UPPER PENINSULA VIRTUAL ACADEMY
Engaged Students. Exceptional Outcomes.

2024-2025 CLK Virtual Academy High School Core Classes

Class Offered	Learning Platform	Course Summary	Grades	Day	Time	Instructor	Optional Learning Experience
**~~STRIKETHROUGH~~ CLASSES NOT OFFERED FOR 24/25 SCHOOL YEAR							
Algebra 1 A/B	Edmentum	Michigan Algebra I A/B is a completely re-designed course that offers 100% alignment to the Michigan Academic Standards for Mathematics. The specific standard alignment for each lesson is visible to both educators and students. In addition to the emphasis on alignment, the lessons in the new course are designed to be shorter in length than lessons of previous versions, offering focused exploration of topics to make concepts more digestible for students. Practice questions are included with each lesson, including technology-enhanced items and explanations to assist students in their understanding of the concepts. New features to support student mastery include worksheets for practice and guided notes to help students record key takeaways as they move through the tutorial. The course is also built around student engagement, with more interactive lessons and videos that work through examples and model problem-solving skills. This fresh new look and feel for the course was inspired by educator feedback. Educators were also involved in the course at the design-level, as many unit activities, worksheets, and video scripts were written by current algebra classroom teachers. Michigan Algebra I reflects our commitment to standards alignment and putting the needs of educators and students first in all aspects of course design.	9-12	Self Directed	Self Directed	Margerie Gronlund, Todd Waurio, Jennifer Wickstrom	At Home
Algebra 2 A/B	Edmentum	Michigan Algebra II A/B is a completely re-designed course that offers 100% alignment to the Michigan Academic Standards for Mathematics. In addition to the emphasis on alignment, the new lessons in the course are designed to be shorter in length than lessons of previous versions, offering focused exploration of topics to make concepts more digestible for learners and intentionally grouped to reinforce connections. Practice questions are included with each lesson, including technology-enhanced items and explanations to assist learners in their understanding of the concepts. New features to support student mastery include worksheets for practice and guided notes to help learners record key takeaways as they move through the tutorial. The course is built around learner engagement, with more interactive lessons, videos that work through examples and model problem-solving skills, and experiences to support multi-modal learning and sense-making. Scaffolding pieces are included throughout the course to provide learners with opportunities to build on foundational skills as well as prepare for greater success by drawing learners' attention to common misunderstandings and articulating the big ideas that underpin learning. This fresh new look and feel for the course was inspired by educator feedback. Michigan Algebra II reflects our commitment to standards alignment and putting the needs of educators and learners first in all aspects of course design.	9-12	Self Directed	Self Directed	Margerie Gronlund, Todd Waurio, Jennifer Wickstrom	At Home
Advanced Calculus A/B	Edmentum	This course grounds the study of calculus in real-world scenarios and integrates it with the four STEM disciplines. The first semester covers functions, limits, derivatives and the application of derivatives. The course goes on to cover differentiation and antidifferentiation, applications of integration, inverse functions, and techniques of integration.	9-12	Self Directed	Self Directed	Margerie Gronlund, Todd Waurio, Jennifer Wickstrom	At Home
Advanced US History	Edmentum		9-12	Self Directed	Self Directed	Troy Reuter, Abe Voelker, Amanda Willmert	At Home
Consumer Mathematics	Edmentum	This course explains how four basic mathematical operations – addition, subtraction, multiplication, and division – can be used to solve real-life problems. It addresses practical applications for math, such as wages, taxes, money management, and interest and credit. Projects for the Real World activities are included that promote cross-curricular learning and higher-order thinking and problem-solving skills.	9-12	Self Directed	Self Directed	Margerie Gronlund, Todd Waurio, Jennifer Wickstrom	At Home

Financial Mathematics A/B	Edmentum	Financial Algebra is designed to instruct students in algebraic thinking while also preparing them to navigate a number of financial applications. Students will explore how algebraic knowledge is connected to many financial situations, including investing, using credit, paying taxes, and shopping for insurance. In studying these topics, students will learn about the linear, exponential, and quadratic relationships that apply to financial applications. In addition, the course will help prepare students to tackle the wide variety of financial decisions they will face in life, from setting up their first budget to planning for retirement.	9-12	Self Directed	Self Directed	Margerie Gronlund, Todd Waurio, Jennifer Wickstrom	At Home
