



Mohammed Choudhury
State Superintendent of Schools

TO: Members of the State Board of Education
FROM: Mohammed Choudhury
DATE: July 27, 2021
SUBJECT: Virtual Options for Maryland Students

PURPOSE:

To provide a summary of approved virtual learning programs in Maryland for 2021-2022.

BACKGROUND/HISTORICAL PERSPECTIVE:

In order to provide flexible options in the delivery of instruction, the Maryland State Department of Education (MSDE) offers an ongoing Maryland Virtual Student Learning Opportunities (MVSLO) Program. Maryland's local school systems (LSS), individually or in a consortium, developed virtual blended program plans to accommodate some students during the school year 2021–2022.

EXECUTIVE SUMMARY:

This presentation provides an overview and updated information regarding the MVSLO and LSS virtual and/or virtual blended programs. LSS program proposals were reviewed by MSDE and feedback was provided, as needed.

ACTION:

For information and discussion

ATTACHMENTS:

Virtual Options for Maryland Students PPT
Summary Chart of Approved Programs
Approval Checklist
Virtual Learning Regulations
Public Course List for SY 2021-2022

Virtual Options for Maryland Students

School Year 2021 – 2022



Board of Education Meeting

July 27, 2021

The Maryland Virtual Student Learning Opportunities (MVSLO) Program

MVSLO provides:

- Equitable opportunities for all Maryland students to participate in MSDE approved credit-bearing State or vendor courses.
- Flexible scheduling options that meet student needs.
- A catalog of over 300 approved courses (AP, Honors, credit-recovery, electives, etc.).

Implementation of MVSLO at the Local Level

LSS determines:

- Level of oversight and enrollments for student participation
- Dedicated staff (Points of Contact) to manage the program
- Student support by school-based staff
- Course selection and use
- Funding allocations

MVSLO Student Enrollment

	Student Enrollment in Asynchronous MVSLO Courses	Student Enrollment in Blended MVSLO Courses (taught by LSS educators)	Student Enrollments in AP level MVSLO Courses	Special Education Student Enrollments in MVSLO Courses
SY 17- 18	4,981	15,791	385	1,930
SY 18- 19	5,378	18,307	721	2,471
SY 19- 20	4,664	24,770	728	2,416

Local School System (LSS) Virtual Program Approval Process

- Checklist was created based on existing Maryland legislation.
- MSDE provided consultation and feedback on various developmental stages of LSS proposals, including final submissions.
- LSSs provided clarification as requested.

Examples of Existing Programs:

- Frederick County Virtual School (2012 - present)
- Baltimore County Alternative Program (2012 – present)
- Kent County Blended Virtual Program (2019 – present)

Defining Virtual Learning in Maryland

Synchronous learning – remote learning that happens in **real-time with the interaction between the teacher and students** that occurs in a **face-to-face environment** or in a **virtual classroom setting**, i.e. access from home via web conferencing.

Asynchronous learning – **learning that occurs online without real-time interaction** or instruction by an educator. Examples may include but not limited to pre-recorded video lessons, resource videos, assigned readings, and posted assignments.

Hybrid (Concurrent) Teaching and Learning is an educational model where some **students attend class in-person, while others join the class virtually from home**. Educators teach remote and in-person students at the same time using tools like video conferencing hardware and software.

SY 21- 22 Virtual Program Summary for All LSS Programs

- 22 local school systems offering a virtual program
- 13,979 students projected to participate in a LSS virtual option for SY 21- 22 (1.5%)
 - Elementary- 5,153 students (1.3%)
 - Middle- 3,590 students (1.7%)
 - High School- 5,236 students (2.0%)

Individual LSS Blended Virtual Programs

Blended Learning Program is a **combination of synchronous and asynchronous teaching and learning** that requires access to the Internet, an electronic device, web conferencing tools, and a learning platform. Educators deliver virtual instruction aligned with the school's curriculum and monitor student attendance, growth, IEP requirements, and provide differentiation for individual students.

16 local school systems are offering a blended virtual program:

- 16 using their own educators
- 13 using their own curriculum
- 8 using a combination of own curriculum and vendor courses
- 2 using only vendor course content

Eastern Shore of Maryland Educational Consortium (ESMEC)

The nine Maryland Eastern Shore counties are participating in the ESMEC Blended Virtual Program (BVP):

- Open enrollment was offered to all 6 -12th grade students on the Eastern Shore.
- APEX Learning will provide course content and teachers.
- Each student will have a personalized schedule that *requires* them to participate daily in synchronous instruction for each course.
- Currently, there are approximately 181 BVP applicants.

BVP Local School System Responsibilities

Each Eastern Shore School System will:

- Establish criteria for student enrollments and review their own BVP student applications.
- Provide all accommodations and services to their BVP students by the student's home school assigned staff.
- Submit a proposal to MSDE if determined that a K-5 virtual option is needed.

