



Plus Catalog for Middle School Science

About Michigan Virtual School®

Michigan Virtual School challenges students who want to learn in a different way, using the latest in technology to explore math, science, social studies, world languages and language arts in a flexible, personalized environment. Online high school and middle school courses are taught by highly-qualified, Michigan-certified teachers. *MVS*® doesn't award credit or diplomas, but students receive a completion certificate recognized by local and intermediate school districts that award credit and diplomas.

MVS is accredited by the North Central Association and the Commission on International and Trans-regional Accreditation, meaning that *MVS* courses exceed essential standards of educational quality. Some *MVS* core courses are approved by the NCAA.

What is Online Learning?

Online learning is educational content and instruction that is delivered via the Internet. Content and instruction are delivered through a variety of methods including text, audio, video, simulations and other interactive tools. Students and instructors most often interact asynchronously (interactions separated by time), through email, discussion forums and announcements, though some courses require synchronous communication (no time lapse), such as through video conferencing tools.

MVS Plus Courses

MVS Plus courses for high school students are offered during the regular school year (semester and trimester) and in the summer. Advanced Placement courses are offered during the school year as semester length courses. Middle school *MVS Plus* courses are in the semester format; a limited number of middle school courses are offered in the summer. Click [here](#) for course pricing information.

Information about Prerequisites

Course prerequisites are listed where applicable. Prerequisites are provided as suggestions to guide course selection. It is up to the person enrolling the student to determine whether the student has the necessary background knowledge.

Course Title: ***Astronomy (Grades 6-8)***

School Level: MS **Delivery Format:** Plus **Standards:**

Prerequisite: 6th Grade Reading Level.

Description: Students journey through the universe to study the objects in the night sky and beyond. This course will use an e-text and interactive web sites to cover major topics of astronomy, such as: tools of the astronomer, theories on the formation of stars, galaxies, and the universe. Students will explore the features of the planets of the solar system and cover a brief history of the space program.

Syllabus: <https://cems.mivu.org/SyllabusView.aspx?CourseID=235>

Cost (MI): \$275 **Cost (Non-MI):** \$410

SCED Code: Subject Area: (53) Life and Physical Sciences (prior-to-secondary)

Course Identifier: (008) Earth/Space Science

Course Level: (G) General or Regular

Suggested Credit: 0.5

Sequence: 1 of 1

Course Title: ***Science A (6th Grade)***

School Level: MS **Delivery Format:** Plus **Standards:**

Prerequisite: 5th Grade Science

Description: This course is the first in a two-course sequence and provides students with an introduction to Science, energy, force, weather, climate, the earth's systems, and the living world. Some topics are explored in depth while others are introduced to serve as building blocks for later coursework. During this course students will explore science through everyday examples and experiences. Students will participate in activities and online laboratory experiences to apply what they have learned.

Syllabus: <https://cems.mivu.org/SyllabusView.aspx?CourseID=313>

Cost (MI): \$275 **Cost (Non-MI):** \$410

SCED Code: Subject Area: (53) Life and Physical Science (prior-to-secondary)

Course Identifier: (236) Science (grade 6)

Course Level: (G) General or Regular

Suggested Credit: 0.5

Sequence: 1 of 2

Course Title: ***Science B (6th Grade)***

School Level: MS **Delivery Format:** Plus **Standards:**

Prerequisite: Science (Comprehensive) A - 6th Grade

Description: This course is the second in a two-course sequence and provides students with an introduction to Science, energy, force, weather, climate, the earth's systems, and the living world. Some topics are explored in depth while others are introduced to serve as building blocks for later coursework. During this course students will explore science through everyday examples and experiences. Students will participate in activities and online laboratory experiences to apply what they have learned.

Syllabus: <https://cems.mivu.org/SyllabusView.aspx?CourseID=296>

Cost (MI): \$275 **Cost (Non-MI):** \$410

SCED Code: Subject Area: (53) Life and Physical Science (prior-to-secondary)

Course Identifier: (236) Science (grade 6)

Course Level: (G) General or Regular

Suggested Credit: 0.5

Sequence: 2 of 2

Course Title: *Science A (7th Grade)***School Level:** MS**Delivery Format:** Plus**Standards:****Prerequisite:** 6th Grade Science

Description: This course is the first in a two-course sequence. In this course students explore: The Foundations of Science, Energy, The Earth and it's features, The Earth's internal and external structures and how they change, The Earth's history, living things and how they change and interact, Genetics and Heredity, and The Organization of the living world. Some of these topics are introduced and serve as a foundation for later coursework and others are discussed in detail. Students will learn through real world examples and virtually visit six different continents to see science in action all over the world. Students will participate in activities and online laboratory experiences to apply what they have learned.

Syllabus: <https://cems.mivu.org/SyllabusView.aspx?CourseID=314>**Cost (MI):** \$275**Cost (Non-MI):** \$410**SCED Code:** Subject Area: (53) Life and Physical Sciences (prior-to-secondary)

Course Identifier: (237) Science (grade 7)

Course Level: (G) General or Regular

Suggested Credit: 0.5

Sequence: 1 of 2

Course Title: *Science B (7th Grade)***School Level:** MS**Delivery Format:** Plus**Standards:****Prerequisite:** Science (Comprehensive) A - 7th Grade

Description: This course is the second in a two-course sequence. In this course students explore: The Foundations of Science, Energy, The Earth and it's features, The Earth's internal and external structures and how they change, The Earth's history, living things and how they change and interact, Genetics and Heredity, and The Organization of the living world. Some of these topics are introduced and serve as a foundation for later coursework and others are discussed in detail. Students will learn through real world examples and virtually visit six different continents to see science in action all over the world. Students will participate in activities and online laboratory experiences to apply what they have learned.

Syllabus: <https://cems.mivu.org/SyllabusView.aspx?CourseID=297>**Cost (MI):** \$275**Cost (Non-MI):** \$410**SCED Code:** Subject Area: (53) Life and Physical Sciences (prior-to-secondary)

Course Identifier: (237) Science (grade 7)

Course Level: (G) General or Regular

Suggested Credit: 0.5

Sequence: 2 of 2

Course Title: *Science A (8th Grade)***School Level:** MS**Delivery Format:** Plus**Standards:****Prerequisite:** 7th Grade Science

Description: This is the first course in a two-course sequence. The course introduces new information and reviews some basics of science to prepare students for high school science coursework. During this course students will learn through real world examples and applications. Students will participate in activities and online laboratory experiences to apply what they have learned.

Syllabus: <https://cems.mivu.org/SyllabusView.aspx?CourseID=315>**Cost (MI):** \$275**Cost (Non-MI):** \$410**SCED Code:** Subject Area: (53) Life and Physical Sciences (prior-to-secondary)

Course Identifier: (238) Science (grade 8)

Course Level: (G) General or Regular

Suggested Credit: 0.5

Sequence: 1 of 2

Course Title: *Science B (8th Grade)*

School Level: MS

Delivery Format: Plus

Standards:

Prerequisite: Science (Comprehensive) A - 8th Grade

Description: This is the second course in a two-course sequence. The course introduces new information and reviews some basics of science to prepare students for high school science coursework. During this course students will learn through real world examples and applications. Students will participate in activities and online laboratory experiences to apply what they have learned.

Syllabus: <https://cems.mivu.org/SyllabusView.aspx?CourseID=298>

Cost (MI): \$275

Cost (Non-MI): \$410

SCED Code: Subject Area: (53) Life and Physical Sciences (prior-to-secondary)

Course Identifier: (238) Science (grade 8)

Course Level: (G) General or Regular

Suggested Credit: 0.5

Sequence: 2 of 2