

# Virtual Learning Academy

K - 12  
**Course  
Catalog**  
2023-2024





English Language Arts			
Grade Level (Course)	Course Number	Course Name	EMIS Code
Kindergarten	ELA00	ELA English K	050152
1st Grade	ELA01	ELA English 110	050152
2nd Grade	ELA02	ELA English 120	050152
3rd Grade	ELA03	ELA English 130	050152
4th Grade	ELA04	ELA English 140	050154
5th Grade	ELA05	ELA English 150	050154
6th Grade	ELA06	ELA English 160	050154
7th Grade	ELA07	ELA English 170	050156
8th Grade	ELA08	ELA English 180	050156
9th Grade	ELA09	ELA English 9	050160
<i>Credit Recovery</i>	ELACR09	ELACR English 9	050160
<i>Modified</i>	ELAM09	ELAM English 9	050160
<i>Spanish Version</i>	ELAS09	ELAS English 9	050160
10th Grade	ELA10	ELA English 10	050160
<i>Credit Recovery</i>	ELACR10	ELACR English 10	050170
<i>Modified</i>	ELAM10	ELAM English 10	050170
<i>Spanish Version</i>	ELAS10	ELAS English 10	050170
<i>Remedial</i>	ELAREII	ELA Remedial English II	050170
11th Grade	ELA11	ELA English 11	050180
<i>Credit Recovery</i>	ELACR11	ELACR English 11	050180
<i>Modified</i>	ELAM11	ELAM English 11	050180
<i>Spanish Version</i>	ELAS11	ELAS English 11	050180
12th Grade	ELA12	ELA English 12	050190
<i>Credit Recovery</i>	ELACR12	ELACR English 12	050190
<i>Modified</i>	ELAM12	ELAM English 12	050190
<i>Spanish Version</i>	ELAS12	ELAS English 12	050190
<i>Practical English</i>	ELAP	ELAP Practical English	050190
<b>High School Electives</b>			
Short Stories Part 1	ELASSI	ELA Short Stories I	059999
<i>Credit Recovery</i>	ELACRSSI	ELACR Short Stories I	059999
Short Stories Part 2	ELASSII	ELA Short Stories II	059999
Greek Mythology	ELAGM	ELA Greek Mythology	059999
Roman Mythology	ELARM	ELA Roman Mythology	059999
Poetry	ELAP	ELA Poetry	059999
<b>To include only the semester course, append either A or B at the end of the course number and name (include parentheses). See example below:</b>			
<b>Grade Level</b>	<b>Course Number</b>	<b>Course Name</b>	
9th grade - Semester One	ELA09A	ELA English 9 (A)	





<b>MATH</b>			
Grade Level (Course)	Course Number	Course Name	EMIS Code
Kindergarten	MATH00	MATH Math K	110003
1st Grade	MATH01	MATH Math 110	110003
2nd Grade	MATH02	MATH Math 120	110003
3rd Grade	MATH03	MATH Math 130	110003
4th Grade	MATH04	MATH Math 140	110150
5th Grade	MATH05	MATH Math 150	110150
6th Grade	MATH06	MATH Math 160	110150
7th Grade	MATH07	MATH Math 170	110175
8th Grade	MATH08	MATH Math 180	110175
<b>Algebra I</b>	<b>MATHAI</b>	<b>MATH Algebra I</b>	<b>110301</b>
<i>Credit Recovery</i>	MATHCRAI	MATHCR Algebra I	110301
<i>Modified</i>	MATHMAI	MATHM Algebra I	110301
<i>Spanish Version</i>	MATHS09	MATHS Math 9	110301
<i>Foundations</i>	MATHFAI	MATHF Foundations of Algebra	110301
<i>College Prep</i>	MATHCPAI	MATHCP Algebra I	110301
<i>Remedial</i>	MATHRAI	MATHR Algebra I	110301
<b>Integrated Math I</b>	<b>MATHIMI</b>	<b>MATH Integrated Math I</b>	<b>110010</b>
<b>Geometry</b>	<b>MATHG</b>	<b>MATH Geometry</b>	<b>111200</b>
<i>Credit Recovery</i>	MATHCRG	MATHCR Geometry	111200
<i>Modified</i>	MATHMG	MATHM Geometry	111200
<i>Spanish Version</i>	MATHS10	MATHS Math 10	111200
<i>Spanish Version</i>	MATHSG	MATHS Geometry	111200
<i>College Prep</i>	MATHCPG	MATHCP Geometry	111200
<b>Integrated Math II</b>	<b>MATHIMII</b>	<b>MATH Integrated Math II</b>	<b>110020</b>
<i>Credit Recovery</i>	MATHCRIMII	MATHCR Integrated Math II	110020
<b>Algebra II</b>	<b>MATHAII</b>	<b>MATH Algebra II</b>	<b>110302</b>
<i>Credit Recovery</i>	MATHCRAII	MATHCR Algebra II	110302
<i>Modified</i>	MATHMAII	MATHM Algebra II	110302
<i>Spanish Version</i>	MATHS11	MATHS Math 11	110302
<i>College Prep</i>	MATHCPAII	MATHCP Algebra II	110302
<b>Data Science Foundation</b>	<b>MATHDSF</b>	<b>MATH Data Science Foundation</b>	<b>119980</b>
<b>Integrated Math III</b>	<b>MATHIMIII</b>	<b>MATH Integrated Math III</b>	<b>110030</b>
<i>Credit Recovery</i>	MATHCRIMIII	MATHCR Integrated Math III	110030
<b>High School 4th Year Math Credit</b>			
<b>Modeling &amp; Reasoning</b>	<b>MATHMR</b>	<b>MATH Modeling &amp; Reasoning</b>	<b>111350</b>
<b>Advanced Math</b>	<b>MATHAM</b>	<b>MATH Advanced Math</b>	<b>110099</b>
<b>Calculus</b>	<b>MATHC</b>	<b>MATH Calculus</b>	<b>110099</b>
<i>Modified Consumer Math</i>	MATHMCM	MATHM Consumer Math	110099
<i>Spanish Version</i>	MATHS12	MATHS Math 12	119999
<b>Business Math - Part 1</b>	<b>MATHBMI</b>	<b>MATH Business Math I</b>	<b>110099</b>
<i>Credit Recovery</i>	MATHCRBMI	MATHCR Business Math I	110099
<b>Business Math - Part 2</b>	<b>MATHBMII</b>	<b>MATH Business Math II</b>	<b>110099</b>
<i>Credit Recovery</i>	MATHCRBMII	MATHCR Business Math II	110099
<b>Intervention Math</b>	<b>MATHIM</b>	<b>Math Intervention Math</b>	<b>111950</b>
<i>Credit Recovery</i>	MATHCRIM	MATHCR Intervention Math	111950
<b>Applications of Math</b>	<b>MATHAPPM</b>	<b>MATH Applications of Math</b>	<b>119999</b>
<i>Credit Recovery</i>	MATHCRAPPM	MATHCR Applications of Math	119999
<b>To include only the semester course, append either A or B at the end of the course number and name (include parentheses). See example below:</b>			
<b>Grade Level</b>	<b>Course Number</b>	<b>Course Name</b>	
Algebra I - CR - Semester Two	MATHCRAIB	MATHCR Algebra I (B)	





<b>Science</b>			
Grade Level (Course)	Course Number	Course Name	EMIS Code
Kindergarten	SCI00	SCI Science K	132110
1st Grade	SCI01	SCI Science 110	132110
2nd Grade	SCIO2	SCI Science 120	132110
3rd Grade	SCI03	SCI Science 130	132110
4th Grade	SCIO4	SCI Science 140	132120
5th Grade	SCI05	SCI Science 150	132120
6th Grade	SCI06	SCI Science 160	132120
7th Grade	SCI07	SCI Science 170	132130
8th Grade	SCI08	SCI Science 180	132130
Physical Science	SCIPS	SCI Physical Science	132220
<i>Credit Recovery</i>	SCICRPS	SCICR Physical Science	132220
<i>Modified</i>	SCIMPS	SCIM Physical Science	132220
<i>Spanish Version</i>	SCISPS	SCIS Physical Science	132220
Biology	SCIB	SCI Biology	132330
<i>Credit Recovery</i>	SCICRB	SCICR Biology	132330
<i>Modified</i>	SCIMB	SCIM Biology	132330
<i>Spanish Version</i>	SCISB	SCIS Biology	132330
<i>College Prep</i>	SCICPB	SCICP Biology	132330
Chemistry	SCIC	SCI Chemistry	130301
<i>Credit Recovery</i>	SCICRC	SCICR Chemistry	130301
<i>Modified</i>	SCIMC	SCIM Chemistry	130301
Environmental Science	SCIES	SCI Environmental Science	132350
<i>Credit Recovery</i>	SCIERES	SCICR Environmental Science	132350
<i>Modified</i>	SCIMES	SCIM Environmental Science	132350
<i>Spanish Version</i>	SCISES	SCIS Environmental Science	132350
<b>High School Electives</b>			
Forensics - Part 1	SCIFI	SCI Pathway to Forensic Science (I)	139997
<i>Credit Recovery</i>	SCICRFI	SCICR Pathway to Forensic Science (I)	139997
Forensics - Part 2	SCIFII	SCI Forensic Science (II)	139997
<i>Credit Recovery</i>	SCICRFII	SCICR Forensic Science (II)	139997
<i>Spanish Version</i>	SCISFS	SCIS Forensic Science	139997
Marine Biology	SCIMAR	SCI Marine Biology	139998
<i>Credit Recovery</i>	SCICRMB	SCICR Marine Biology	139998
Medical Terminology	SCIMT	SCI Medical Terminology	131050
<i>Credit Recovery</i>	SCICRMT	SCICR Medical Terminology	131050
<i>Spanish Version</i>	SCISG	SCIS Geology	134250
Physics	SCIP	SCI Physics	130302
<b>To include only the semester course, append either A or B at the end of the course number and name (include parentheses). See example below:</b>			
Grade Level	Course Number	Course Name	
Physical Science - Semester One	SCIPSA	SCI Physical Science (A)	





<b>Social Studies</b>			
Grade Level (Course)	Course Number	Course Name	EMIS Code
<b>Kindergarten</b>	SS00	SS Social Studies K	151209
<b>1st Grade</b>	SS01	SS Social Studies 110	151209
<b>2nd Grade</b>	SS02	SS Social Studies 120	151209
<b>3rd Grade</b>	SS03	SS Social Studies 130	151209
<b>4th Grade</b>	SS04	SS Social Studies 140	151210
<b>5th Grade</b>	SS05	SS Social Studies 150	151210
<b>6th Grade</b>	SS06	SS Social Studies 160	151210
<b>7th Grade</b>	SS07	SS Social Studies 170	151201
<b>8th Grade</b>	SS08	SS Social Studies 180	151201
<b>American History</b>	SSAH	SS American History	150810
<i>Credit Recovery</i>	SSCRAH	SSCR American History	150810
<i>Modified</i>	SSMAH	SSM American History	150810
<i>Spanish Version</i>	SSSAH	SSS American History	150810
<b>American Government I</b>	SSAGI	SS American Government (I)	150300
<i>Credit Recovery</i>	SSCRAGI	SSCR American Government (I)	150300
<i>Modified</i>	SSMAG	SSM American Government	150300
<i>Spanish Version</i>	SSSAG	SSS American Government	150300
<b>Government &amp; Politics II</b>	SSGPII	SS Government & Politics (II)	150300
<i>Credit Recovery</i>	SSCRGPII	SSCR Government & Politics (II)	150300
<b>World History</b>	SSWH	SS World History	150890
<i>Credit Recovery</i>	SSCRWH	SSCR World History	150890
<i>Modified</i>	SSMWH	SSM World History	150890
<i>Spanish Version</i>	SSSWH	SSS World History	150890
<b>High School Electives</b>			
<b>Economics</b>	SSE	SS Economics	150600
<i>Credit Recovery</i>	SSCRE	SSCR Economics	150600
<i>Modified</i>	SSME	SSM Economics	150600
<i>Spanish Version</i>	SSSE	SSS Economics	150600
<b>Financial Literacy</b>	SSFL	SS Financial Literacy	153001
<i>Credit Recovery</i>	SSCRFL	SSCR Financial Literacy	153001
<i>Modified</i>	SSMFL	SSM Financial Literacy	153001
<i>Spanish Version</i>	SSSFL	SSS Financial Literacy	153001
<b>Personal Finance</b>	SSPF	SS Personal Finance	153001
<i>Credit Recovery</i>	SSCRPF	SSCR Personal Finance	153001
<b>Geography</b>	SSG	SS Geography	150700
<i>Credit Recovery</i>	SSCRG	SSCR Geography	150700
<i>Spanish Version</i>	SSSG	SSS Geography	150700
<b>Psychology</b>	SSP	SS Psychology	151121
<i>Credit Recovery</i>	SSCRP	SSCR Psychology	151121
<b>Sociology</b>	SSS	SS Sociology	151300
<i>Credit Recovery</i>	SSCRS	SSCR Sociology	151300
<i>Spanish Version</i>	SSSSL	SSS Student Leadership	159999
<b>Current Events Fall 2023</b>	SSCEF23	SS Current Events Fall 23	159999
<b>Current Events Spring 2024</b>	SSCES24	SS Current Events Spring 24	159999
<b>To include only the semester course, append either A or B at the end of the course number and name (include parentheses). See example below:</b>			
Grade Level	Course Number	Course Name	
American History - Semester Two	SSAHB	SS American History (B)	