Criteria for Virtual Enrollments

- Health considerations (documented)
- Students who had exhibited success in the virtual environment
- Consistent student attendance
- Social/emotional considerations
- Unique family challenges
- Home school students

Marketing and Enrollment

Marketing Strategies:

- Interest surveys to parents and/or students
- Postings on LSS websites
- Family information meetings and flyers
- Social Media communications and/or use of LSS message system

Enrollment Determination:

- Applications reviewed at school or system level
- First come, first serve
- Lottery
- Remain enrolled in home school

State and Local Assessments

- All state level assessments will be conducted and proctored at a face-to-face school system facility.
- LSSs will determine how benchmark and course assessments will be conducted.

Blended Virtual Schedule: Elementary Example

Sample Elementary School Schedule

Time	Course
8:30-8:50	Social/Emotional Learning (SEL)
9:00-11:00	Reading and Writing Block
11:10-1:10 Includes lunch break	Academic Tutoring
	Mathematics Block
	Independent Work Time
1:10-2:10	Related Arts
2:20-3:20	Content Block (Science/Social Studies/Health)

Blended Virtual Schedule: Middle School Example

Sample Middle School Schedule - Grade 7

Time	Fall Semester Courses	Spring Semester Courses
Period 1 (8:00-8:50)	Q1 Physical Education Q2 FACs	Q3 Physical Education Q4 Health
Period 2 (9:00-10:20)	Geography/World Cultures	Life Science
Period 3 (10:30-12:30) Includes lunch break	A Day: Grade 7 ELA (Year-Long)	
	B Day: Grade 7 Math (Year-Long)	
Period 4 (12:30-1:30)	Seminar C Reading/Math Seminar 7	
Period 5 (1:30-2:30)	Fine Arts (Visual Arts, Theater, or General Music)	
After School	Extracurricular Activities at Designated Home School	

Blended Virtual Schedule: High School Example

Sample VLP Middle and High School Schedule (A day/B day)

Minutes	A Day	B Day
15 minutes	Homeroom	Homeroom
80 minutes	Period 1A	Period 1B
5 minutes	Transition	Transition
80 minutes	Period 2A	Period 2B
60 minutes	Lunch	Lunch
80 minutes	Period 3A	Period 3B
5 minutes	Transition	Transition
80 minutes	Period 4A	Period 4B

Individual LSS Asynchronous Virtual Programs

Two Local School Systems plan to host an asynchronous virtual program/school using vendor educators who will be facilitating Maryland-approved vendor content courses.

- Student enrollment levels: 6 – 12th grade or 9 – 12th grade:
 - One LSS program is designed for extenuating circumstances for students who are unable to attend school face-to-face or participate in the blended virtual program for secondary students.
 - One LSS spent school year 2020 – 2021 providing professional learning to acclimate educators in their new learning platform. During school year 2021 – 2022, the LSS will be migrating existing curriculum or creating new curricular resources to their new LMS.

Board of Education

Recommendations for MSDE

MSDE will:

- Monitor the implementation of programs.
- Analyze student performance data.
- Continue development of MSDE online courses.
- Continue to track high course demand requests.
- Provide guidance for cross-district virtual instruction.