Geometry A/B	Edmentum	Michigan Geometry v2.0 is a completely re-designed course that offers 100% alignment to Michigan K-12 Standards. In addition to the emphasis on alignment, the new lessons in the course are designed to be shorter in length than lessons of previous versions, offering a focused exploration of topics to make concepts more digestible for learners and intentionally grouped to reinforced connections. Practice questions are included with each lesson, including technology-enhanced items and explanations to assist learners in their understanding of the concepts. New features to support student mastery include worksheets for practice and guided notes to help learners record key takeaways as they move through the tutorial. The course is built around learner engagement, with more interactive lessons, videos that work through examples and model problem-solving skills, and experiences to support multi-modal learning and sense-making. Scaffolding pieces are included throughout the course to provide learners with opportunities to build on foundational skills as well as prepare for greater success by drawing learners' attention to common misunderstandings and articulating the big ideas that underpin learning. This fresh new look and feel for the course was inspired by educator feedback. Michigan Geometry v2.0 reflects our commitment to standards alignment and putting the needs of educators and learners first in all aspects of course design.	9-12	Self Directed	Self Directed	Margerie Gronlund, Todd Waurio, Jennifer Wickstrom	At Home
Integrated Math 1 A/B	Edmentum	Michigan Integrated Math I is a completely re-designed course that offers 100% alignment to the Michigan K-12 Standards for Mathematics. In addition to the emphasis on alignment, the new lessons in the course are designed to be shorter in length than lessons of previous versions, offering focused exploration of topics to make concepts more digestible for learners and intentionally grouped to reinforce connections. Practice questions are included with each lesson, including technology-enhanced items and explanations to assist learners in their understanding of the concepts. New features to support student mastery include worksheets for practice and guided notes to help learners record key takeaways as they move through the tutorial. The course is built around learner engagement, with more interactive lessons, videos that work through examples and model problem-solving skills, and experiences to support multi-modal learning and sense-making. Scaffolding pieces are included throughout the course to provide learners with opportunities to build on foundational skills as well as prepare for greater success by drawing learners' attention to common misunderstandings and articulating the big ideas that underpin learning. This fresh new look and feel for the course was inspired by educator feedback. Michigan Integrated Math I reflects our commitment to standards alignment and putting the needs of educators and learners first in all aspects of course design.	9-12	Self Directed	Self Directed	Margerie Gronlund, Todd Waurio, Jennifer Wickstrom	At Home
Integrated Math 2 A/B	Edmentum	Michigan Integrated Math II is a completely re-designed course that offers alignment to the Michigan K-12 Standards for Mathematics. In addition to the emphasis on alignment, the new lessons in the course are designed to be shorter in length than lessons of previous versions, offering focused exploration of topics to make concepts more digestible for learners and intentionally grouped to reinforce connections. Practice questions are included with each lesson, including technology-enhanced items and explanations to assist learners in their understanding of the concepts. New features to support student mastery include worksheets for practice and guided notes to help learners record key takeaways as they move through the tutorial. The course is built around learner engagement, with more interactive lessons, videos that work through examples and model problem-solving skills, and experiences to support multi-modal learning and sense-making. Scaffolding pieces are included throughout the course to provide learners with opportunities to build on foundational skills as well as prepare for greater success by drawing learners' attention to common misunderstandings and articulating the big ideas that underpin learning. This fresh new look and feel for the course was inspired by educator feedback. Michigan Integrated Math II reflects our commitment to standards alignment and putting the needs of educators and learners first in all aspects of course design.	9-12	Self Directed	Self Directed	Margerie Gronlund, Todd Waurio, Jennifer Wickstrom	At Home