### Applied Educational Systems

Grade Level (Course)	Course Number	Course Name	EMIS Code
Accounting	AESA	AES Accounting	030100
Business Communication	AESBC	AES Business Communication	030600
Banking & Finance	AESBF	AES Banking & Finance	030100
Business Law	AESBL	AES Business Law	030900
Coding Basics	AESCB	AES Coding Basics	299999
Career Development	AESCD	AES Career Development	030010
Coding Fundamentals	AESCF	AES Coding Fundamentals	290200
Communications I	AESCRCI	AESCR Communications I	050545
Customer Service	AESCS	AES Customer Service	032800
Computing Systems	AESCSY	AES Computing Systems	031700
Critical Thinking	AESCT	AES Critical Thinking	300010
Entrepreneurship	AESE	AES Entrepreneurship	141030
Google	AESG	AES Google	036000
Google Docs	AESGD	AES Google Docs	036000
Google Forms	AESGF	AES Google Forms	036000
Google Sheets	AESGS	AES Google Sheets	036000
Google Slides	AESGSL	AES Google Slides	036000
International Business	AESIB	AES International Business	032300
Job Seeking Skills	AESJSS	AES Job Seeking Skills	030100
Keyboarding	AESK	AES Keyboarding	299999
Management	AESM	AES Management	032300
Marketing	AESMK	AES Marketing	032300
Microsoft Office	AESMO	AES Microsoft Office	036000
Professionalism	AESP	AES Professionalism	032800
Public Speaking	AESPS	AES Public Speaking	050545
Public Speaking & Social Comm.	AESPSSC	AES Public Speaking & Social Comm.	050545
Social Communication	AESSC	AES Social Communication	050545
Written Communication	AESWC	AES Written Communication	050545
Web Research	AESWR	AES Web Research	290130
AES Economics	SSAESECON	SS AES Economics	150600





### Career Training

Grade Level (Course)	Course Number	Course Name	EMIS Code
Agriculture	CTA	CT Agriculture	<b>300010</b>
Business Administration	CTBA	CT Business Administration	<b>030500</b>
Career Exploration	CTCE	CT Career Exploration	<b>300010</b>
<i>Credit Recovery</i>	<b>CTCRCE</b>	<b>CTCR Career Exploration</b>	<b>300010</b>
Career Planing	CTCP	CT Career Planning	<b>300010</b>
Career Readiness	CTCR	CT Career Readiness	<b>300010</b>
Introduction to Oil and Gas	CTIOG	CT Introduction to Oil and Gas	<b>300010</b>
<i>Credit Recovery</i>	<b>CTCRIOG</b>	<b>CTCR Introduction to Oil and Gas</b>	<b>300010</b>
Marketing Basics	CTMB	CT Marketing Basics	<b>300010</b>
<i>Credit Recovery</i>	<b>CTCRMB</b>	<b>CTCR Marketing Basics</b>	<b>300010</b>
Microsoft Office	CTMICROSOFT	CT Microsoft Office	<b>036000</b>
Oilfield Basics	CTOB	CT Oilfield Basics	<b>300010</b>
Ohio Means Jobs	CTOMJ	CT Ohio Means Jobs	<b>300010</b>
Public Safety	CTPS	CT Public Safety	<b>300010</b>
<i>Credit Recovery</i>	<b>CTCRPS</b>	<b>CTCR Public Safety</b>	<b>300010</b>
Student Leadership	CTSL	CT Student Leadership	<b>300010</b>
Study Skills	CTSS	CT Study Skills	<b>300010</b>
STEM Careers	CTSTEMCAR	CT STEM Careers	<b>300010</b>



### Social Emotional Learning

Grade Level (Course)	Course Number	Course Name	EMIS Code
Grades K - 2	SELP	SEL Primary	
Grades 3 - 5	SELE	SEL Elementary	
Grades 6 - 8	SELMS	SEL Middle School	
Grades 9 - 12	SELHS	SEL High School	93005
Grades 7 - 12	SELHC	SEL Honor Code	93005
Grades 7 - 12	SELHR	SEL Healthy Relationships	93005
Grades 7 - 12	SELPW	SEL Personal Wellness	93005
Grades 7 - 12	SELSMR	SEL Social Media Responsibility	93005
Grades 7 - 12	SELTD	SEL Teen Dating	93005

### Family Consumer Science

Grade Level (Course)	Course Number	Course Name	EMIS Code
Child Development	FCSCD	FCS Child Development	230200
Family Living I	FCSFL	FCS Family Living	230500
<i>Credit Recovery</i>	FCSCR	<i>FCSCR Family Living</i>	230500





### Fine Arts

Grade Level (Course)	Course Number	Course Name	EMIS Code
K-2 Art	FAPA	FA Primary Art	20012
3-5 Art	FAEA	FA Elementary Art	20012
6-8 Introduction to Art	FAIA	FA Intro to Art	020012
<i>Credit Recovery</i>	FACRIA	FACR Intro to Art	020012
9-12 Art History	FAAH	FA Art History	020101
<i>Credit Recovery</i>	FACRAH	FACR Art History	020101
<i>Spanish Version</i>	FASAC	FAS Art Concepts	020101
9-12 Renaissance Art	FARA	FA Renaissance Art	029999
K-2 Music	FAPM	FA Primary Music	122000
3-5 Music	FAEM	FA Elementary Music	122000
6-8 Introduction to Music	FAIM	FA Intro to Music	122000
<i>Credit Recovery</i>	FACRIM	FACR Intro to Music	122000
9-12 Music Appreciation	FAMA	FA Music Appreciation	120800
<i>Credit Recovery</i>	FACRMA	FACR Music Appreciation	120800
<i>Spanish Version</i>	FASM	FAS Music	120800
9-12 History of Rock and Roll	FAHRR	FA History of Rock & Roll	129999
<i>Credit Recovery</i>	FACRHRR	FACR History of Rock & Roll	129999
9-12 History of Jazz	FAHJ	FA History of Jazz	129999
<i>Credit Recovery</i>	FACRHJ	FACR History of Jazz	129999
9-12 Music Appreciation & History of Rock & Roll	FAMI	FA Music I	129999
9-12 Music Appreciation & History Of Jazz	FAMII	FA Music II	129999
9-12 Introduction to Theatre	FAIT	FA Introduction to Theatre I	050600



<b>Health</b>			
Grade Level (Course)	Course Number	Course Name	EMIS Code
K-2 Health	HEPH	HE Primary Health	
3-5 Health	HEEH	HE Elementary Health	
6-8 Health	HEMSH	HE Middle School Health	260101
9-12 Health	HEH	HE Health	260101
<i>Credit Recovery</i>	HECRH	HECR Health	260101
<i>Spansih Version</i>	HES	HES Health	260101
6-12 Vaping	HEVAPING	HE Vaping	269999
K-2 Physical Education	HEPEP	HEPE Primary PE	
3-5 Physical Education	HEPEE	HEPE Elementary PE	
6-8 Physical Education	HEPEM	HEPE Middle School PE	080300
9-12 Physical Education	HEPE	HEPE Physical Education	080300
7-12 Summer Physical Education	HEPES	HEPE Summer PE	080300





### Technology

Grade Level (Course)	Course Number	Course Name	EMIS CODE
<b>9-12 Computer Applications</b>	<b>TEHCA</b>	<b>TECH Computer Applications</b>	<b>036000</b>
<i>Credit Recovery</i>	<i>TEHCRCA</i>	<i>TECHCR Computer Applications</i>	<b>036000</b>
<b>9-12 Digital Citizenship</b>	<b>TEHDC</b>	<b>TECH Digital Citizenship</b>	<b>299999</b>
<i>Credit Recovery</i>	<i>TEHCRDC</i>	<i>TECHCR Digital Citizenship</i>	<b>299999</b>
<b>9-12 Digital Skills</b>	<b>TEHDSI</b>	<b>TECH Digital Skills I</b>	<b>290075</b>
<i>Credit Recovery</i>	<i>TEHCRDSI</i>	<i>TECHCR Digital Skills I</i>	<b>290075</b>
<b>9-12 Introduction to Internet</b>	<b>TEHII</b>	<b>TECH Introduction to the Internet</b>	<b>290130</b>
<i>Credit Recovery</i>	<i>TEHCRII</i>	<i>TECHCR Introduction to the Internet</i>	<b>290130</b>
<b>9-12 Esports</b>	<b>TEHESPORTS</b>	<b>TECH Esports</b>	<b>299999</b>



**World Language**

Grade Level (Course)	Course Number	Course Name	EMIS Code
Kindergarten Spanish	LANGSKG	LANG Spanish KG	069958
1st Grade Spanish	LANGS110	LANG Spanish 110	069958
2nd Grade Spanish	LANGS120	LANG Spanish 120	069958
3rd Grade Spanish	LANGS130	LANG Spanish 130	069958
4th Grade Spanish	LANGS140	LANG Spanish 140	069958
5th Grade Spanish	LANGS150	LANG Spanish 150	069958
6th Grade Spanish	LANGS160	LANG Spanish 160	069958
7th Grade Spanish	LANGS170	LANG Spanish 170	060265
8th Grade Spanish	LANGS180	LANG Spanish 180	060265
1st Level High School Spanish	LANGSI	LANG Spanish I	060265
2nd Level High School Spanish	LANGSII	LANG Spanish II	060265
3rd Level High School Spanish	LANGSIII	LANG Spanish III	060265
4th Level High School Spanish	LANGSIV	LANG Spanish IV	060265
1st Level High School French	LANGFI	LANG French I	060230
2nd Level High School French	LANGFII	LANG French II	060230
3rd Level High School French	LANGFIII	LANG French III	060230
4th Level High School French	LANGFIV	LANG French IV	060230
1st Level High School ASL	LANGISLI	LANG American Sign Language I	061050
2nd Level High School ASL	LANGISLII	LANG American Sign Language II	061050
1st Level High School Latin	LANGLI	LANG Latin I	060107
<p><b>To include only the semester course, append either A or B at the end of the course number and name (include parentheses).</b></p> <p><b>See example below:</b></p>			
1st Level Spanish I - 2nd Semester	LANGSIB	LANG Spanish I (B)	





**Miscellaneous**

Grade Level (Course)	Course Number	Course Name	EMIS Code
9-12 Last School Year Version - Next Up 2022-23	NEXTUP22	NextUp 2022-23	300010
9-12 New School Year Version - Next Up 2023-24	NEXTUP23	NextUp 2023-24	300010
K-12 IXL	IXL	IXL	300030
9-12 ACT PREP - PURCHASED TEXTBOOK	ACTPREP	ACT Prep	300030
9-12 ACT WORKKEYS - NO TEXTBOOK	ACTWORKKEYS	ACT WorkKeys	300030
English Language Arts GED	GEDLA	GED Language Arts	300030
Math GED	GEDMATH	GED Math	300030
Science GED	GEDSCI	GED Science	300030
Social Studies GED	GEDSS	GED Social Studies	300030



# TABLE OF CONTENTS



*To Return to the Table of Contents, Click the  
Jefferson County Educational Service Center's Logo*

## *K - 8th Grade Courses*

Kindergarten Courses- Page 16

First Grade Courses- Page 18

Second Grade Courses- Page 20

Third Grade Courses- Page 22

Fourth Grade Courses- Page 24

Fifth Grade Courses- Page 26

Sixth Grade Courses- Page 29

Seventh Grade Courses- Page 31

Eighth Grade Courses- Page 33

Common Assessments Courses- Page 36

## *K - 8th Grade Electives*

Music Courses- Page 39

Art Courses- Page 41

Health Courses- Page 42

Physical Education Courses- Page 43

Social- Emotional Learning Courses-  
Page 44

## *Adult Courses*

GED Courses- Page 49





# TABLE OF CONTENTS



*To Return to the Table of Contents, Click the  
Jefferson County Educational Service Center's Logo*

## *Grades 9 to 12 Courses*

Modified, Remedial, and ESL Courses-  
Page 52

AES Digital Curriculum/ Business  
Fundamental, Career Readiness, & Digital  
Literacy Course- Page 55

Business & Career Readiness Courses-  
Page 60

English Language Arts Courses-  
Page 64

Family and Consumer Science Courses-  
Page 68

Fine Art: Art Courses- Page 69

Fine Art: Music Courses- Page 71

Health Courses- Page 74

Mathematics Courses- Page 75

Science Courses- Page 84

Social Studies Courses- Page 89

Social Emotional Learning Courses-  
Page 96

Technology Courses- Page 99

Test Preparation Courses- Page 101

World Language Courses- Page 102

Additional Resources Courses- Page 106



# Kindergarten



## **ELA English K (1 CREDIT)**

EMIS Code: 050152

Throughout the thirty-six units of this course, kindergartners begin to compile a strong foundation for reading, writing, and communication. Each unit includes multimedia presentations that encourage young learners to connect printed letters with spoken words. Students use phonetic analysis to recognize new words and to build a reading vocabulary of sight words. The course contains animations that show the formation of letters and worksheets for practice. Using this model, students advance from writing letters to writing words and simple sentences. They also hone their communication skills by speaking, listening, and interpreting visual images.

