



## Unit 4: Cells

15-22 days

Students will understand the functions of the parts of a cell. They will understand the steps of mitosis. They will understand the processes of osmosis and diffusion.



## Unit 5: Genetics, heredity

15-20 days

Students will describe the structure of DNA. They will understand the process of heredity. They will describe the function of chromosomes and genes. They will understand how trait dominance affects offspring, sex linked traits, and genetic engineering as it applies to human and other organisms.



## Unit 6: Geological Time

7-10 days

Students will understand the theory of the Big Bang. They will understand how time is split into eras and periods. They will understand the evolutionary changes that occurred within these time periods.



## Unit 7: Evolution

14-17 days

Students will understand the role of adaptation in forming new species. They will describe the contribution of Darwin to the field of evolution. They will describe the importance of fossil evidence and embryology to evolution.



## Unit 8: Earth and Space

15

Students will understand the layers of the earth, layers of the atmosphere, solar system (and beyond), current space exploration, and plate tectonics



## Unit 9: