

## 7<sup>th</sup> Grade Science

### 3rd Nine Weeks Syllabus

- 7.LS1.8)** Construct an explanation demonstrating that the function of mitosis for multicellular organisms is for growth and repair through the production of genetically identical daughter cells.
- 7.LS3.2)** Distinguish between mitosis and meiosis and compare the resulting daughter cells.
- 7.LS3.3)** Predict the probability of individual dominant and recessive alleles to be transmitted from each parent to offspring during sexual reproduction and represent the phenotypic and genotypic patterns using ratios.
- 7.LS3.1)** Hypothesize that the impact of structural changes to genes (i.e., mutations) located on chromosomes may result in harmful, beneficial, or neutral effects to the structure and function of the organism
- 7.ESS3.1)** Graphically represent the composition of the atmosphere as a mixture of gases and discuss the potential for atmospheric change.
- 7.ESS3.2)** Engage in a scientific argument through graphing and translating data regarding human activity and climate.
- 7.ETS2.1)** Examine a problem from the medical field pertaining to biomaterials and design a solution taking into consideration the criteria, constraints, and relevant scientific principles of the problem that may limit possible solutions

Daily Work Grades: Vocabulary and Open Book Lesson Quizzes

Assessments: Chapter Test, 9 Week Test and Exams, Mastery Connect will be used for quizzes and test

Resources: [www.pearsonrealize.com](http://www.pearsonrealize.com) - Students have a login with resources (including online text book) that will help them study for all test.

Study Island will be used as supplemental material.