ELA00

## **MATH Math K (1 CREDIT)**

EMIS Code: 110003

This course, which consists of thirty-six units, effectively joins curiosity and fact by providing many colorful, hands-on activities to broaden initial memorized numbering skills and to introduce the intricacies of mathematics. Students learn basic mathematical vocabulary and use numbers to represent quantities. The students complete the following in this course: count objects; compare sets of numerals; and recognize shapes, which includes two and three-dimensional figures. Animation, songs, poems, and hands-on activities help to hold young students' interests as they explore the complexities of numbers and the geometric wonders of the world around them.

MATH00



# Kindergarten *Continued*



## **SCI Science K (1 CREDIT)**

EMIS code: 132110

Kindergarten students are curious about their physical environments and the various activities that take place within them. The theme of the course's thirty-six units, "Observations of the Environment," builds upon the students' curiosity and focuses on skills for systematic discovery of the physical world by using scientific inquiry. Students observe changes in the earth, sky, planets, and animals; describe the characteristics of objects and materials; and discuss how different people interact with other living things. Color, quick movement, and various child-friendly voices, (both spoken and in song), hold young students' interests as they learn to use scientific inquiry to answer their many questions about the world around them.

SCI00

## **SS Social Studies K (1 CREDIT)**

EMIS code: 151209

The kindergarten year is the time for children to begin forming concepts about the world beyond their own classroom and communities. Culture, heritage, and democratic principles are explored, building upon the foundation of the classroom experience. Through the thirty-six units of this course kindergartners learn that time can be measured and that personal histories can be shared through stories and pictures. Heritage is reflected through art, customs, traditions, family celebrations, and language. Students learn that maps are used to represent places, landmarks and symbols help to determine relative location. This course also emphasizes the purpose of rules and authority figures. Students recognize that rules provide order, security, and safety in the home, school, and community.

SS00

## **LANG Spanish KG (1/2 CREDIT)**

EMIS code: 069958

Students in Spanish KG are introduced to the basic skills of communication in the target language. In the eighteen units of the course they learn basic rules of pronunciation in Spanish and compare these rules to their native language. Students learn vocabulary, numbers, colors, shapes, and simple greetings and salutations. Students also identify cultural items and foods that come from Spanish-speaking countries.

LANGSKG



# Grade 1



## **ELA English 110 (1 CREDIT)**

EMIS code: 050152

Students continue to build a strong foundation for reading, writing, and communicating with others in English Language Arts 110. Following a circus theme throughout its thirty-six units, this course offers a variety of multimedia presentations, readings, worksheets, and other activities. Throughout the course students read and react to prose, poetry, and informational text. They retell stories by describing characters, settings, and events with an emphasis on important details. Prompting and support are joined in assisting students with more complex readings as they are gradually introduced. Students are challenged to extend their reading comprehension skills with the addition of print features, structures, and characteristics. Students continue to learn the conventions of usage in the English language. The basic rules for capitalization and punctuation are emphasized and practiced. Students experiment with expressing opinions, developing narratives, and presenting information through writing. The course addresses word awareness, word selection and uses multimedia presentations to support phonological awareness. Educators enable students to hear sounds and recognize syllables. Students are also encouraged to read with an expression as well as accuracy.

ELA01

## **MATH Math 110 (1 CREDIT)**

EMIS code: 110003

This course, consisting of thirty-six units, focuses on the Ohio learning standards at the first-grade level. It stresses four critical areas of concentration: developing an understanding of addition and subtraction; strategies for addition and subtraction within twenty; developing an understanding of whole number relationships and place values (including grouping based on ten and one); developing an understanding of linear measurement and measuring lengths as iterating length units; and reasoning about the attributes of geometric shapes. Throughout the units of this course games and worksheets are available to practice these concepts.

MATH01



# Grade 1 *Continued*



## **SCI Science 110 (1 CREDIT)**

EMIS code: 132110

Science 110, consisting of thirty-six units, builds on the skills of observation and inquiry that students learned in kindergarten. The course focuses on energy, weather, motion, and the basic needs of living things. Multimedia presentations, books in electronic format, videos, interactive activities, and worksheets enhance learning and heighten interest.

SCI01

## **SS Social Studies 110 (1 CREDIT)**

EMIS code: 151209

Social Studies 110, consisting of thirty-six units, continues to establish the foundation for the further study of history, geography, government, and economics. This course stresses the importance of being a member of a community as well as being an individual. Students gain an understanding of time passage by thinking about how families lived and worked long ago. Artifacts and images are used for comparing the past to the present. Students also learn that communities need to have rules to keep people safe and following these rules is part of being a good citizen. The course teaches how geographic features and natural resources determine how people live and work in a particular region. Students gain an understanding of why people trade to get the goods and services that they want but cannot produce themselves.

SS01

## **LANG Spanish 110 (1/2 CREDIT)**

EMIS code: 069958

Students are introduced, or re-introduced, to communication skills in the target language throughout the eighteen units of the course. They learn a basic understanding of pronunciation, vocabulary, appropriate grammar, and daily conversation skills. Students begin to format communication on their own using the learned skills. Students study the many cultures of Spanish speaking people and view videos from Spanish speaking countries.

LANGS110



# Grade 2



## **ELA English 120 (1 CREDIT)**

EMIS code: 050152

The thirty-six units of the course follow a format that includes the reading process (literary and informational), writing, spelling, and fluency. Spelling words are introduced during each lesson and a variety of spelling activities are assigned. The units of the course also include read-aloud sections that introduce a story and provide opportunities to model reading fluency. Students read stories orally, practice reading strategies, and respond to literature. They begin concentrating on writing complete sentences at first and progress to paragraphs, short stories, and poems. Students also keep a journal that includes their own writings and drawings.

ELA02

## **MATH Math 120 (1 CREDIT)**

EMIS code: 110003

In this course, consisting of thirty-six units, students have the opportunity to investigate and develop skills involving numbers, measurement, geometry, patterns, and data analysis. Students can extend their understanding of base-ten notation, build fluency with addition and subtraction, use standard units of measure, and describe and analyze shapes.

MATH02

## Grade 2 *Continued*



### **SCI Science 120 (1 CREDIT)**

EMIS code: 132110

In this course, including thirty-six units, students relate science concepts and skills to their life experiences. They compare similarities and differences between people, animals, and plants. The functions of living systems and their interactions with the physical environment are explained. Emphasis is placed on the interdependence and survival of plants and animals in Ohio. Weather changes, both short term and long term, are observed, described, and measured. Students discover how cycles are present in their everyday lives through investigations of Earth, sky, sound, light, plants, and animals. Students recognize the purpose, process, and effects of technology, simple equipment, and instruments used in learning about science. They develop an awareness of repeated scientific investigations and understand that under the same conditions the results are similar or the same.

SCI02

### **SS Social Studies 120 (1 CREDIT)**

EMIS code:151209

In this course, divided into thirty-six units, students learn about people working together through their study of history, geography, government, and economics. Along with their continuing practice of social studies skills and methods, students use biographies of people whose work has made a difference and artifacts as clues to the past. They begin to understand various cultures and the impact of the environment on how people live, work, and use their resources. Students build a framework necessary for collaboration and leadership that strengthens their abilities to work with others.

SS02

### **LANG Spanish 120 (1/2 CREDIT)**

EMIS code: 069958

In this eighteen-unit course students are introduced to skills that enable them to begin or to resume communication in the target language. They practice pronunciation, vocabulary, simple grammar structure, and daily conversation. Students also study many cultural aspects of the Spanish language including the arts, sports, cuisine, and holidays. Also, they have the opportunity to view videos from Spanish-speaking countries and replicate cultural objects on their own.

LANGS120





## Grade 3



### **ELA English 130 (1 CREDIT)**

EMIS code: 050152

The thirty-six units follow a format that includes the following: the reading process (literary and informational), spelling, grammar, composition, oral communication, visual communication, and cursive handwriting. Spelling words are introduced in each unit and a variety of learning options are offered. Students focus on using spelling patterns and generalizations when writing paragraphs, compositions, poems, stories, and journal entries. They read orally and practice using different reading strategies to respond to literature and informational text. Students read with sufficient accuracy and fluency to support comprehension. Through exposure to rich language situations students acquire an expanded vocabulary.

ELA03

### **MATH Math 130 (1 CREDIT)**

EMIS code: 110003

In Math 130 students complete thirty-six units that span a variety of math concepts including multiplication, division, word problems, place value, and fractions. Students work with two and three-dimensional shapes as well as 3-D models, and create and interpret bar graphs. Worksheets and interactive activities provide opportunities for practice.

MATH03

### **SCI Science 130 (1 CREDIT)**

EMIS code: 132110

The scientific skills of observation, measuring, and classification serve as focal points for the science course, composed. Students learn to read and interpret simple tables and graphs, how to conduct safe investigations while collecting and analyzing data, and communicate the investigation's results. Students explore the properties and composition of rocks and soils along with the interaction of forces and motion. They also compare the life cycles of animals, their classifications according to characteristics, descriptions of their habitats, and adaptations to their environments. Students examine the impact of technology and explore careers in science and study scientific contributions from a diversity of cultures.

SCI03



## Grade 3 *Continued*

### **SS Social Studies 130 (1 CREDIT)**

EMIS code: 151209

This is a thirty-six units course with a focus on the local community. Students begin to understand how their community has changed over time and to make comparisons with communities in other places. The study of local history comes alive through the use of artifacts and documents. Students also learn how communities are governed and how the local economy is organized.

SS03

### **LANG Spanish 130 (1/2 CREDIT)**

EMIS code: 069958

Throughout these eighteen units of this course, students have opportunities to practice speaking and listening to the Spanish language. While working through the units, they watch videos, complete craft projects, and experience a variety of activities that emphasize Spanish culture.

LANGS130



# Grade 4



## **ELA English 140 (1 CREDIT)**

EMIS code: 050154

This course consists of thirty-six units and covers reading, spelling, grammar, and writing. Some science concepts are integrated into the readings, and some basic math skills are practiced in spelling. Students continue to engage in skill units to develop reading fluency and comprehension. They read a variety of genres, including chapter books, tall tales, fables, poetry, folk tales, and informational articles. In each unit, students complete a journal entry and learn to use a rubric for journal writing. Students use the writing process and engage in a variety of writing applications.

ELA04

## **MATH Math 140 (1 CREDIT)**

EMIS code: 110150

In this course of thirty-six units, students investigate the base-ten number system by reading, writing, representing, comparing and rounding whole numbers and decimals; compute with whole numbers using 1 and 2 digit numbers; develop strategies for performing mental computations; and generate equivalent forms of fractions and decimals to estimate, add, and subtract decimals and fractions with like denominators. Students count money and learn to make change; examine prime and composite numbers; make simple measurement conversions of units; solve multi-step problems; and develop strategies to find perimeter, area, and volume. In geometry, students investigate, classify, and model plane figures and solids. They plot locations in the first quadrant of a coordinate system and make transformations of slides, flips, and turns; use words, tables, and graphs to analyze patterns and relationships to make predictions and solve problems; represent unknowns as variables in equations and inequalities and relate how change in one variable affects the value of a related variable. Students gather and organize data in tables, charts, and graphs and make predictions based on interpretations and appropriate display of data; use mode, median, and range to describe characteristics of data; conduct simple probability experiments and make predictions of possible outcomes ordering events as impossible, unlikely, equal, likely, and certain-to-happen; and make lists to display all possible combinations of different sets of items.

MATH04



## Grade 4 *Continued*



### **SCI Science 140 (1 CREDIT)**

EMIS code: 132120

Throughout the thirty-six units of this course, students continue to conduct investigations safely, choose appropriate tools, formulate conclusions, and communicate findings. They draw inferences from simple experiments and study the physical and chemical changes of matter. Properties of materials and the discovery of new materials formed by combining two or more materials are explored. Students expand the study of life cycles of plants by examining characteristics, growth, and functions. Students gather information on the weather and its patterns. They observe how weather impacts the Earth's surface, land, air, and water. Students explore how utilizing technology affects human lives and how technology and inventions change to meet people's needs.