Updated as of July 19, 2021							
LSS	Program	Grade Levels	Anticipated Enrollment based on Information provided by LSSs on June 30, 2021	Curriculum	LSS Educators	Criteria for Acceptance	Status
Allegany	Blended Virtual	K- 5	ES - 100 (2.9%)	Own	Yes	academically successful	Met Maryland Virtual Program Standards
	Blended Virtual	6 - 12	MS - 75 (4.0%) HS - 50 (2.1%) Total: 125	Own and vendor	Yes	academically successful	Met Maryland Virtual Program Standards
Anne Arundel	Blended Virtual School with new school number	3- 12	E - 162 (0.4%) MS - 174 (0.9%) HS - 179 (0.7%) Total: 228	ES/ MS- Own HS- Own and MVSLO	Yes	enrollment based on budget limits and a lottery system will be used if needed criteria: physical health of student or family, social/emotional health of student, unique family challenges or circumstances; history of virtual success; expectations of virtual participation	Met Maryland Virtual Program Standards
Baltimore City	Blended Virtual	K-12	ES- 275 (0.8%) MS- 225 (1.3%) HS- 1000 (4.6%) Total 1,500	Own	Yes		Submitted and currently revising
Baltimore County	Blended Virtual	K- 12	ES - 1,270 (2.6%) MS-1,003 (3.9%) HS-1,199 (3.6%) Total: 3,472	Mix of own and approved from the MVSLO list (as needed)	Yes	physical health of student or family, social/emotional health of student, unique family challenges or circumstances; history of virtual success; expectations of virtual participation	Met Maryland Virtual Program Standards
Calvert	Blended Virtual	3-12	ES - 89 (1.4%) MS - 110 (3.0%) HS - 110 (2.2%) Total: 309	Own	Yes	a lottery will be used when the number of students wanting to enroll exceeds the number of seats available at each grade	Met Maryland Virtual Program Standards
Caroline	ESMEC BVP	6- 12	ES - 1 (0%) MS - 8 (0.6%) HS - 7 (0.4%) Total: 16	APEX	No		Met Maryland Virtual Program Standards
Carroll	Blended Virtual	K-5	ES - 33 (.3%)	Own	Yes	Pupil Personnel Workers, school counselors, and administrators will reach out to families of students who are still utilizing virtual learning to let them know the expectation in the fall; only students who will be permitted to participate in virtual learning this fall will be those who have a COVID-19 related medical condition	Met Maryland Virtual Program Standards
	Asynchronous Virtual	6- 12	MS - 16 (.3%) HS - 16 (.2%) Total: 32	Vendor	No	Pupil Personnel Workers, school counselors, and administrators will reach out to families of students who are still utilizing virtual learning to let them know the expectation in the fall; only students who will be permitted to participate in virtual learning this fall will be those who have a COVID-19 related medical condition	Met Maryland Virtual Program Standards
Cecil	Face-to-Face only	K-2					n/a
	Blended Virtual	3-12	ES - 57 (0.9%) MS - 78 (2.2%) HS - 64 (1.4%) Total: 199	Own	Yes	enrollment open in May; set number of enrollments on a first come-first serve basis	Met Maryland Virtual Program Standards
	ESMEC BVP		-	APEX	No		Met Maryland Virtual Program Standards

Updated as of July 19, 2021							
LSS	Program	Grade Levels	Anticipated Enrollment based on Information provided by LSSs on June 30, 2021	Curriculum	LSS Educators	Criteria for Acceptance	Status
Charles	Blended Virtual	9-12	HS -125 (1.4%)	Vendor	yes	overall GPA of 2.0; 15 or less unexcused absences during the 2020-2021 school year and reliable internet services; ideal students for this program are self-motivated and independent learners who may or may not experience school anxiety, require a flexible schedule to meet individual needs or any student who prefers a nontraditional school setting	Met Maryland Virtual Program Standards
Dorchester	ESMEC BVP	6-12	MS - 7 (0.6%) HS- 5 (0.4%) Total: 12	APEX	No		Met Maryland Virtual Program Standards
Frederick	Blended Virtual	K-12	ES - 402 (2.2%) MS - 301 (2.9%) HS - 421 (3.1%) Total: 1,124	Own	Yes		Met Maryland Virtual Program Standards
	Virtual School - blended virtual alternative program	9- 12	part of MVSLO - depends on need each year	Own and Vendor	Yes	continue to operate the Frederick County Virtual School; also offer a virtual blended learning program for select students at the elementary and middle school level	In existence since 2012
Garrett	Not submitting an application at this time as there is no parent/student demand		0			Only a few parents indicated that they would like to at least have an option of virtual learning beginning in September. Almost 100% of those were parents of high school students. When our data collection is complete, we will determine if a virtual option will be available on a very limited basis. It was determined that no virtual option was needed.	n/a
Harford	Blended Virtual at Alternative Ed program	K-12	ES - 215 (1.3%) MS - 190 (2.1%) HS -196 (1.7%) Total: 601	Own/ Vendor	Yes	operating a virtual school for students who wish to pursue the option of virtual learning	Met Maryland Virtual Program Standards
	Secondary Blended Virtual Program from home (eLearning)	6-12		Own	Yes		Met Maryland Virtual Program Standards
	Elementary Blended Virtual Program from home (eLearning)	K-5		Own	Yes		Met Maryland Virtual Program Standards
Howard	Blended Virtual Program	K-6	E - 500 (2.1%) MS -100 (0.7%) HS -150 (0.8%) Total: 600	Own	Yes	open to all K-6 students	Met Maryland Virtual Program Standards
Kent	Blended Virtual Program	6-12	ES, MS, HS - 0	Vendor	Both LSS and vendor		Met Maryland Virtual Program Standards in 2019
	ESMEC	6- 12	-	APEX	No		Met Maryland Virtual Program Standards
Montgomery	Blended Virtual	K-12	ES-967 (1.4%) MS-550 (1.5 %) HS- 680 (1.3%) Total: 2,197	Own	Yes	must be an MCPS resident; must maintain regular attendance and an academic trajectory for promotion to the next grade	Met Maryland Virtual Program Standards