Integrated Math 3 A/B	Edmentum	Michigan Integrated Math III is a completely re-designed course that offers 100% alignment to the Michigan K-12 Standards for Mathematics. In addition to the emphasis on alignment, the new lessons in the course are designed to be shorter in length than lessons of previous versions, offering focused exploration of topics to make concepts more digestible for learners and intentionally grouped to reinforce connections. Practice questions are included with each lesson, including technology-enhanced items and explanations to assist learners in their understanding of the concepts. New features to support student mastery include worksheets for practice and guided notes to help learners record key takeaways as they move through the tutorial. The course is built around learner engagement, with more interactive lessons, videos that work through examples and model problem-solving skills, and experiences to support multi-modal learning and sense-making. Scaffolding pieces are included throughout the course to provide learners with opportunities to build on foundational skills as well as prepare for greater success by drawing learners' attention to common misunderstandings and articulating the big ideas that underpin learning. This fresh new look and feel for the course was inspired by educator feedback. Michigan Integrated Math III reflects our commitment to standards alignment and putting the needs of educators and learners first in all aspects of course design.	9-12	Self Directed	Self Directed	Margerie Gronlund, Todd Waurio, Jennifer Wickstrom	At Home
Precalculus A/B	Edmentum	Precalculus builds on algebraic concepts to prepare students for calculus. The course begins with a review of basic algebraic concepts and moves into operations with functions, where students manipulate functions and their graphs. Precalculus also provides a detailed look at trigonometric functions, their graphs, the trigonometric identities, and the unit circle. Finally, students are introduced to polar coordinates, parametric equations, and limits.	9-12	Self Directed	Self Directed	Margerie Gronlund, Todd Waurio, Jennifer Wickstrom	At Home
Probability and Statistics	Edmentum	This course is designed for students in grades 11 and 12 who may not have attained a deep and integrated understanding of the topics in earlier grades. Students acquire a comprehensive understanding of how to represent and interpret data; how to relate data sets; independent and conditional probability; applying probability; making relevant inferences and conclusions; and how to use probability to make decisions.	9-12	Self Directed	Self Directed	Margerie Gronlund, Todd Waurio, Jennifer Wickstrom	At Home
English 9 A/B	Edmentum	English 9 v7.0 is a completely re-designed course that offers 100% alignment to the Common Core State Standards for English Language Arts. In addition to an emphasis on alignment, the redesigned lessons are designed based on a clear thematic connection and build upon each other ensuring that standards are scaffolded and covered multiple times going deeper with each lesson. Texts in this course are diverse, authentic, complex, and rich in length. Students encounter texts multiple times over the course of a unit digging deeper in theme and focus standards. Each lesson follows a clear instructional model mirroring that of the traditional tier-one lesson cycle: warm-up, direct teach with modeling, guided practice, independent practice, and closure. Instructional best practices are embedded throughout lessons such as close reading, modeling, and chunking. Features to support student mastery included guided notes and graphic organizers. Scaffolding pieces, such as Clarifying Big Ideas (CBI) lessons are included throughout the course to provide learners with opportunities to build on foundational skills as well as prepare for greater success by drawing learners' attention to common misunderstandings and articulating the big ideas that underpin learning. These CBI lessons include additional modeling, student examples, and detailed explanations to ensure students internalize key concepts discussed in tutorials.	9-12	Self Directed	Self Directed	Tom Blessing, Karen LaCross, Luke Theisen	At Home