SCI04

### **SS Social Studies 140 (1 CREDIT)**

EMIS code: 151210

In this course consisting of thirty-six units, fourth-graders focus on the early development of Ohio and the United States. Students learn about the history, geography, government, and economy of the state and nation. Foundations of U.S. History are laid as students study prehistoric Ohio cultures, early American life, and the U.S. Constitution. Students begin to understand how ideas and events from the past have shaped modern Ohio and the United States.

SS04

### **LANG Spanish 140 (1/2 CREDIT)**

EMIS code: 069958

Throughout the eighteen units of this course, students are introduced to or are reacquainted with, necessary skills to begin or to resume communication in the target language. They explore pronunciation, vocabulary, simple sentence structure, and ways to engage in daily conversation. Each unit focuses on a Spanish-speaking country, and students learn about the history, culture, arts, sports, cuisine and holidays of that country. They also have the opportunity to view videos from Spanish-speaking countries and to replicate cultural objects to gain a greater understanding of the target language.

LANGS140



# Grade 5



## **ELA English 150 (1 CREDIT)**

EMIS code: 050154

In this course of thirty-six units, students engage in skill units to enhance reading fluency and comprehension. This course integrates reading, writing, and oral/visual communication. Students develop skills to decode words and to build vocabulary. This includes the use of dictionaries, context clues, prefixes, suffixes, and root words. Students also learn to identify and to use different parts of speech correctly. The following books are required reading: *The Whipping Boy* by Sid Fleischman, *Dear Mr. Henshaw* by Beverly Cleary, and *Shiloh* by Phyllis Reynolds Naylor.

ELA05

## **MATH Math 150 (1 CREDIT)**

EMIS code: 110150

Throughout the thirty-six units of this course, students explore many exciting topics and examine how math applications apply to daily life. The course begins with the basics, such as whole number addition and multiplication properties. As they progress, students work with complex fractions, geometric functions, and other advanced concepts.

MATH05

## **SCI Science 150 (1 CREDIT)**

EMIS code: 132120

This course covers various scientific topics and concepts. The course consists of different areas of science, including the nature of science, ecosystems, life science, forces, motion, waves, light, sound, physical science, the solar system, space technology, Earth and space science, and more. Students will explore fundamental principles and processes in science, developing an understanding of scientific thinking and inquiry. The course encourages students to think like scientists, promoting critical thinking, observation, and analysis skills. By studying ecosystems, students will learn about the interrelationships between organisms and their environments, including the roles of producers, consumers, and decomposers. The course also covers topics in physics, such as forces, balanced and unbalanced forces, gravitational force, motion, speed, distance, waves, light, and sound.

***Science 150 continues on next page***

## Grade 5 *Continued*



### **SCI Science 150 (1 CREDIT)**

#### ***Science 150 continued***

Students will gain insights into the properties and behaviors of matter, including materials for plant growth and energy in food. Additionally, the course explores Earth and space science, including the planets, the sun, comets, asteroids, meteoroids, seasons, and the wonders of space technology. Assessments are included throughout the course to evaluate students' understanding and progress in different areas of science. The units incorporate interactive tools and resources like Gizmos to provide hands-on learning experiences and enhance students' Understanding of scientific concepts. By completing this course, students will develop a solid foundation in various scientific disciplines, enhance their critical thinking and analytical skills, and gain a deeper appreciation for the wonders of the natural world and the principles that govern it.

SCI05

### **SS Social Studies 150 (1 CREDIT)**

EMIS code: 151210

Throughout this course of thirty-six units, students study the Western Hemisphere (North and South America), its geographic features, early history, cultural development, and economic development. They learn about the early inhabitants of the Americas and the impact of European exploration and colonization. The geographic focus includes the study of contemporary regional characteristics, the movement of people, products and ideas, and cultural diversity. Students develop their understanding of the relationship between markets and available resources.

SS05





## Grade 5 *Continued*

### **LANG Spanish 150 (1/2 CREDIT)**

EMIS code: 069958

Throughout the eighteen units of Spanish 150, students continue the exploration of the Spanish language, traditions, and culture. They are introduced to new Spanish words and review words that were learned previously. Students take a closer look at Spanish pronunciation and rules for accentuation. They have many opportunities to practice speaking and to sound more like a native, Spanish speaker. The students continue to study sentence formation and begin to write about things they know in the Spanish language. They work with gender and formality to respond to questions and to express their personal opinions. Also, they have the opportunity to view videos and to listen to podcasts, including music from Spanish-speaking countries. Students replicate cultural objects to gain a greater understanding of the target language and culture.

LANGS150

### **AIR Science Grade 5 (SUPPLEMENT)**

EMIS code: 300030

This supplement includes seven units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in Science.

AIR05



# Grade 6



## **ELA English 160 (1 CREDIT)**

EMIS code: 050154

In this course consisting of thirty-six units, students engage in skill units to enhance reading fluency and comprehension. This course integrates reading, writing, and oral/visual communication. Students develop skills to decode words and build vocabulary. They use dictionaries, context clues, prefixes, suffixes, and root words. Students also learn to identify and to use different parts of speech, punctuation, spelling, and capitalization correctly. The following books are required reading: *Maniac Magee* by Jerry Spinelli, *Bud, Not Buddy* by Christopher Paul Curtis, *From the Mixed-Up Files of Mrs. Basil E. Frankweiler* by E.L. Konigsburg.

ELA06

## **MATH Math 160 (1 CREDIT)**

EMIS code: 110150

In the thirty-six units of this course, students explore many exciting topics and examine applications of the concepts learned in real-world settings. They begin by looking at factors, exponents, and the order of operations. Later units include more advanced concepts, such as negative numbers, graphing, and simple equations.

MATH06

## **SCI Science 160 (1 CREDIT)**

EMIS code: 132120

In this course consisting of thirty-six units, students continue to conduct investigations and begin to apply mathematical skills in evaluating and analyzing the variables of data. They identify the basic skills of the scientific inquiry process and research how men and women from other countries have contributed to the advancement of science. Students identify rocks and their distinct properties. The division of cells and the creation of new cells is also emphasized. The course discusses renewable and nonrenewable sources of energy.

SCI06



## Grade 6 *Continued*

### **SS Social Studies 160 (1 CREDIT)**

EMIS code: 151210

In this course consisting of thirty-six units, students focus on the people and places of the Eastern Hemisphere, including Asia, Africa, Australia, and Europe. They also learn about the unique, early civilizations that developed in these regions and their enduring impact on the modern world. How do the people of the Eastern Hemisphere govern themselves? How does the movement of people, products, and ideas from one part of the globe to another affect their lives? Sixth-grade students also consider their roles as consumers in a market economy along with the effects of scarce resources, competition, supply, and demand.

SS06

### **LANG Spanish 160 (1/2 CREDIT)**

EMIS code:069958

Throughout the eighteen units of this course, students follow the theme of travel. This gives them the virtual option of exploring the history and culture of Spanish speaking countries and cities. Students continue learning new Spanish vocabulary. At the same time, they use previously learned words. Many opportunities to practice speaking are provided. This practice helps students to sound like native speakers, reinforces the rules for accentuation, and provides punctuation practice. Students continue their work with sentence formation and write in the Spanish language about things they know. They work with gender and formality to respond to questions that request personal opinions. Students have the opportunity to view videos and to listen to podcasts, including music from Spanish-speaking countries. Students replicate cultural objects to gain a greater understanding of the target language and culture.

LANGS160





# Grade 7



## **ELA English 170 (1 CREDIT)**

EMIS code: 050156

This thirty-six-unit course is recommended and is designed to prepare Ohio students for the Ohio AIR Grade 7 English Language Arts Assessment. The course emphasizes reading and writing skills. Students read a variety of literary texts, including stories, dramas, and poems. They analyze various points of view and the perspectives of authors. They practice determining the meaning of words and phrases through context. The course also stresses the importance of clear and coherent writing. Students build on what they already know about the writing process. They learn to establish theses and to support claims while maintaining a formal writing style. Students are encouraged to use correct spelling, correct conventions of writing, and different types of sentence structures.

ELA07

## **MATH Math 170 (1 CREDIT)**

EMIS code: 110175

In this course consisting of thirty-six units, students explore a variety of mathematical topics beginning with rational and irrational numbers. As the course progresses, they work with variables, formulas, Algebraic expressions, statistics, and probability. All concepts are applied to real-world settings with an emphasis on actual math problems encountered in everyday life.

MATH07



## Grade 7 *Continued*

### **SCI Science 170 (1 CREDIT)**

EMIS code: 132130

In this course consisting of thirty-six units, students learn to describe interactions of matter and energy throughout the lithosphere, hydrosphere, and atmosphere. They continue to develop skills of scientific inquiry, explain how matter can change and describe how energy in its many forms is potential or kinetic. Students apply math skills to evaluate and analyze variables and data from investigations as they draw conclusions from scientific evidence. Students recognize that technology can create environmental and economic conflicts that affect the quality of life. They also realize that science and technology cannot answer all questions and cannot solve all human problems. Students acquire knowledge to explain how energy, such as sunlight, entering the ecosystems supports the life of organisms through photosynthesis and the transfer of energy through the interactions of organisms and the environment.

SCI07

### **SS Social Studies 170 (1 CREDIT)**

EMIS code: 151210

Throughout the thirty-six units of this course, students study a wide variety of events, people, and decisions that have not only affected our past but that directly influence our present and future. From Ancient Greece to the First Global Age, this course explores how the world changed and evolved. It provides a foundation for global awareness and a better understanding of the modern world.

SS07

### **LANG Spanish 170 (1/2 CREDIT)**

EMIS code: 060265

In this eighteen-unit course, students are introduced, or re-introduced, to skills to begin or to resume, communication in the target language. They gain knowledge and understanding of pronunciation, vocabulary, grammar structure, and simple conversation as well as study the many cultural aspects of the target language, including music, dance, art, sports, literature, cuisine, and festivals.

LANGS170



# Grade 8



## **ELA English 180 (1 CREDIT)**

EMIS code: 050156

Grade 8 English Language Arts Assessment; Students apply the writing process to develop argumentative, persuasive/opinion, informative, expository/ explanatory, and literary analysis essays. Additionally, they read, analyze, and respond to various literary genres, including argumentative texts, historical documents, poetry, short stories, dramas, and other genres that appear on the AIR Assessment. Each unit coaches students to read each genre and to answer the questions on the AIR Assessment. At the end of every unit, students review grammar and language conventions, such as parts of sentence parts, sentence types, verb moods, capitalization, and punctuation.

ELA08

## **MATH Math 180 (1 CREDIT)**

EMIS code: 110175

In this course consisting of thirty-six units, students investigate the base-ten number system by reading, writing, representing, comparing and rounding whole numbers and decimals; compute with whole numbers using one and two-digit numbers; develop strategies for performing mental computations; and generate equivalent forms of fractions and decimals to estimate, add, and subtract decimals and fractions with like denominators. Students count money and make a change; examine prime and composite numbers; make simple measurement conversions of units; solve multi-step problems; and develop strategies to find perimeter, area, and volume. In geometry, students investigate, classify, and model plane figures and solids. They plot locations in the first quadrant of a coordinate system and make transformations of slides, flips, and turns; use words, tables, and graphs to analyze patterns and relationships to make predictions and solve problems; represent unknowns as variables in equations and inequalities and relate how change in one variable affects the value of a related variable. *Math 180 continues on the next page.*



## Grade 8 *Continued*

### **MATH Math 180 (1 CREDIT)**

#### ***Math 180 continued.***

Students gather and organize data in tables, charts, and graphs and make predictions based on interpretations and appropriate display of data; use mode, median, and range to describe characteristics of data; conduct simple probability experiments and make predictions of possible outcomes ordering events as impossible, unlikely, equal, likely, and certain-to-happen; and make lists to display all possible combinations of different sets of items. There are worksheets in many of the units that provide more practice on specific topics.

MATH08

### **SCI Science 180 (1 CREDIT)**

EMIS code: 132130

In this course consisting of thirty-six units, students explore space and plate tectonics as they continue to draw conclusions from scientific evidence that support theories related to the change of the Earth's surface. They acquire knowledge to describe how positions and motions of objects in the universe cause predictable and cyclic events. Students explain that the universe is composed of vast amounts of matter and is held together by gravitational force. They explore equipment to study the universe, such as telescopes, probes, satellites, and spacecraft. The motion of objects, effects of forces on objects, and how waves (sound, water, and earthquake) transfer energy are explored. Students analyze how the extinction of a species occurs when the environment changes, and its adaptive characteristics are insufficient to allow survival. Students design a solution to a problem or design and build a product, given certain constraints. Technological influences on the quality of life are also explored in this course.

SCI08



# Grade 8 *Continued*



## **SS Social Studies 180 (1 CREDIT)**

EMIS code: 151201

Throughout the thirty-six units of this course, students study the series of events, decisions, and ideas that shaped the development of the United States of America. From its colonial roots to the aftermath of the Civil War, the country's first centuries reveal a fascinating story and the contributions of many amazing people. Students also have the opportunity to read excerpts from some of the significant documents that form the basis of American government.

