

Grade 8 Science New Jersey Student Learning Standards Pacing Guide

Established 2016-2017 Revised 2018-2019 Revised 2019-2020 Revised 2020-2021 Revised 2022-2023 Revised 2023-2024 Revised 2024-2025

Trimester 1 60 Days

Science Inquiry and Science Safety Skills (10 Days) {MS-ETS1:1-4}	Physical Science Unit 6- Forces and Motion (25 Days) {PS2-1, PS2-2}	Physical Science Unit 7- Electric and Magnetic Forces (25 Days) {PS2-3, PS2-5}
<ol style="list-style-type: none"> Science Inquiry Process and Scientific Methods Engineering Design Process Lab Safety Skills STEM Challenge 	<ol style="list-style-type: none"> Introduction to Forces Newton's Laws of Motion Engineer It: Collisions between Objects 	<ol style="list-style-type: none"> The Magnetic Force The Electric Force Fields Electromagnetism

Trimester 2 60 Days

Earth and Space Sciences Unit 8- Patterns in the Solar System (20 days) {ESS1-1}	Earth and Space Sciences Unit 9- The Solar System and Universe (15 Days) {ESS1-2, ESS1-3, PS2-4}	Life Science Unit 2- Reproduction, Heredity and Growth (25 Days) {LS1-4, LS1-5, LS3-2}
<ol style="list-style-type: none"> The Earth-Sun-Moon System Seasons 	<ol style="list-style-type: none"> Earth and the Solar System Gravity and the Universe Modeling in Space Science <p align="center">STEM Month Activities</p>	<ol style="list-style-type: none"> Inheritance and Reproduction Plant Reproduction and Growth Animal Reproduction and Growth

Trimester 3 60 Days

Life Science Unit 5- The History of Life on Earth (20 days) {LS4-1, LS4-2, LS4-3}	Life Science Unit 6- Evolution (20 Days) {LS4-1, LS4-2, LS4-3}	Physical Science Unit 8- Waves and Information Transfer (20 days) {PS4-1, PS 4-2, PS 4-3}
<ol style="list-style-type: none"> The Fossil Record Patterns of Change in Life on Earth Evidence of Common Ancestry 	<ol style="list-style-type: none"> Genetic Change and Traits Natural Selection Human Influence on Traits <p align="center">Earth Day Activities</p>	<ol style="list-style-type: none"> Introduction to Waves The Behavior of Mechanical Waves The Behavior of Light Waves Information Transfer