Updated as of July 19, 2021							
LSS	Program	Grade Levels	Anticipated Enrollment based on Information provided by LSSs on June 30, 2021	Curriculum	LSS Educators	Criteria for Acceptance	Status
Prince George's	Blended Virtual	K-5	ES- 700 (1.2%)	Own	Yes	anyone can enroll- applications reviewed by a committee; a review of the students track record of success in digital learning, including attendance; will offer a limited virtual learning experience for no more than 2% of our student population	Met Maryland Virtual Program Standards
	Blended Virtual	6-12	MS- 300 (1.0%) HS 400 (1.1%)	Own and Vendor (MVLO)	Yes - core classes No- Edgenuity courses used	anyone can enroll- applications reviewed by a committee; a review of the students track record of success in digital learning, including attendance; will offer a limited virtual learning experience for no more than 2% of our student population	Met Maryland Virtual Program Standards
Queen Anne's	ESMEC BVP	6-12	MS - 16 (0.9%) HS - 16 (0.7%) Total: 32	APEX	No		Met Maryland Virtual Program Standards
Somerset	ESMEC BVP	6-12	HS- 10 (1.3%)	APEX	No	Grades 9 - 12 - Can apply for ESMEC BVP; do not anticipate more than 30 applications, with less than half approved as feel virtual is appropriate for very few students and they need to be back face to face as much as possible.	Met Maryland Virtual Program Standards
St. Mary's	Blended Virtual	K-12	E - 55 (.7%) MS - 78 (1.9%) HS - 95 (1.8%) Total: 228	K-2 Own 3-12 Own and vendor	Yes	placement determined by grade level and in conjunction with parents and LSS staff to meet student needs, family support, etc	Met Maryland Virtual Program Standards
	Virtual Synchronous	K-12		K-2 Own 3-12 Own and vendor	Yes	placement determined by grade level and in conjunction with parents and LSS staff to meet student needs, family support, etc	Met Maryland Virtual Program Standards
	Virtual Asynchronous	9- 12		Vendor	No- Vendor	placement determined by grade level and in conjunction with parents and LSS staff to meet student needs, family support, etc	Met Maryland Virtual Program Standards
Talbot	ESMEC	6-12	E - 15 (0.8%) MS - 35 (3.4%) HS - 20 (1.4%) Total ESMEC: 55	APEX	No		Met Maryland Virtual Program Standards
Washington	Blended Virtual	K-12	ES - 125 (1.4%) MS - 100 (1.9%) HS - 125 (1.8%) Total: 350	Own, Vendor, and approved MVSLO	Yes	open to all students but must agree to requirements and to fully participate	Met Maryland Virtual Program Standards
Wicomico	Blended Virtual	1-5	ES - 75 (1.2%)		Yes	planning for a Blended Virtual Learning Program to assist in bringing some of our home school students back into the school system, and at the same time meet the needs of any student/family who may have some medical concerns or who met with success during virtual learning	Submitted and currently revising
	ESMEC	6-12	MS - 66 (2.0%) HS - 73 (1.8%) Total: 139	APEX	No	very small percentage of students who will be admitted on a case-by-case basis; admitted middle school students will be part of the ESMEC program which has already received approval	Met Maryland Virtual Program Standards
Worcester	Blended Virtual	K- 5	ES - 18 (0.7%)	Own	Yes	must live within Worcester County unless guest from other LSS that is submitted to Worcester by the student's LSS	Met Maryland Virtual Program Standards
	ESMEC	6-12	MS - 21 (1.4%) HS - 24 (1.2%) Total: 45	APEX	No		Met Maryland Virtual Program Standards

Updated as of July 19, 2021							
LSS	Program	Grade Levels	Anticipated Enrollment based on Information provided by LSSs on June 30, 2021	Curriculum	LSS Educators	Criteria for Acceptance	Status
ESMEC	Blended Virtual Program	6-12	Numbers reflected in LSS data	APEX	No	each LSS determines their own criteria for application selection	Met Maryland Virtual Program Standards



Karen B. Salmon, Ph.D.
State Superintendent of Schools

Local School System Request for Blended Virtual Program

Date: _____

Val Emrich (valerie.emrich@maryland.gov)
Director of Instructional Technology
Maryland State Department of Education (MSDE)
200 West Baltimore Street
Baltimore, MD 21201

Dear Ms. Emrich:

_____ (School System) requests approval to develop and implement a blended virtual program within the school system based on the qualifications outlined in Maryland Education Code Annotation 7-1401 et seq. The blended virtual program proposal is attached.

School System Superintendent Signature: _____ Date: _____

Virtual Program Administrator: _____ Date: _____

I approve this proposal:

State Deputy Superintendent Signature: _____ Date: _____

Due date: July 15, 2021

C: Shane McCormick
Kim Bellinger

Blended Virtual Program Proposal Checklist

Blended Virtual Program: combination of asynchronous and scheduled synchronous teaching and learning provided by an LSS

Virtual School: asynchronous learning that includes minimal synchronous interaction, usually requested by student or parent.