SS08

SSCR08

## **LANG Spanish 180 (1/2 CREDIT)**

EMIS code: 060265

In this course consisting of eighteen units, students are introduced, or re-introduced, to skills to begin or to resume, communication in the target language. Students gain knowledge and understanding of vocabulary, grammar structure, pronunciation, and conversation as well as study the many cultural aspects of the target language, including music, dance, art, literature, cuisine, and traditions. Enrichment activities challenge more advanced students.

LANGS180

## **AIR Science Grade 8 (SUPPLEMENT)**

This supplement includes ten units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in Science.

AIR08



# Grade K-8 Common Assessments Courses



## **COMMON ASSESSMENTS ENGLISH LANGUAGE ARTS KINDERGARTEN (SUPPLEMENT)**

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in English Language Arts.

ELACA00

## **COMMON ASSESSMENTS ENGLISH LANGUAGE ARTS GRADE 1 (SUPPLEMENT)**

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for extra practice in English Language Arts.

ELACA01

## **COMMON ASSESSMENTS ENGLISH LANGUAGE ARTS GRADE 2 (SUPPLEMENT)**

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in English Language Arts.

ELACA02

## **COMMON ASSESSMENTS ENGLISH LANGUAGE ARTS GRADE 3 (SUPPLEMENT)**

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in English Language Arts.

ELACA03

## **COMMON ASSESSMENTS MATH GRADE 3 (SUPPLEMENT)**

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in Math.

MATHCA03

# Grade K-8 Common Assessments

## Courses *Continued*



### **COMMON ASSESSMENTS ENGLISH LANGUAGE ARTS GRADE 4 (SUPPLEMENT)**

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in English Language Arts.

ELACA04

### **COMMON ASSESSMENTS MATH GRADE 4 (SUPPLEMENT)**

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in Math.

MATHCA04

### **COMMON ASSESSMENTS ENGLISH LANGUAGE ARTS GRADE 5 (SUPPLEMENT)**

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in English Language Arts.

ELACA05

### **COMMON ASSESSMENTS MATH GRADE 5 (SUPPLEMENT)**

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in Math.

MATHCA05

### **COMMON ASSESSMENTS ENGLISH LANGUAGE ARTS GRADE 6 (SUPPLEMENT)**

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in English Language Arts.

ELACA06

### **COMMON ASSESSMENTS MATH GRADE 6 (SUPPLEMENT)**

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in Math.

MATHCA06



# Grade K-8 Common Assessments

## Courses *Continued*

### **COMMON ASSESSMENTS ENGLISH LANGUAGE ARTS GRADE 7 (SUPPLEMENT)**

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in English Language Arts.

ELACA07

### **COMMON ASSESSMENTS MATH GRADE 7 (SUPPLEMENT)**

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in Math.

MATHCA07

### **COMMON ASSESSMENTS ENGLISH LANGUAGE ARTS GRADE 8 (SUPPLEMENT)**

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in English Language Arts.

ELACA08

### **COMMON ASSESSMENTS MATH GRADE 8 (SUPPLEMENT)**

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in Math.

MATHCA08





# K-8 ELECTIVES: MUSIC



## **FA Primary Music (1/2 CREDIT)**

Grades K-2

EMIS code: 122000

Primary Music consists of eighteen units. Students will learn basic music terminology that helps them understand the development of music history. Students will cover the topics of: pitch, tone, beat, musical instruments, time signature, note value, and important music developments in each musical time period, including: Hip-Hop, Rap, 60s Folk, Latin, Country, and Rock and Roll. Important composers from Bach, Mozart, and Beethoven to Elvis, Louis Armstrong, and the Beatles are also discussed. Numerous video and audio recordings are used throughout the class as a resource for understanding the development of this genre of music. Students should take the time to listen to and watch all videos as material from those videos show up in the assessments at the end of each lesson. Some of these videos and recordings may be considered inappropriate due to the topics covered within the music or language used within the songs.

FAPM

## **FA Elementary Music (1/2 CREDIT)**

Grades 3-5

EMIS code: 122000

Elementary Music consists of eighteen units. Students will learn basic music terminology that helps them understand the development of music history. Students will cover the topics of: Music Notation, Music History, Instruments, Melody, Harmony, Vocals, Reading Music and Scales. Students will also learn briefly about important music developments in a musical time period and important composers from Mozart, Beethoven and Elvis. Numerous video and audio recordings are used throughout the class as a resource for understanding the development of this genre of music. Students should take the time to listen to and watch all videos as material from those videos show up in the assessments at the end of each lesson. Some of these videos and recordings may be considered inappropriate due to the topics covered within the music or language used within the songs.

FAEM



## K-8 ELECTIVES: MUSIC *Continued*

### **FA Intro to Music (1/2 CREDIT)**

Grades 6-8

EMIS Code: 122000

Junior High Music Appreciation consists of eighteen units. Students begin the course with a brief lesson in basic music terminology that helps them understand the development of music history. Students then learn about essential music developments in each musical period, including The Middle Ages, Renaissance, Baroque, Classical, Romantic, 20th Century, Jazz, and Rock and Roll. Essential composers from Bach, Mozart, and Beethoven to Elvis, Louis Armstrong, and the Beatles are also discussed. Numerous video and audio recordings are used throughout the class as a resource for understanding the development of this genre of Music. Students should take the time to listen to and watch all videos as material from those videos show up in the assessments at the end of each lesson. Some of these videos and recordings may be considered inappropriate due to the topics covered within the Music or language used in the songs.

FAIM

FACRIM



# K-8 ELECTIVES: ART



## **FA Primary Art (1/2 CREDIT)**

Grades K-2

EMIS Code: 020012

Primary Art, consisting of eighteen units, is a primary school course. Students will identify colors and their relationship to each other, create shades and tints, and analyze colors to express their feelings. Students will then describe types of texture, how lines are used, space, and shape of Art. Students will also learn and make a collage and sculptures. Students will take 2 Quarterly Reviews (units 9 and 18) in this course.

FAPA

## **FA Elementary Art (1/2 CREDIT)**

Grades 3-5

EMIS Code: 020012

Elementary Art, consisting of eighteen units, is an elementary school course. Students will examine a range of artistic works to gain insight into the historical and cultural traditions; identify universal themes and processes to communicate meanings, moods, and visual effects in personal and collaborative artworks; express personal responses to artistic works give reasons for their interpretations and preferences, and provide and use feedback to improve and refine their artworks. Students will take 2 Quarterly Reviews (units 9 and 18) in this course.

FAEA

## **FA Intro to Art (1/2 CREDIT)**

Grades 6-8

EMIS Code: 020012

Introduction to Art, consisting of eighteen units, is a middle-school (grades 6-8) course. This class is split into two sections– the first deals with basic knowledge and understanding of how Art is made, and the second is a hands-on approach to creating Art. Students learn how artists create their Art by using the art elements and principles of design. Art history, criticism, aesthetics, and art careers are also explored. Students create various projects in the second half of the course using various art materials. Drawing, painting, sculpture, printmaking, and photography are just a few disciplines students enjoy.

FAIA(A)(B)

FACRIA (A)(B)



# K-8 ELECTIVES: HEALTH



## **HE Primary Health (1/2 CREDIT)**

Grades K-3

EMIS Code: 260101

In this eighteen-unit Primary Health course, students focus on compassion. Students develop essential knowledge and understanding of empathy, their emotions, self-care, and mindfulness. They practice and implement compassionate habits and routines everywhere in their everyday lives.

HEPH

## **HE Elementary Health (1/2 CREDIT)**

Grades 4-6

EMIS Code: 260101

In this course, the following topics will be discussed: the nutritional value of foods, including natural and organically produced foods, the relation of nutrition to health, and the use and effects of food additives; the harmful effects of and legal restrictions against the use of drugs, alcoholic beverages, and tobacco; instruction in personal safety and assault prevention; and prescription opioid abuse prevention, with an emphasis on the prescription drug epidemic and the connection between prescription opioid abuse and addiction to other drugs, such as heroin.

HEEH

## **HE Middle School Health (1/2 CREDIT)**

Grades 7-8

EMIS Code: 260101

In this course, the following topics will be discussed: the nutritional value of foods, including natural and organically produced foods, the relation of nutrition to health, and the use and effects of food additives; the harmful effects of and legal restrictions against the use of drugs, alcoholic beverages, and tobacco; Venereal disease education; age-appropriate instruction in dating violence prevention education, which shall include instruction in recognizing dating violence warning signs and characteristics of healthy relationships; and prescription opioid abuse prevention, with an emphasis on the prescription drug epidemic and the connection between prescription opioid abuse and addiction to other drugs; such as heroin.

HEMSH





## K-8 ELECTIVES: PHYSICAL EDUCATION



### **HEPE Primary PE (1/2 CREDIT)**

Grades K-2

EMIS Code: 080300

In this eighteen-unit Primary PE course, students focus on how exercise is essential for a healthy lifestyle. Students will learn about physical fitness activities and how to make healthy choices. Throughout the units, students will learn ways to move and increase their energy in a mindful everyday way wherever they might be.

HEPEP

### **HEPE Elementary PE (1/2 CREDIT)**

Grades 3-5

EMIS Code: 080300

In this eighteen-unit Elementary PE course, students will be physically literate in demonstrating competency in a variety of motor skills and movement patterns, apply knowledge of concepts and principles of movement, identify ways to maintain a health-enhancing level of physical activity and fitness, describe personal and social behavior to self and others, and recognize the value of physical activity for health and enjoyment.

HEPEE

### **HEPE Middle School PE (1/2 CREDIT)**

Grades 6-8

EMIS Code: 080300

In this eighteen-unit Middle School PE course, students focus on helping themselves for a healthy lifestyle. Course information will help the student assume control and responsibility for their lifestyle. Students will learn about Physical Fitness, components of Physical Fitness, the FITT principle, healthy nutrition, stress strategies, goal setting, and creating a Fitness Plan. Students will be required to log at least three days of fitness, totaling three hours for each unit in the course.

HEPEM



## K-8 ELECTIVES: SOCIAL - EMOTIONAL LEARNING



### **SEL Primary ( 1 CREDIT)**

Grades K-2

This course supports students' social-emotional learning in the primary grades. The course is divided into 36 units that cover a wide range of social-emotional topics. Students will explore different emotions, learn strategies to manage and regulate them and understand the importance of seeking help. They will also learn about personal strengths and weaknesses and develop skills to navigate safe places and situations. Additionally, students will explore concepts related to personal responsibility, confidence, respectful attitudes, and self-regulation. Students will learn about well-being, social skills, communication skills, collaboration, Internet safety, trust, empathy, respect, inclusiveness, and good citizens. They will also explore decision-making, resilience, conflict resolution, critical thinking, growth mindset, dealing with fear and worry, and understanding the mind and body. The course emphasizes the development of self-regulation, confidence, positive attitude, time management, and making choices. Students will engage in activities and discussions throughout the course to enhance their social-emotional skills and promote a positive and supportive learning environment. By completing this course, students will develop important social-emotional competencies that will contribute to their overall well-being, interpersonal relationships, and success in school and beyond.

SELP

# K-8 ELECTIVES: SOCIAL - EMOTIONAL LEARNING

## *Continued*



### **SEL Elementary (1 CREDIT)**

Grades 3-5

This course focuses on supporting the social-emotional learning of elementary school students. The course consists of thirty- six units that cover a wide range of topics relevant to social-emotional development. The course begins by exploring the emotions of students and helping them understand the impact of situations and places on their emotions. Students will learn strategies for processing their emotions and identifying their strengths and personal goals. The importance of trusted adults in their lives and reporting dangerous situations safely is also emphasized. Students will explore the connection between their behavior and its impact on themselves and others. They will develop skills in advocating for themselves and understanding how thoughts and emotions influence decision-making. Units on expressing emotions, setting goals, monitoring progress, and personal growth will further enhance their social-emotional competencies. The course also focuses on building effective communication skills, promoting self-esteem, developing empathy, and cultivating gratitude. Students will learn about giving back to their school and community and seek help when needed. Units addressing stereotypes, discrimination, cyberbullying, digital etiquette, and responsible use of social media will foster digital citizenship and responsible online behavior. The course concludes with units on peer pressure, healthy relationships, and conflict resolution, equipping students with the necessary skills to navigate social situations and build positive connections with others. Through engaging activities and discussions, students will develop essential social-emotional skills, including emotional awareness, self-regulation, communication, empathy, resilience, and responsible decision-making. By completing this course, elementary school students will be better prepared to navigate their social environments and establish positive relationships that contribute to their overall well-being and success.