English 10A/B	Edmentum	English 10 is a completely re-designed course that offers 100% alignment to the Common Core State Standards for English Language Arts. In addition to the emphasis on alignment, the new lessons in the course are designed to be shorter in length than lessons of previous versions, offering focused exploration of topics to make concepts more digestible for learners, and intentionally grouped to reinforce connections. Practice questions are included with each lesson, including technology-enhanced items and explanations to assist learners in their understanding of the concepts. This new design offers learners multiple opportunities to experience the reading and writing connection via analysis tasks, and other opportunities to engage in research and experience writing across genres. Instructional best practices are embedded throughout lessons such as the close reading of texts and application of reading strategies. New features to support student mastery include worksheets for practice and guided notes to help learners record key takeaways as they move through the tutorial. Scaffolding pieces, such as Clarifying Big Ideas (CBI) lessons, are included throughout the course to provide learners with opportunities to build on foundational skills as well as prepare for greater success by drawing learners' attention to common misunderstandings and articulating the big ideas that underpin learning. These CBI lessons include additional modeling, student examples, and detailed explanations to ensure students internalize key concepts discussed in tutorials. This fresh new look and feel for the course was inspired by educator feedback. English 10 reflects our commitment to standards alignment and putting the needs of educators and learners first in all aspects of course design.	9-12	Self Directed	Self Directed	Tom Blessing, Karen LaCross, Luke Theisen	At Home
English 11 A/B	Edmentum	English 11A explores the relation between American history and literature from the colonial period through the realism and naturalism eras. English 11B explores the relation between American history and literature from the modernist period through the contemporary era and presents learners with relevant cultural and political history. Readings are scaffolded with pre-reading information, interactions, and activities to actively engage learners in the content. The lessons in both semesters focus on developing grammar, vocabulary, speech, and writing skills.	9-12	Self Directed	Self Directed	Tom Blessing, Karen LaCross, Luke Theisen	At Home
English Lit and Comp	Edmentum		9-12	Self Directed	Self Directed	Tom Blessing, Karen LaCross, Luke Theisen	At Home
English 12 A/B	Edmentum	In keeping with the model established in English 11, these courses emphasize the study of literature in the context of specific historical periods, beginning with the Anglo-Saxon and medieval periods in Britain. Each lesson includes tutorials and embedded lesson activities that provide for a more engaging and effective learning experience. Semester B covers the romantic, Victorian, and modern eras. End of unit tests ensure mastery of the concepts taught in each unit, and exemptive pretests allow students to focus on content that they have yet to master.	9-12	Self Directed	Self Directed	Tom Blessing, Karen LaCross, Luke Theisen	At Home
Civics	Edmentum	National Civics is a one-semester course offering seven units that cover topics including the origins of American government, the structure and function of our government, rights and responsibilities of citizens, the American federal system, political parties and the election process, basic economic principles, and current matters regarding domestic and foreign policy. The course includes a variety of unit and lesson activities that examine the history, culture, and economy of the nation that encourage research and reflection. In these activities, students will examine seminal documents and landmark Supreme Court cases in American political history, analyze changes in federal and executive power over time, explore the political election process and data related to recent voting trends, research and propose a public policy plan, as well as compare and contrast the functions of the national government with state and local governments. The course also prepares students to pass the civics portion of the USCIS Naturalization Test.	9-12	Self Directed	Self Directed	Troy Reuter, Abe Voelker, Amanda Willmert	At Home
Economics	Edmentum	This course covers basic economic problems such as scarcity, choice, and effective use of resources. It also covers topics on a larger scale such as market structures and international trade. It particularly focuses on the US economy and analyzes the role of the government and the Federal Reserve System.	9-12	Self Directed	Self Directed	Troy Jarvi, Troy Reuter, Abe Voelker	At Home