		Corresponding Page Number(s)
<input type="checkbox"/>	Submit a completed request form and a proposal to MSDE's Director of Instructional Technology for approval (7-1402).	
<input type="checkbox"/>	Blended Virtual Program Proposal must include the following provisions for each enrolled student: a) Access to a sequential curriculum approved by the State Board that meets or exceeds school system standards (7-1403). i. An annually updated list of student courses that are being offered (7-1402). ii. All credit bearing asynchronous (online) courses must be listed in the State database of approved courses. b) A set length of time for learning opportunities per academic year that is required for public school students, unless the virtual program can show that the student demonstrated mastery or satisfactory completion of coursework (7-1403).	
<input type="checkbox"/>	c) Regular assessments in core areas of instruction (7-1403).	
<input type="checkbox"/>	d) Adopted curriculum shall include online interactive program components (7-1403).	
<input type="checkbox"/>	e) A plan that includes the assignment of a local system educator(s) certified in the content area(s) to facilitate synchronous lessons to individual students or groups of students. who will: i. provide instruction at a minimum of one time per week (minimum of 20% of instructional time) to students through face-to-face or synchronous virtual sessions, ii. communicate as needed with all other stakeholders (Director of Program, parents, school administrator, or counselors, etc.), iii. assist with time management, iv. troubleshoot technical issues in collaboration with local school system technical supports, v. gather required materials of instruction, vi. proctor exams, vii. report grades and keep attendance records, and viii. arrange for tutoring (if necessary).	

<input type="checkbox"/>	f) Enrollment procedures and processes (7-1402).	
<input type="checkbox"/>	g) A process to provide the following items to parents and/or guardians (7-1404): i. instructional materials, including software, and ii. information on the closest public facilities that offer access to computers, printers, and Internet connection.	
<input type="checkbox"/>	h) Assurance that all facilitators employed by the blended virtual program are Maryland certified teachers and if facilitating online asynchronous courses meet MSDE online facilitator requirements (7-1402, 7-1405).	
<input type="checkbox"/>	i) Identify the location of the administrative offices (7-1406).	
<input type="checkbox"/>	j) Include a financial sustainability plan to support the blended virtual program (7-1407).	
<input type="checkbox"/>	k) Provide the method that will be used to gather data for the yearly evaluation plan and report (7-1407). i. Demonstrate increases in student achievement according to county and State academic standards. ii. Accountability and viability demonstrated through academic, fiscal, and operational performance.	
<input type="checkbox"/>	l) Set a timeline for the submission of an annual evaluation plan and report.	
<input type="checkbox"/>	m) Comply with IDEFA required services and interventions.	

Universal Citation: [MD Educ Code § 7-1402 \(2018\)](#)

- (a) In general. -- Subject to the approval of the Department, a county board may establish a virtual school.
- (b) Subject to federal and State laws and regulations. -- A virtual school is subject to all applicable federal and State laws and regulations governing the operation of a public school.
- (c) Eligibility. -- A student who is eligible for enrollment in a public school in the State may enroll in a virtual school.

Universal Citation: [MD Educ Code § 7-1403 \(2018\)](#)

- (a) In general. -- A virtual school shall provide each enrolled student:
 - (1) Access to a sequential curriculum approved by the State Board that meets or exceeds the standards adopted by the county board in the county of the virtual school's principal place of business;
 - (2) The same length of time for learning opportunities per academic year that is required for public school students, unless the virtual school can show that a student has demonstrated mastery or completion of the subject area; and
 - (3) Regular assessment in the core areas of instruction as required by regulations adopted by the State Board under § 7-1408 of this subtitle.
- (b) Requirements for curriculum. -- A curriculum adopted under subsection (a) of this section shall have an interactive program with significant online components.

Universal Citation: [MD Educ Code § 7-1404 \(2018\)](#)

- (a) Information to parent or guardian. -- A virtual school shall provide to the parent or guardian of each enrolled student:
 - (1) Instructional materials, including software; and
 - (2) Information on the closest public facility that offers access to a computer, printer, and Internet connection.
- (b) Funding not provided; exception. -- A virtual school may not provide funds for the purchase of instructional programs or materials to a student or to a student's parent or guardian.

Universal Citation: [MD Educ Code § 7-1405 \(2018\)](#)

- A teacher employed by a virtual school shall have a teacher's certificate issued by the State Superintendent under Title 6 of this article.

Universal Citation: [MD Educ Code § 7-1406 \(2018\)](#)

- A virtual school shall maintain an administrative office in the State that shall be considered its principal place of business.

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Universal Citation: [MD Educ Code § 7-1407 \(2018\)](#)

A virtual school shall be evaluated each year by its sponsor based on the following criteria:

- (1) The extent to which the school demonstrates increases in student achievement according to county and State academic standards; and
- (2) The accountability and viability of the virtual school, as demonstrated by its academic, fiscal, and operational performance.