SELE



## K-8 ELECTIVES: SOCIAL - EMOTIONAL LEARNING *Continued*

### **SEL Middle School (1 CREDIT)**

Grades 7-12

This course is designed to support middle school students' social-emotional learning. The course consists of 36 units covering various topics relevant to their social and emotional development. The course begins by exploring the nature of emotions, helping students understand what emotions are and how they can change. Students will learn strategies for processing and managing their emotions effectively. The units also focus on the impact of emotions on individuals and how self-discovery and goal-setting can contribute to personal growth. The course emphasizes the importance of seeking support and developing a plan of action to address challenges and setbacks. Personal responsibility is highlighted as students learn about positive self-talk, self-advocacy, compassion, and empathy. They will develop skills to re-frame and rethink their perspectives, promoting resilience and emotional well-being. In the final units, students will explore strategies for managing their emotions and behavior, enhancing self-regulation, and fostering positive relationships with others. Throughout the course, students will engage in activities and discussions that promote self-reflection, self-awareness, empathy, and responsible decision-making. By completing this course, middle school students will develop essential social-emotional skills that contribute to their personal growth, resilience, and positive interactions, supporting their overall well-being and success. The course can be used in Grades 7-12.

SELMS





## **K-8 ELECTIVES: SOCIAL - EMOTIONAL LEARNING *Continued***

### **SEL Decision Making (1/4 CREDIT)**

Grades 7-12

EMIS Code: 093005

In this nine-unit course, students learn about the decision-making process and the importance of evaluating the consequences of their choices. They are also encouraged to select options that reflect long-range planning, core beliefs, and values. The course can be used in Grades 7-12.

SELDM

### **SEL Healthy Relationships (1/4 CREDIT)**

Grades 7-12

EMIS Code: 093005

In this nine-unit course, students examine both healthy and unhealthy relationships. There are tips on dealing with unhealthy relationships and making good relationships even better. The course can be used in Grades 7-12.

SELHR

### **SEL Honor Code (1/4 CREDIT)**

Grades 7-12

EMIS Code: 093005

This nine-unit course helps students identify their unique talents, grow resilience in adversity, and build strong connections with others. The same skills students learn to discourage bullying today. EVERFI curriculum will be utilized in this course. This course can be used in Grades 7-12.

SELHC

### **SEL Personal Wellness (1/4 CREDIT)**

Grades 7-12

EMIS Code: 093005

This nine-unit course blends evidence-informed content with engaging digital activities. By defining mental wellness and modeling positive behaviors, this online program teaches students the importance of paying attention to their mental health. EVERFI curriculum will be utilized in this course. The course can be used in Grades 7-12.

SELPW



## **K-8 ELECTIVES: SOCIAL - EMOTIONAL LEARNING *Continued***

### **SEL Social Media Responsibility (1/4 CREDIT)**

Grades 7-12

EMIS Code: 093005

This nine-unit course stresses social media etiquette and offers numerous tips for staying safe while engaging with others online. Students are encouraged to be intelligent, alert, and kind when using social media websites. The course can be used in Grades 7-12.

SELSMR

### **SEL Teen Dating (1/4 CREDIT)**

Grades 7-12

EMIS Code: 093005

Romantic relationships are major developmental milestones in the lives of teens. Students consider what they want in a dating relationship in this nine-unit course. The course also defines attraction, closeness, commitment, and abusive behavior. The course can be used in Grades 7-12.

SELTD



# GED PREP COURSES



## **GED Language Arts (36 UNITS)**

EMIS Code: 300030

This course is specifically designed to prepare students for the Language Arts portion of the GED (General Education Development) test. The course consists of 36 units covering a wide range of language arts topics and skills necessary for success on the exam. The units cover areas such as word parts, context clues, commonly confused words, author's purpose, author's point of view, theme, tone and mood, setting, reading skills assessment, subjects and predicates, fragments and run-ons, active and passive voice, verb tense, capitalization, punctuation, transitional words, commas, grammar skills assessment, main ideas, and details, summarizing, fact and opinion, sequence, cause, and effect, compare and contrast, problem and solution, classification, inference, fiction and non-fiction, and various informational topics in science, social studies, and the workplace. The course provides comprehensive coverage of the language arts skills necessary for success on the GED exam. Students will develop a solid foundation in reading comprehension, grammar, writing, and critical thinking by completing the course. They will also have the necessary skills to analyze and interpret various texts. The course culminates with a GED Language Arts Exam unit to assess students' readiness for the exam.

GEDLA

## **GED Math (36 UNITS)**

EMIS Code: 300030

The course "GED Math" is designed to prepare students for the Math portion of the GED (General Education Development) test. The course consists of 36 units covering a comprehensive range of math topics and skills necessary for success on the exam. The units are divided into three sections: Basic Math, Basic Algebra, Geometry Plus, and Graphs and Functions. In the Basic Math section, students will cover lessons on various foundational math topics, including arithmetic operations, fractions, decimals, percentages, and basic equations. The Basic Algebra section focuses on algebraic concepts such as variables, expressions, equations, inequalities, and systems of equations. The Geometry Plus section delves into geometric principles, including angles, lines, polygons, congruence, and area and volume calculations. The Graphs and Functions section introduces students to graphing techniques, linear and quadratic functions, and the interpretation of graphs. ***GED Math Continues on the next page***

# GED PREP COURSES *Continued*



## **GED Math (36 UNITS)**

### ***GED Math continued***

By completing the course, students will develop a solid foundation in essential math skills and concepts required for success on the GED Math exam. The course provides comprehensive coverage of the math topics tested on the exam, and students can apply their knowledge through practice exercises and assessments. The course culminates with two GED Math Exam units to assess student's readiness for the exam.

GEDMATH

## **GED Science (36 UNITS)**

EMIS Code: 300030

The course "GED Science" is designed to prepare students for the Science portion of the GED (General Education Development) test. The course consists of 18 units covering various life science, physical science, and Earth science topics. The life science units explore the muscular and nervous systems, respiratory, skeletal, and digestive systems, cells, cell theory, organelles, genetics, ecosystems, and biodiversity. These units provide an understanding of the human body, cellular structure, genetic inheritance, and ecosystem interrelationships. The physical science units cover atoms, matter, the metric system, energy, electricity, magnetism, motion, waves, and light. These units introduce students to fundamental concepts in chemistry and physics, including the building blocks of matter, energy transformations, and the properties of waves and light. The Earth science units focus on galaxies and the water cycle, providing insights into celestial structures, the Earth's water cycle, and its importance to the planet's ecosystem. Completing the course, students will gain a solid foundation in the scientific principles and concepts necessary for success on the GED Science exam. The course includes assessments to gauge understanding and reinforce learning. The course culminates with the GED Earth and Physical Science Test unit, allowing students to assess their readiness for the exam.

GEDSCI





## GED PREP COURSES *Continued*

### **GED Social Studies (36 UNITS)**

EMIS Code: 300030

This course is designed to prepare students for the Social Studies portion of the GED (General Education Development) test. The course consists of 36 units, covering a wide range of history, government, economics, and geography topics. The history units delve into key moments in American history, including the American Revolution, influential documents shaping the government, westward expansion, slavery, the causes of the American Civil War, and the post-war reconstruction period. The government units cover topics such as the sovereign state, the origin of the United States Constitution, the branches of government, the Bill of Rights, the separation of powers, political parties, elections, and interest groups. The economics units explore economic systems, supply and demand, trade, gross domestic product, time poverty, capitalism, communism, socialism, and trade wars. The geography units focus on urban, suburban, and rural areas, map skills, and the five themes of geography, human-environment interaction, and migration. By completing the course, students will gain a comprehensive understanding of key social studies concepts and develop the skills necessary to analyze historical events, comprehend governmental structures, evaluate economic systems, and interpret geographic information. The course culminates with the GED Social Studies Test unit, allowing students to assess their readiness for the exam.

GED Social Studies



# MODIFIED COURSES

## Grade 9-12



### **ENGLISH LANGUAGE ARTS**

Modified ELA 09 (A)(B)  
Modified ELA 10 (A)(B)  
Modified ELA 11 (A)(B)  
Modified ELA 12 (A)(B)

### **MATH**

Modified Algebra I (A)(B)  
Modified Geometry (A)(B)  
Modified Algebra II (A)(B)  
Modified Consumer Math (A)(B)

### **SCIENCE**

Modified Physical Science (A)(B)  
Modified Biology (A)(B)  
Modified Chemistry (A)(B)

### **SOCIAL STUDIES**

Modern World History (A)(B)  
Modified American History (A)(B)  
Modified American Government  
Modified Economics



# REMEDIAL COURSES

## Grade 9-12



*Remedial courses are based on any student with an IEP that needs to re-take a course because of a below proficient score on the state assessment. Each course is 18 units.*

### REMEDIAL COURSES

Remedial Algebra  
Remedial ELA II



# ESL COURSES

## Grade 9-12

*ESL Courses are written in Spanish*

### **ENGLISH LANGUAGE ARTS**

ESL English 9 (A)(B)  
ESL English 10 (A)(B)  
ESL English 11 (A)(B)  
ESL English 12 (A)(B)

### **MATH**

MATH ESL Geometry  
MATH ESL Math 9 (A)(B)  
MATH ESL Math 10 (A)(B)  
MATH ESL Math 11  
MATH ESL Math 11 (A)  
MATH ESL Math 12  
ESL Intervention Math (A)(B)  
ESL Integrated Math (A)(B)  
ESL Math III (A) (B)

### **SOCIAL STUDIES**

ESL World History (A)(B)  
ESL American History (A)(B)  
ESL American Government  
ESL Financial Literacy  
ESL Student Leadership  
ESL Economics

### **SCIENCE**

ESL Biology (A)(B)  
ESL Environmental Science (A)(B)  
ESL Forensic Science  
ESL Geology

### **HEALTH**

ESL Health  
ESL Physical Education

### **ART**

ESL Art Concepts

### **MUSIC**

ESL Music





# AES DIGITAL CURRICULUM

## BUSINESS FUNDAMENTALS, CAREER READINESS, & DIGITAL LITERACY



### Grades 9 -12

AES Courses are aligned with Career Readiness, Business Operations & 21st Century Skills

#### **AES Accounting (9 UNITS, 1/4 CREDITS)**

EMIS Code: 030100

Learn about business accounting basics including transactions, accounts, debets and credits, the accounting equation, the double-entry method, the accounting cycle, and financial analysis. This is a project-based course.

AESA

#### **AES Banking & Finance (9 UNITS, 1/4 CREDITS)**

EMIS Code: 030100

This course introduces students to the foundations of banking and finance. Students will investigate financial terms and concepts related to the banking, finance, and insurance industries. This is a project-based course.

AESBF

#### **AES Business Communication (9 UNITS, 1/4 CREDITS)**

EMIS Code: 030600

This course provides the principles of communication such as the sender-receiver model. Students will learn verbal, nonverbal, and collaborative skills for success in the workplace and society. This is a project-based course.

AESBC

#### **AES Business Law (9 UNITS, 1/4 CREDITS)**

EMIS Code: 030900

This course provides an understanding of illegal and unethical behaviors and the consequences of those actions in business scenarios. Students discover where laws come from, how they impact businesses, and the types of legal business entities. This is a project-based course.

AESBL



## **BUSINESS FUNDAMENTALS, CAREER READINESS, & DIGITAL LITERACY: *Continued***

### **Grades 9 -12**

#### **AES Career Development (9 UNITS, 1/4 CREDITS)**

EMIS Code: 0300010

This course provides an overview of the career planning process and the resources available to help students as they develop a career plan. This is a project-based course.

AESCD

#### **AES Coding Fundamentals (9 UNITS, 1/4 CREDITS)**

EMIS Code: 290200

This course will help students understand the fundamental concepts of computer science and coding. Students will learn vocabulary and concepts within the lessons. Many of the lessons include mini-projects where students complete coding tasks using a drag/drop block coding language. This is a project-based course.

AESCF

#### **AES Critical Thinking (9 UNITS, 1/4 CREDITS)**

EMIS Code: 300010

In this course, students take a journey with Elliot as he struggles with deciding his future after high school. Elliot encounters an unexpected companion who teaches him about critical thinking and how it can help someone make good decisions.

AESCT

#### **AES Customer Service (9 UNITS, 1/4 CREDITS)**

EMIS Code: 032800

This course helps students understand the importance of an employee's role in customer service and the importance of customer service in business. This is a project-based project.

AESCS

# **BUSINESS FUNDAMENTALS, CAREER READINESS, & DIGITAL LITERACY: *Continued***



## **Grades 9 -12**

### **AES Entrepreneurship (9 UNITS, 1/4 CREDITS)**

EMIS Code:141030

An introduction to entrepreneurship and the characteristics of an entrepreneur as they understand how to identify business opportunities by understanding markets and customers and the operational aspects of running a small business. This is a project-based course.

AESE

### **AES Google Docs (9 UNITS, 1/4 CREDITS)**

EMIS Code: 036000

This course provides an overview of the basics of Google Docs, including opening and saving files, entering and formatting text, and using editing and review tools. This is a project-based course.