US History A/B	Edmentum	US History v3.0 is a two-semester course aligned to the principles of the C3 Framework. The course promotes the examination, analysis, and evaluation of important people and events in the history of the United States of America. The course also uses investigative questions to guide the examination and analysis of events. The content of the course is designed to promote understanding of the impacts historical events had on the numerous groups of diverse people who make up the United States. Clarifying Big Ideas (CBI) Lessons appear throughout the course to model critical thinking skills and strategies. These skills and strategies are woven throughout the lessons to allow students to practice using the skills in context. Activities further promote critical thinking about historical figures and encourage learners to analyze factors that impacted the decisions these figures made to shape the growth and development of the United States. The activities have learners analyze and evaluate primary and secondary sources, and have them form opinions while using evidence to support their opinions.	9-12	Self Directed	Self Directed	Troy Reuter, Abe Voelker, Amanda Willmert	At Home
World History A/B	Edmentum	In World History, learners will explore historical world events with the help of innovative videos, timelines, and interactive maps and images. Learners will develop historical thinking skills and apply them to their study of European exploration, the Renaissance the Reformation, and major world revolutions. They will also study World War I, World War II, the Cold War, and the benefits and challenges of living in the modern world.	9-12	Self Directed	Self Directed	Troy Rueter, Abe Voelker, Amanda Willmert	At Home
Advanced Biology A/B	Edmentum	To generate skills for lifelong learning, 25 percent of the lessons in Advanced Biology use student-driven, constructivist approaches for concept development. The remaining lessons employ direct-instruction approaches. In both cases, the lessons incorporate multimedia-rich, interactive resources to make learning an engaging experience. The AP approach to advanced biology topics helps students achieve mastery of abstract concepts and their application in everyday life and in STEM-related professions.	9-12	Self Directed	Self Directed	Jennifer Peters, Meg North	At Home
Advanced Chemistry A/B	Edmentum	Advanced Chemistry includes most of the 22 laboratory experiments recommended by the College Board to provide a complete advanced experience in a blended environment. More than 25 percent of the online lesson modules are inquiry-based and employ online simulations, data-based analysis, online data-based tools, and —kitchen sink labs that require no specialized equipment or supervision. Many of the lessons include significant practice in stoichiometry and other critical, advanced chemistry skills.	9-12	Self Directed	Self Directed	Jennifer Peters, Meg North	At Home
Biology with Virtual Labs A/B	Edmentum	This inquiry- and virtual-lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards for high school biology. Content topics include cells, organ systems, heredity, organization of organisms, evolution, energy use in organisms, and the interdependence of ecosystems.	9-12	Self Directed	Self Directed	Jennifer Peters, Meg North	At Home
Chemistry A/B	Edmentum	This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with high school chemistry along with additional concepts and standards typically included in a full-year high school chemistry course. Content topics include atoms and elements, chemical bonding, chemical reactions, quantitative chemistry, molecular-level forces, solutions, and energy and changes in matter.	9-12	Self Directed	Self Directed	Jennifer Peters, Meg North	At Home
Earth and Space Science A/B	Edmentum	This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with high school Earth and space science. Content topics include scientific processes and methods, the universe, the Precambrian Earth, the Earth's materials and tectonics, the hydrosphere and atmosphere, and human interactions with the Earth's systems and resources.	9-12	Self Directed	Self Directed	Jennifer Peters, Meg North	At Home
Integrated Phyiscs and Chem A/B	Edmentum	The lessons in this course employ direct-instruction approaches. They include application and Inquiry-oriented activities that facilitate the development of higher-order cognitive skills, such as logical reasoning, sense-making, and problem solving.	9-12	Self Directed	Self Directed	Jennifer Peters, Meg North, Jennifer Wickstrom	At Home
Physics A/B	Edmentum	Physics introduces students to the physics of motion, properties of matter, force, heat, vector, light, and sound. Students learn the history of physics from the discoveries of Galileo and Newton to those of contemporary physicists. The course focuses more on explanation than calculation and prepares students for introductory quantitative physics at the college level. Additional areas of discussion include gases and liquids, atoms, electricity, magnetism, and nuclear physics.	9-12	Self Directed	Self Directed	Jennifer Peters, Meg North	At Home
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