactive notebooks.
DNA	3.1.7.B4 3.1.7.B5	5 weeks	→ The structure of DNA → Meiosis → Pedigrees → Spective Breeding, hybridization and genetic engineering	Teacher created assessments – homework, labs, quizzes, and tests.	Students are allowed to retest if needed. Assessments are adapted as needed.	All content is teacher created. Materials are posted in Blackboard, Google Classroom, and/or handed out for interactive notebooks.
Evolution, Natural Selection & Adaptations	3.1.7.B6 3.1.7.C1 3.1.7.C2 3.1.7.C3 3.1.7.C4	5 weeks	→ Theory of evolution → Mutation and adaptation → Charles Darwin and his theory of evolution by natural selection → The Industrial Revolution → Evidence of evolution	Teacher created assessments – homework, labs, quizzes, and tests.	Students are allowed to retest if needed. Assessments are adapted as needed.	All content is teacher created. Materials are posted in Blackboard, Google Classroom, and/or handed out for

			→ Types of camouflage → Radioactive dating			interactive notebooks.
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