AESGD

### **AES Google Forms (9 UNITS, 1/4 CREDITS)**

EMIS Code: 036000

Google Forms including creating and using forms and analyzing form responses.

AESGF

### **AES Google Sheets (9 UNITS, 1/4 CREDITS)**

EMIS Code: 036000

This course provides an overview of the essentials of Google Sheets, including rows and columns, selecting cells, entering formulas and functions, and formatting data and text. This is a project-based course.

AESGS

### **AES Google Slides (9 UNITS, 1/4 CREDITS)**

EMIS Code: 036000

This course provides an overview of Google Slides including themes, templates, and adding text and images to a presentation. This is a project-based course.

AESGSL



## **BUSINESS FUNDAMENTALS, CAREER READINESS, & DIGITAL LITERACY: *Continued***

### **Grades 9 -12**

#### **AES Job Seeking Skills (9 UNITS, 1/4 CREDITS)**

EMIS Code: 030100

This course provides an overview of tasks involved in finding, getting and resigning from a job. This is a project-based course.

AESJSS

#### **AES Keyboarding (9 UNITS, 1/4 CREDITS)**

EMIS Code: 299999

This course provides an overview of proper posture while sitting at a computer, touch typing, and the keys of a computer keyboard.

AESK

#### **AES Management (9 UNITS, 1/4 CREDITS)**

EMIS Code: 032300

This course provides an overview of the fundamental functions of management (Planning, Organizing, Evaluating/Controlling, Leading/Directing), types organizational structures of businesses, characteristics of a good manager, and how to manage in certain situations. This is a project-based course.

AESM

#### **AES Marketing (18 UNITS, 1/2 CREDITS)**

EMIS Code: 032300

This course provides an overview of the principles of marketing, product planning, and pricing and promotion strategies. Students explore customer relations, market segmentation, product life cycle, product mix, branding, product packaging, pricing, promotion & distribution. As a final project, students will design and implement a product package using Microsoft Word. This is a project-based course.

AESMK



# BUSINESS FUNDAMENTALS, CAREER READINESS, & DIGITAL LITERACY: *Continued*



## Grades 9 -12

### **AES Professionalism (9 UNITS, 1/4 CREDITS)**

EMIS Code: 032800

This course provides an overview of professionalism, including appearances, personal characteristics, and traits belonging to successful employees. Students practice evaluate the effectiveness of employees and dealing with workplace situations, including harassment, discrimination and bullying. This is a project-based course.

AESP

### **AES Public Speaking (9 UNITS, 1/4 CREDITS)**

EMIS Code: 050545

This course will support students in techniques for selecting a speech topic, preparing a speech, and practicing and delivering a speech. This is a project-based course.

AESPS

### **AES Social Communication (9 UNITS, 1/4 CREDITS)**

EMIS Code: 050545

Living Online will introduce students to The Dream Squad. This cast of characters will guide learners through making good decisions about online behaviors as well as learning more about smartphones. This is a project-based course.

AESSC

### **AES Written Communication (9 UNITS, 1/4 CREDITS)**

EMIS Code: 050545

This course provides an overview on how to write effective business communications, specifically emails and letters.

AESWC

### **AES Web Research (18 UNITS, 1/2 CREDITS)**

EMIS Code: 290130

This course provides an overview of how the Internet and World Wide Web work. They learn about different methods for searching for and evaluating information as well as using it ethically. This is a project-based course.

AESWR



## Grade 9-12 BUSINESS & CAREER READINESS



### **CT Agriculture (1/4 CREDIT)**

EMIS Code: 300010

Ohio Means Jobs website has broken down careers into Career Clusters. In this nine-unit course, students look at careers in the Agriculture and Environmental Systems Cluster.

CTA

### **CT Business Administration (1/4 CREDIT)**

EMIS Code: 030500

In this nine-unit course, students learn what it means to have a career in business. They also research four careers in the Business Cluster and search for information regarding these careers on the Ohio Means Jobs website.

CTBA

### **CT Career Exploration (1/2 CREDIT)**

EMIS Code: 300010

Students complete eighteen units on four careers: Chef or Head Cook, Landscape Gardener, Registered Nurse, and Probation Officer. There is an emphasis on the skills needed in these careers in areas of Literacy, Math, College and Career Readiness, and Journal Reflection.

CTCE

CTCRCE

### **CT Career Planning (1/2 CREDIT)**

EMIS Code: 300010

The process of finding a job can be overwhelming and a little intimidating. This eighteen-unit course guides students step by step through the process, which involves applying, accepting, and keeping their next job.

CTCP



## Grade 9-12

### **BUSINESS & CAREER READINESS *Continued***

#### **CT Career Readiness (1/2 CREDIT)**

EMIS Code: 300010

In this eighteen-unit course, students study the skill sets necessary for success in the world of work. There is an emphasis on communication, teamwork, and attitude.

CTCR

#### **CT Introduction to Oil and Gas (1/4 CREDIT)**

EMIS Code: 300010

This nine-unit course is designed to give an introduction to the oil and gas industry through the Ohio Oil and Gas Energy Education Program (OOGEEP) website. Students explore the history of oil and gas in Ohio and use the OOGEEP website to watch videos and engage in interactive activities. The course provides an understanding of the workings of the oil and gas business, not only in Ohio but throughout the United States.

CTIOG

CTCRIOG

#### **CT Marketing Basics (1/2 CREDIT)**

EMIS Code: 300010

In this eighteen-unit course, students learn about the primary components, methods, and uses of marketing. Marketing focuses on the promotion of various products offered by businesses/companies and can include either goods or services. Topics discussed throughout this course include the following: understanding what marketing is, promotion, mission statements, pricing, advertising, decision-making, digital marketing, developing new ideas, supply chains, sales, and customer relationship management.

CTMB

CTCRMB

#### **CT Oilfield Basics (1 CREDIT)**

EMIS Code: 300010

This thirty-six-unit course introduces students to all the major operations within today's shale plays in the United States. It covers a wide variety of topics, such as the divisions of the industry, leasing, well pad construction, and drilling operations. The course is designed to prepare students to be ready for work when they arrive at the job site.

CTOB



## Grade 9-12

### BUSINESS & CAREER READINESS *Continued*

#### **CT Ohio Means Jobs (1/4 CREDIT)**

EMIS Code: 300010

This nine-unit course is designed to give an introduction to the Ohio Means Jobs website. After the course, the student has a career plan and will be ready to search and to apply for jobs on this site.

CTOMJ

#### **CT Public Safety (1/4 CREDIT)**

EMIS Code:300010

In this nine-unit course, students learn about and research careers in the law, public safety, corrections, and security job cluster. They also research eight careers in the Public Safety cluster and search for information regarding these careers on the Ohio Means Jobs website.

CTPS

CTCRPS

#### **Modified Financial Literacy**

EMIS Code: 153001

This course is designed to provide students with a foundational understanding of key concepts and skills related to personal finance. The course consists of 18 units that cover various aspects of financial literacy. The course begins by exploring the topic of taxes, introducing students to the basics of taxation and its impact on individuals and the economy. Government spending and fiscal policy are also discussed, shedding light on how the government manages its finances and influences the economy. The course also emphasizes the connection between economics and personal finance, exploring how economic factors impact individuals and their financial well-being. Concepts such as budgeting, income, expenses, and living within a budget are discussed to give students practical knowledge and strategies for making informed financial decisions. Throughout the course, students can engage in activities and assessments to reinforce their understanding of financial concepts and skills. By completing this course, students will develop a solid foundation in financial literacy, enabling them to navigate their personal finances more effectively and make informed financial choices.

SSMFL





## Grade 9-12

### **BUSINESS & CAREER READINESS *Continued***

#### **CT Student Leadership (1/2 CREDIT)**

EMIS Code: 300010

The eighteen-unit course is designed to prepare students for leadership roles and responsibilities. Students learn how to apply leadership principles and skills in their everyday lives. They study theories and styles of leadership along with goal setting, time management, and decision making.

CTSL

#### **CT Stem Careers (1/4 CREDIT)**

EMIS Code: 300010

This nine-week course provides opportunities to learn about careers in the areas of science, technology, engineering, and math. Students complete projects and research activities while exploring STEM-related fields, such as forensic science, electrical engineering, and environmental science.

CTSTEMCAR

#### **CT Study Skills (1/2 CREDIT)**

EMIS Code: 300010

This eighteen-unit course is broken down into two, nine-unit sections. The first nine units concentrate on student learning styles, management of study time, study routines, note-taking strategies, and test-taking tips. The next nine units emphasize reference sources, memorization techniques, strategies for taking standardized tests, and tips for building vocabulary skills. Each unit consists of Prezi or PowerPoint lectures. Students encounter different types of activities and video presentations as they follow along with the lecture. A concept check is administered to assess the student's knowledge at the end of each unit. When students finish the course, they are asked to compile a portfolio of study skills and strategies.

CTSS



# Grade 9-12 ENGLISH LANGUAGE ARTS



## **ELA English 9 (1 CREDIT)**

EMIS Code: 050160

This thirty-six unit course is designed to prepare Ohio students for the AIR English Language Arts I Assessment. The Argumentative and Informative/Essay writing course is divided into two, nine-unit sessions. The first nine units focus on creating argumentative essays. This section is broken down into an overview of arguments, transition words, introduction paragraph, body paragraphs, claims, counterclaims, and the closing paragraph. The second group of nine units hones in on how to create an informative/expository essay. Units focus on introductory paragraphs, body paragraphs, closing paragraphs, as well as an overview of the informative essay. Students are asked to use the in-text citation for both essays. This is reviewed in both sections. Starting in Unit 19, there is an introduction to literary analysis, which is the practice of looking closely at small parts to see how much they affect the whole. A literary analysis essay always discusses the significance of the reader's observations to the main idea about life (the theme). Finally, beginning in Unit 28, informational text is taught. Students read several different passages and answer questions based on these passages. Informational text is a type of nonfiction writing that is written to inform the reader about a specific topic. Students learn about the central idea being the most important point that the author wants to convey about a topic.

ELA09 (A)  
ELACR09  
ELAM09  
ELAS09



## Grade 9-12

### ENGLISH LANGUAGE ARTS *Continued*

#### **ELA English 10 (1 CREDIT)**

EMIS Code: 050170

This thirty-six unit course is designed to prepare students for the AIR English Language Arts II Assessment. Students apply the writing process to develop argumentative, persuasive, opinion, informative, expository/ explanatory, and literary analysis essays. Additionally, students read, analyze, and respond to various literary genres, including argumentative texts, historical documents, poetry, short stories, dramas, and other genres that appear on the AIR Assessment. Each unit coaches' students to read a particular genre and to answer the questions that appear on the AIR Assessment. Finally, at the end of every unit, students review grammar and language conventions, including parts of sentence parts, sentence types, parallel structure, capitalization, and punctuation.

ELA10

ELACR10

ELAM10

ELAS10

#### **ELA English 11 (1 CREDIT)**

EMIS Code: 050180

This course consists of thirty-six units. In Units 1 through 18, students review the basics of grammar, refine writing, improve vocabulary, and delve into the world of American literature. Students apply the writing process to review paragraph writing and functional document writing, such as business letters and resumes. Students also write longer descriptive and persuasive compositions and engage in several creative writing activities. They apply research skills to develop a persuasive speech. In Units 19 through 36, students read, analyze, and respond to various genres in American literature, including poetry, short stories, nonfiction, and the novel, *Ethan Frome* by Edith Wharton.

ELA11

ELACR11

ELAM11

ELAS11

ELARE11



## Grade 9-12

### ENGLISH LANGUAGE ARTS *Continued*

#### **ELA English 12 (1 CREDIT)**

EMIS Code: 050190

In this course of thirty-six units, students read and respond to a variety of excerpts from informational texts and primary sources. They examine the elements of poetry based on the works of Maya Angelou, Robert Frost and others. The use of rhetorical and rhetorical techniques is also discussed. Students review the conventions of standard English and apply the writing process to produce paragraphs and essays.

ELA12  
ELACR12  
ELAM12  
ELAS12

#### **ELA Greek Mythology (1/2 CREDIT)**

EMIS Code: 059999

In this eighteen-unit course, students learn about Greek mythology through reading, writing, and research. Material covered includes excerpts from Homer's Iliad and Odyssey. The units and assignments in this course correspond with Ohio's Learning Standards for English Language Arts.

ELAGM

#### **ELA Poetry (1/2 CREDIT)**

EMIS Code: 059999

Poetry is an eighteen-unit course. Students read selected poems that are meant to encourage and motivate further reading. Poems are read and analyzed through written assignments. Because recitation is a major part of understanding the emotions involved in poetry, students are required to submit recordings to their teacher frequently.

ELAP

#### **ELA Roman Mythology (1/2 CREDIT)**

EMIS Code: 059999

In this eighteen-unit course, students learn about Roman mythology through reading, writing, and research. Material covered includes excerpts from the Aeneid. The units and assignments in this course correspond with Ohio's Learning Standards for English/Language Arts.