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Universal Citation: [MD Educ Code § 7-1408 \(2018\)](#)

- The State Board shall adopt regulations to carry out the provisions of this subtitle, including establishing minimum criteria for the establishment and approval of a virtual school.

Approved Student Online Courses for SY 2021-2022

The Maryland State Department of Education (MSDE) provides local school systems with an approved list of online credit-bearing student courses along with their respective course provider. These courses have been reviewed by MSDE or by an MSDE approved third party reviewing company as aligned with Maryland Content Standards.

From this approved list, each school system has the authority to make curriculum decisions related to:

- online policies based on need and allocated funding,
- the selection of course content areas, and
- which, if any, of the listed courses and respective course providers they will offer to students.

To ensure appropriate placement and awarding of course credit, students participation must be approved by their local school system prior to enrollment. Parents/guardians and students should consult the student's assigned school counselor. Schools should contact the school system's Online Point of Contact for guidance. Credit will not be awarded for online student courses if the local school system has not provided approval for course enrollment.

IMPORTANT: Course approvals are only for those listed from the *identified* providers. There is *no general approval* of either course titles or vendors, except as specified.

Courses	Approved Course Providers				
Accounting A/B	Edmentum				
Accounting I	POBL				
Accounting II	POBL				
ACT English Prep	Edmentum				
ACT Mathematics Prep	Edmentum				
ACT Reading Prep	Edmentum				
Advanced Computer Science A	Edmentum				
African American History	POBL				
African American Studies	Edmentum				
Algebra 1	Florida Virtual School	POBL		APEX	Edmentum

Updated 7/2/2021

Courses	Approved Course Providers			
Algebra I (cont.)	Founders Education	Odysseyware	Edgenuity	
Algebra 1 – HONORS	POBL	APEX	Edgenuity	
Algebra 2	Florida Virtual School	Edmentum	POBL	APEX
Algebra 2 (cont.)	Founders Education	Odysseyware	Edgenuity	
Algebra 2 – HONORS	POBL	APEX	Edgenuity	
Algebra with Finance	POBL			
American Government	POBL	APEX		
American Government- HONORS	POBL			
American Literature	Founders Education			
Anatomy and Physiology	POBL			
AP Art History	Florida Virtual School	POBL	Founders Education	
AP Biology	APEX	Edmentum	Florida Virtual School	POBL
AP Biology (cont.)	Founders Education	CTY-JHU		
AP Calculus AB	Florida Virtual School	POBL	Edmentum	APEX
AP Calculus AB (cont.)	Founders Education	CTY-JHU	Edgenuity	
AP Calculus BC	POBL	Fuel Education	Florida Virtual School	CTY-JHU
AP Chemistry	APEX	Edmentum	CTY-JHU	
AP Chinese Language and Culture	Proximity Learning	CTY-JHU		
AP Computer Science A	Florida Virtual School	POBL	Founders Education	CTY-JHU
AP Computer Science A	Edmentum			
AP English Language and Comp	Florida Virtual School	POBL	APEX	CTY-JHU
AP English Language and Comp (cont)	Edgenuity			
AP English Literature and Comp	Florida Virtual School	Edmentum	POBL	Founders Education
AP English Lit and Comp (cont.)	APEX	Edgenuity		
AP Environmental Science	POBL	Florida Virtual School	APEX	Edgenuity
AP French Language and Culture	Edmentum	Edgenuity		
AP Human Geography	Founders Education	POBL	Edgenuity	
AP Italian Language and Culture	ICoN Consortium			
AP Macroeconomics	Florida Virtual School	POBL	Founders Education	APEX

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Courses	Approved Course Providers			
AP Macroeconomics (cont.)	CTY-JHU			
AP Microeconomics	Florida Virtual School	POBL	Founders Education	APEX
AP Microeconomics (cont.)	CTY-JHU			
AP Physics I	Proximity Learning	CTY-JHU		
AP Physics 2	CTY-JHU			
AP Psychology	POBL	APEX	Florida Virtual School	CTY-JHU
AP Psychology (cont.)	Edgenuity			
AP Spanish Language and Culture	APEX	Edmentum	POBL	CTY-JHU
AP Spanish Language and Culture (Cont.)	Edgenuity			
AP Spanish Literature and Culture	CTY-JHU			
AP Statistics	POBL	Florida Virtual School	Founders Education	APEX
AP Statistics (cont.)	CTY-JHU			
AP US Government and Politics	APEX	POBL	Florida Virtual School	Founders Education
AP US Government and Politics (cont)	CTY-JHU	Edgenuity		
AP US History	Founders Education	Edmentum	POBL	APEX
AP US History (cont)	Florida Virtual School	CTY-JHU	Edgenuity	
AP World History	Edgenuity	Edgenuity		
AP World History: Modern	CTY-JHU			
Art History and Appreciation	Edmentum			
Artificial Intelligence	Edmentum			
Audio Video Production (1,2,and 3)	Edmentum			
Biology	POBL	Edmentum	Founders Education	Odysseyware
Biology (cont.)	Edgenuity			
Biology – HONORS	POBL	Edgenuity		
British Literature	Founders Education			
Business Communications	POBL			
Business Information Management	Edmentum			
Business Information Systems	POBL			

