Science Standards Guidance

Middle School Science

Options in Course Sequences

Science standards at the middle school level are grade banded and not grade specific. For this reason, districts are encouraged to exercise their local control and map the standards to grade levels where they see fit. At the middle school level much discussion has been had regarding an integrated vs. domain specific, the intent of this document is to provide guidance considering themes and units that could scaffold in a meaningful way for both a balanced implementation and assessment system. The criteria for evaluating the suggested sequence included consideration of developmental milestones / rigor, interconnectedness of concepts and teachers of rural districts who could be teaching all three grade levels consecutively. Evaluating this criteria meant that a consistency of domains in all three grade levels were considered and alignment was intentionally attempted when identifying times of year for concepts to be taught.

Quick Links

- Sixth Grade
- Seventh Grade
- Eighth Grade

Sixth Grade

Atoms, Molecules & Chemical Reactions MS-PS1-1 MS-PS1-2 MS-PS1-5 MS-PS1-3 Thermal Energy MS-PS1-4 MS-PS1-6 MS-PS3-3 MS-PS3-4 MS-PS3-5 Impact of Resource Availability on Organisms MS-LS2-1 MS-LS2-2	Non-contact Forces and Fields MS-PS2-3 MS-PS2-4 MS-PS2-5 MS-PS3-2 Scale, Gravity, Earth Sun and Moon MS-ESS1-1 MS-ESS1-2 MS-ESS1-3

Seventh Grade

Chemical Processes in Ecosystems & Organisms MS-LS1-6 MS-LS1-7 MS-LS2-3 Changes in Earth's Surfaces MS-ESS2-1 MS-ESS2-2 MS-ESS3-2 MS-ESS2-3 MS-ESS2-4 MS-ESS3-1 MS-ESS1-4	Life's Essential Structures & Functions MS-LS1-1 MS-LS1-2 MS-LS1-3 MS-LS1-8 Growth & Reproduction of Organisms MS-LS3-1 MS-LS3-2 MS-LS1-5 MS-LS1-4

Eighth Grade

Force & Motion MS-PS2-1 MS-PS2-2 MS-PS3-1 Waves MS-PS4-1 MS-PS4-2 MS-PS4-3 Weather & Climate MS-ESS2-5 MS-ESS2-6 MS-ESS3-5	Human Impact on Ecosystems MS-ESS3-3 MS-ESS3-4 MS-LS2-4 MS-LS2-5 Change in Populations over Time MS-LS4-4 MS-LS4-5 MS-LS4-6 MS-LS4-1 MS-LS4-2 MS-LS4-3

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November 2023