

M/J Physical Science delivers instruction, practice, and review to help students develop scientific literacy, deepen conceptual understanding, and apply scientific practices. Students explore concepts including the interactions of matter; motion and stability; waves and their technological applications; and energy.

The two-semester course is arranged in themed units, each with two to three lessons. In each unit, activities make complex ideas accessible to students as they discover the nature of science through focused content, interactive mini-investigations, multi-modal representations, and personalized feedback. Each lesson includes a variety of activities such as direct instruction, application of skills, performance tasks, and formative and summative assessments. Students engage with the subject matter in an interactive, feedback-rich environment as they progress through standards-aligned content and demonstrate their learning through computer- and teacher-scored assignments.

This course is built to state standards.

Length: Two Semesters

Unit 1: Science and Engineering

Unit 2: Tools of Inquiry

Unit 3: Nature of Matter

Unit 4: Describing Matter

Unit 5: Changes in Matter

Unit 6: Semester Wrap-Up

Unit 7: Force and Motion

Unit 8: Noncontact Forces

Unit 9: Energy

Unit 10: Thermal Energy and Heat

Unit 11: Waves

Unit 12: Applications of Waves

Unit 13: Semester Wrap-Up