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Courses	Approved Course Providers			
Business Law	POBL			
Business Math	POBL			
Calculus	POBL			
Calculus- HONORS	Florida Virtual School			
Career Planning and Skill Dev.	POBL			
Chemistry	POBL	Edmentum	Founders Education	Odysseyware
Chemistry (cont.)	Edgenuity			
Chemistry- Maryland	APEX			
Chemistry- HONORS	POBL	Edgenuity		
Chemistry in the Earth System	APEX			
Child Development and Parenting	Edmentum			
Chinese 1	Florida Virtual School	POBL		
Chinese 2	Florida Virtual School	POBL		
Chinese 3	Florida Virtual School	POBL		
College and Career Prep	APEX			
College Prep with ACT	POBL			
College Prep with SAT	POBL			
Computer Programming I	Edmentum			
Computing for College and Careers	Edmentum			
Concepts of Tech and Engineering	POBL			
Consumer Math A/B	POBL			
Contemporary Health- MD	Edgenuity			
Creative Writing	Edmentum	APEX		
Criminal Investigation	POBL			
Culinary Arts	Edmentum			
Developmental Writing	POBL			
Digital and Interactive Media	Edmentum			

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Courses	Approved Course Providers			
Digital Photography	POBL			
Digital Photography II A/B	POBL			
Earth Science	POBL			
Earth Space Science	POBL	Edmentum	Founders Education	
Earth Space Science- MD	Edgenuity			
Earth Space Science-HONORS	POBL			
Economics	POBL			
Electronic Communication Skills	Edmentum			
English 1	Odysseyware			
English 2	Florida Virtual School	Odysseyware		
English 3	Florida Virtual School	Odysseyware		
English 4	Florida Virtual School	Odysseyware		
English 9	POBL	Edmentum (MD version)	APEX	Edgenuity
English 9 HONORS	POBL	APEX	Edgenuity	
English 10	POBL	Edmentum	APEX	Edgenuity
English 10 HONORS	POBL	APEX	Edgenuity	
English 11	POBL	Edmentum	APEX	Edgenuity
English 11 HONORS	POBL	APEX	Edgenuity	
English 12	POBL	Edmentum (MD version)	APEX	Edgenuity
English 12- Honors	POBL	APEX	Edgenuity	
Entrepreneurship A/B	Edmentum			
Entrepreneurship: Owning your Own Business	POBL			
Environmental Science	Edmentum	POBL	Founders Education	Edgenuity
Environmental Science (cont.)	APEX			
Financial Literacy	MSDE			
Financial Mathematics	Edmentum			
Foundations of Programming	Florida Virtual School			

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Courses	Approved Course Providers			
Foundations of Technology	MSDE			
French 1	POBL	Florida Virtual School	Edgenuity	Edmentum
French 2	POBL	Florida Virtual School	Edmentum	Edgenuity
French 3	Edgenuity			
Fundamentals of Art	POBL			
Game Design	POBL			
Geometry	POBL	Edmentum	Florida Virtual School	APEX
Geometry (cont.)	Founders Education	Odysseyware	Edgenuity	
Geometry - HONORS	POBL	Edgenuity		
German 1	POBL	Edmentum		
German 2	POBL	Edmentum		
Government	Edgenuity			
Graphic Design and Illustration	Edmentum			
Health	Edmentum	Founders Education		
Health, Fitness, and Nutrition A/B	POBL			
Health Opportunities through Physical Education	POBL			
Health, Safety, and Nutrition	POBL			
Health Science I	Edmentum			
Health Science II	Edmentum			
Holocaust Studies	Edmentum			
Human Resource Management	POBL			
Integrated Math 1	Edmentum			
Integrated Math 2	Edmentum			
Integrated Math 3	Edmentum			
International Business	POBL	Edmentum		
Introduction to Android App Development	Edmentum			

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Courses	Approved Course Providers			
Introduction to Anthropology	Edmentum			
Introduction to Archaeology	Edmentum			
Introduction to Astronomy	Edmentum	POBL		
Introduction to Business	POBL			
Introduction to Communication	POBL			
Introduction to Computer Applications	POBL			
Introduction to Criminal Justice	POBL			
Introduction to Cyber Security	Edmentum			
Introduction to Drawing	POBL			
Introduction to Early Childhood Education	POBL			
Introduction to Finance	Edmentum	POBL		
Introduction to Forensic Science	Edmentum			
Introduction to Grammar and Composition	POBL			
Introduction to Graphic Design	POBL			
Introduction to Homeland Security	POBL			
Introduction to iOS Mobile App Dev	Edmentum			
Introduction to Law	POBL			
Introduction to Literature	Founders Education			
Introduction to Manufacturing	POBL			
Introduction to Medical Assisting	POBL			
Introduction to Military Careers	Edmentum			
Introduction to Online Learning HS	POBL			
Introduction to Paralegal Profession	POBL			
Introduction to Psychology	POBL			
Introduction to Sociology	POBL			
Introduction to Visual Arts	Edmentum			

