

## Science Curriculum

### 8th Grade

#### Curriculum Overview

*"Scientific and technological advances have proliferated and now permeate most aspects of life in the 21st century. It is increasingly important that all members of our society develop an understanding of scientific and engineering concepts and processes. Learning how to construct scientific explanations and how to design evidence-based solutions provides students with tools to think critically about personal and societal issues and needs. Students can then contribute meaningfully to decision-making processes, such as discussions about climate change, new approaches to health care, and innovative solutions to local and global problems."*

*Reference: New Jersey Department of Education. New Jersey Student Learning Standards, 2020.*

Unit Title	Timeframe	New Jersey Student Learning Standards
Contact Forces	33 Days	MS-PS2-1, MS-PS2-2, MS-PS3-1, MS-ETS1-2, MS-ETS1-3, MS-LS1-8
Sound Waves	24 Days	MS-PS4-1, MS-PS4-2
Forces at a Distance	30 Days	MS-PS2-3, MS-PS2-5, MS-PS3-2
Earth in Space	31 Days	MS-ESS1-1, MS-ESS1-2, MS-ESS1-3, MS-PS2-4, MS-PS4-2
Genetics	28 Days	MS-LS1-2, MS-LS1-4, MS-LS1-5, MS-LS3-1, MS-LS3-2, MS-LS4-5
Natural Selection & Common Ancestry	31 Days	MS-LS1-4, MS-LS4-1, MS-LS4-2, MS-LS4-3, MS-LS4-4, MS-LS4-6