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Courses	Approved Course Providers			
Introduction to Women’s Studies	POBL			
Introduction to World Religion	Edmentum			
Java Programming I	POBL			
Java Programming II	POBL			
Journalism	Florida Virtual School	POBL		
Latin 1	Florida Virtual School	POBL		
Latin 2	Florida Virtual School	POBL		
Latin 3	Florida Virtual School			
Leadership and Supervision in Business	POBL			
Life Science	Edmentum			
Literature	Founders Education			
Living Music I (.5 credit- 1 sem)	POBL			
Living Music II (.5 credit- 1 sem)	POBL			
Marketing, Advertising, and Sales	Edmentum			
Mathematics I	Edgenuity			
Mathematics II	Edgenuity			
Mathematics III	Edgenuity			
Medical Law and Ethics	POBL			
Medical Terminology	POBL	Edmentum		
Modern World History –MD	APEX	Founders Education	Edgenuity	
Music Appreciation	Edmentum	APEX		
Nutrition and Wellness	Edmentum			
Personal Finance	POBL	Edmentum		
Personal Fitness	POBL			
Philosophy	Edmentum			
Physical Education	Edmentum	Founders Education		
Physical Science	Edmentum	POBL	Founders Education	

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Courses	Approved Course Providers			
Physics	POBL	Founders Education	Odysseyware	Edgenuity
Physics (cont.)	APEX			
Physics – Honors	Edgenuity			
Physics of the Universe	APEX			
Pre-Algebra	Florida Virtual School	Founders Education	Edgenuity	
Pre-Calculus	Edmentum	POBL	Odysseyware	Edgenuity
Pre-Calculus HONORS	POBL			
Principles of Agriculture, Food, and Natural Resources	Edmentum			
Principles of Art, A/V Technology, and Communications	Edmentum			
Principles of Business Marketing and Finance	Edmentum			
Principles of Education and Training	Edmentum			
Principles of Engineering and Technology A/B	Edmentum			
Principles of Government and Public Administration A/B	Edmentum			
Principles of Hospitality and Tourism A/B	Edmentum			
Principles of Human Service A/B	Edmentum			
Principles of Information Tech.	Edmentum			
Principles of Law, Public Safety, Corrections, and Security A/B	Edmentum			
Principles of Management	POBL			
Principles of Manufacturing A/B	Edmentum			
Principles of Transportation, Distribution, and Logistics A/B	Edmentum			
Probability and Statistics	Florida Virtual School	Edmentum	APEX	
Procedural Programming	Florida Virtual School			

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Courses	Approved Course Providers			
Professional Communications	Edmentum			
Professional Photography A/B	Edmentum			
Psychology	POBL	Edgenuity		
Psychology A (one semester course .5 credit)	Edmentum			
Psychology B (one semester course .5 credit)	Edmentum			
Public Speaking	POBL			
Robotics I	Edmentum			
SAT Mathematics Prep	Edmentum			
SAT Reading Prep	Edmentum			
SAT Writing and Language Prep	Edmentum			
Sign Language 1	POBL			
Sign Language 2	POBL			
Sociology	Edmentum			
Spanish 1	POBL	Florida Virtual School	Founders Education	Edmentum
Spanish 1 (cont.)	Edgenuity			
Spanish 2	POBL	Founders Education	Edmentum	Edgenuity
Spanish 3	Florida Virtual School	POBL	Edmentum	
Speech and Debate	POBL			
Sports and Entertainment Marketing	Edmentum			
Statistics A/B	POBL	Edgenuity		
The Living Earth	APEX			
Theatre, Cinema, and Film Production	Edmentum			
US Government	Florida Virtual School	Edmentum	Founders Education	
US History	POBL	Edmentum	Florida Virtual School	Founders Education
US History (cont.)	Edgenuity			
US History HONORS	POBL			
US History Reconstruction to Present	Odysseyware			

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Courses	Approved Course Providers			
US History Since the Civil War	APEX			
Web Design I	POBL			
Web Technologies A/B	Edmentum			
Women's Studies	Edmentum			
World Geography	Edmentum			
World History	POBL	Florida Virtual School		
World History HONORS	POBL			
World History Survey A/B	Edmentum			

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Key:

- POBL= Pearson Online and Blended Learning