ELARM



## Grade 9-12

### ENGLISH LANGUAGE ARTS *Continued*

#### **ELA Short Stories I (1/2 CREDIT)**

EMIS Code: 059999

Short Stories is an eighteen-unit course. The stories are selected to encourage and to motivate students to read and enjoy literature from a wide variety of authors. Students read several short stories and use the writing process to respond to each selection. They are required to complete projects and conduct independent research. Content is aligned with grades 9-11 in the Language Arts Reading Standards.

ELASSI

ELACRSSI

#### **ELA Short Stories II (1/2 CREDIT)**

EMIS Code: 059999

This course is designed to deepen students' understanding and analysis of various short stories. The course focuses on different elements of storytelling, such as character development, point of view, unknown word meanings, text structure, theme identification, summarizing, and finding supporting evidence. Throughout the course, students will engage with a variety of short stories, including "Athena and the Dandelions," "Cracks of Gold," "Recognition," "All Summer in a Day," "A Man Who Had No Eyes," "Saturday School," "Into the Rapids," "Charles," "Black Blizzard," "The Scholarship Jacket," "No-Guitar Blues," "The Party," "Lucky Feet," "Matthias and the Dragons," "The Wild Dog of Caucomgomoc," "Stray," and "Thank You, M'am." Students will learn how to analyze character changes and perspectives, identify and interpret unknown word meanings, analyze text structures, determine themes, summarize stories, and find supporting evidence from the text. These skills are crucial for comprehending and appreciating literature and developing critical thinking and analytical abilities. The units in the course provide guidance and opportunities for students to explore and delve into the rich literary aspects of each short story. By completing this course, students will enhance their reading comprehension skills, develop a deeper appreciation for literary works, and sharpen their ability to analyze and interpret short stories effectively.

ELASSII





## Grade 9-12 FAMILY AND CONSUMER SCIENCE



### **FCS Child Development (1/2 CREDIT)**

EMIS Code: 230200

Parenting involves many years of a person's life, but often, people are not prepared for the challenge. This eighteen-unit course encourages students to think about skills involved in parenting, explore if or when they would like to become a parent and changes which occur during pregnancy. It also explores the growth that a child experiences through physical, emotional, moral, social, and intellectual development. Many careers available today touch on some facet of child development. This course briefly discusses some of these professions and the training that is required to work in these fields.

FCSCD

### **FCS Family Living (1/2 CREDIT)**

EMIS Code: 230500

This eighteen-unit course prepares students for life after high school. They explore available housing choices as well as advantages of renting an apartment or buying a home. Students look at setting up a house and turning it into a home. Food preparation is an important part of the course. There are opportunities to prepare simple recipes and to practice cooking skills. Washing clothes is a breeze after students examine laundry basics. Budgeting, writing checks, and examining consumer issues prepare participants in this class for working with finances. Decision-making and communication skills are also stressed.

FCSFL

FCSCR

# Grade 9-12

## FINE ARTS



### **FA Art History (1/2 CREDIT)**

EMIS Code: 020101

In this eighteen-unit course, students learn not only to analyze and appreciate art but to enjoy it. This course presents the changes and artistic movements from the prehistoric to the modern. The course starts by studying cave art and Classical Greek art; then, it moves through history and covers the Renaissance, Colonial American, Realism, and Impressionism. It ends with the late twentieth century's New Media. All this is included and more, giving a cohesive timeline from which students may gain an accurate view of history.

FAAH

FACRAH

### **FA Renaissance Art (1/2 CREDIT)**

EMIS Code: 029999

This course, consisting of eighteen units, exposes students to the great artists of the Renaissance period. It teaches them the tricks and illusions that forever changed the world's view of painting and sculpture. Students learn the elements of art and become acquainted with the principles of design. The works of the Renaissance are not studied in chronological order but in terms of the elements and how the artists implemented the elements. The techniques, employed by the Renaissance artists, still influence artists today. Through this study of artistic technique, students understand the impact of the Renaissance and appreciate its influence.

FARA



## Grade 9-12

# ART: *Continued*

### **ESL Art Concepts (1/2 CREDIT)**

EMIS Code: 020101

The course covers color theory, painting, drawing, digital animation, imagination, cinema, graphic design, traditional animation, portraiture, pop art, surrealism, impressionism, architecture, drawing to scale, sculpture, dance, theater, and composition. Throughout the course, students will explore different artistic concepts and techniques, gaining an appreciation for diverse art forms and styles. They will learn about the use of color, different mediums, and the creative process. Additionally, they will explore various art disciplines, including visual arts, performing arts, and digital arts. By the end of the course, learners will have an expanded understanding of art concepts and vocabulary and improved English language skills through studying and discussing artistic topics. The course consists of 18 units.

FASAC

# Grade 9-12



## MUSIC



### **FA Music Appreciation (1/2 CREDIT)**

EMIS Code: 120800

This eighteen-unit course considers music to be a reflection of the history of our world and/or country. Each country has developed specific music giving it its own humanistic value. Music gives students a chance to understand and appreciate each period of history: it influenced the past, defines the present, and affects the future. This course is designed to give students a taste of the music and culture from each designated period in the timeline of music history. The topics in this course are enhanced with video segments to help students comprehend the era in which each style of music was incorporated. Many audio pieces give the student a feel for the spectrum of music history, its composers, and/or their repertoires. Music Appreciation helps students gain a better understanding of and a new appreciation for the world of music.

FAMA

FACRMA

### **FA History of Rock & Roll (1/2 CREDIT)**

EMIS Code: 129999

In this eighteen-unit course, students begin with a brief lesson in basic music terminology that helps them understand the development of this American popular music genre. They then study the origins of Rock and Roll beginning in the 1950s and its numerous musical-style developments, including, Rockabilly, Motown, the British Invasion, Folk Rock, Psychedelic Rock, Hip Hop, Disco and Funk. Students also get an in-depth look at some of the biggest names in the history of Rock and Roll from Elvis and Little Richard to Led Zeppelin and Kurt Cobain. Numerous video and audio recordings are used throughout the class as a resource to assist students in understanding the development of this genre of music. Some of these videos and recordings may be considered inappropriate due to the topics covered within the music or language used within the songs. However, they are an integral part of the history of Rock and Roll.

FAHRR

FACRHRR



## Grade 9-12

# MUSIC: *Continued*

### **FA History of Jazz (1/2 CREDIT)**

EMIS Code:129999

In this eighteen-unit course, students begin with a brief lesson in basic music terminology that helps them understand the development of this American popular music genre. They study the origins of jazz in the nineteenth century and its numerous musical style developments, including, Ragtime, Swing Music, Bebop, Cool Jazz, Free Jazz, Fusion, and Modern Jazz. Students also get an in-depth look at some of the biggest names in jazz from Louis Armstrong and Duke Ellington to Miles Davis and Wynton Marsalis. Numerous video and audio recordings are used throughout the class as a resource to assist students in understanding the development of this genre of music.

FAHJ

FACRHJ

### **FA Introduction to Theatre I (1/2 CREDIT)**

EMIS Code: 050600

Throughout this eighteen-unit course, students learn about the theatre from its origins to modern opening nights. They also have the opportunity to develop their own skills in lighting, set and costume design as well as acting, directing, producing, and script development. Various forms of plays are discussed; this covers a large period, targeting the relationship theatre has with society. Students learn to develop an appreciation for theatre and skills for critical evaluation of theatrical productions.

FAIT





# Grade 9-12

## **MUSIC: *Continued***

**ESL Appreciation Music(1/2 CREDIT)**

EMIS Code: 120800

The course covers topics such as the Harlem Renaissance, jazz, Louis Armstrong, blues, Elvis Presley, 1960s folk music, The Beatles, Latin music, country music, hip hop, melody and harmony, reading music, musical scales, key signatures, and time signatures, vocal music, percussion instruments, and wind instruments.

Throughout the course, students will explore the rich history and diversity of music, learning about influential artists, musical styles, and elements of music theory. They will gain an understanding of different musical genres and develop vocabulary and listening skills related to music. By the end of the course, learners will have a broader appreciation of music and its cultural significance and improved English language skills through studying and discussing musical topics. The course consists of 18 units.

FASM

## Grade 9-12



# HEALTH



### **HE Health (1/2 CREDIT)**

EMIS Code: 260101

This eighteen-unit course focuses on helping students to become responsible for their personal wellness. Students develop basic knowledge and understanding of body systems, body functions, and body needs. They practice and implement healthy habits and routines that properly support and care for these systems, functions, and needs.

HEH

HECR

HES

### **HEPE Physical Education (1/2 CREDIT)**

EMIS Code: 080300

In this eighteen-unit course, students learn about being active and improving physical fitness. Each student chooses his or her own physical activities and participates in them for fifty minutes, three days per week. Students are required to keep a log of these activities. The course also emphasizes warming up, cooling down, staying hydrated, and eating well.

HEPE

HEPES



# Grade 9-12 MATHEMATICS

## **MATH Algebra I (1 CREDIT)**

EMIS Code: 110301

In this course consisting of thirty-six units, students connect physical, verbal, and symbolic representations of the real number system; investigate properties including closure; demonstrate fluency in computations with real numbers; solve and graph linear equations and inequalities. Students use formulas to solve problems including exponential growth and decay; add, subtract, multiply, and divide monomials and polynomials; and solve quadratic equations with real roots by graphing, formula, and factoring. Students define functions, determine slope, calculate distance, and draw graphs of linear equations using slope, y-intercept, parallel, and perpendicular lines; determine the characteristics of linear, quadratic, and exponential functions; solve systems of linear equations involving two variables graphically and symbolically; simplify and compute with rational and radical expressions; model and solve problem situations involving direct and indirect variation. They describe and interpret rates of change from graphical and numerical data; find, use, and interpret measures of center and spread to compare and draw conclusions about data; evaluate the appropriateness of data collection and analysis, and identify possible misuses of statistical data. They use counting techniques and the Fundamental Counting Principle to determine possible outcomes, compute probabilities of compound events, independent events, and simple dependent events; and make predictions based on theoretical probabilities and experimental results. Students define basic trigonometric ratios in right triangles and apply proportions to solve problems involving right triangle trigonometry.

MATHA1

MATHCRA1

MATHCRA1B

MATHMA1

MATHS09

MATHFA1

MATHCPA1

MATHRA1



## Grade 9-12

### MATHEMATICS *Continued*

#### **INTEGRATED MATH I (1 CREDIT)**

EMIS Code: 110010

In this course of thirty-six units, students connect physical, verbal, and symbolic representations of the real number system; investigate properties including closure; estimate, compute, solve, and judge reasonableness of problems with real numbers, including ratio, proportion, percent, integers, rational numbers, numbers expressed in scientific notation, and square roots of perfect and non-perfect squares. They generalize patterns and sequences and apply formulas to real-world problem situations. Students solve and graph linear equations and inequalities; compute polynomials; define functions; determine slope and intercepts; draw graphs of linear equations and inequalities, and explore simple quadratic equations. They graph solutions to equations; use coordinate geometry to analyze properties of two-dimensional figures and perform translations, reflections, rotations, and dilations; define basic trigonometric ratios in right triangles, and apply proportions to solve problems involving right triangle trigonometry. Students apply direct and indirect measurement techniques, tools, and derivation of formulas to determine the perimeter, area, volume, and various attributes of plane and solid geometric figures. They use measures of center and spread to analyze data; evaluate the change of data and display it appropriately in graphs; make predictions based on samples representative of a larger population; use permutations and combinations to calculate the number of possible outcomes recognizing repetition and order; and compute the probability of compound events, independent events, and simple dependent events.

MATHIMI

#### **MATH Geometry (1 CREDIT)**

EMIS Code: 111200

In this course consisting of thirty-six units, students formally define geometric figures; describe and apply the properties of similar and congruent figures, and justify conjectures involving similarity and congruence. They recognize and apply angle relationships in situations involving intersecting lines, perpendicular lines, and parallel lines; use coordinate geometry to represent and examine the properties of geometric figures including slope, midpoint, distance, parallel, and perpendicular lines; draw and construct representations of two-and three-dimensional geometric objects using a variety of tools, such as straightedge, compass, and technology. Students represent and model transformations in a coordinate plane and describe results; prove or disprove conjectures and establish the validity of conjectures about geometric objects, their properties, and relationships by counterexample, inductive and deductive reasoning, and critique arguments made by others. Students use right triangle trigonometric relationships to determine lengths and angle measures, *GEOMETRY continues on the next page.*



# Grade 9-12

## MATHEMATICS *Continued*

### *GEOMETRY CONTINUED*

use algebraic representations to model and solve problem situations and to describe and generalize geometric properties and relationships; connect physical, verbal, and symbolic representations of irrational numbers; calculate and explain the difference between absolute error and relative error; interpret the relationship between two variables using multiple graphical displays and statistical measures; model problems dealing with uncertainty with area models; differentiate and explain the relationship between the probability of an event and the odds of an event.

MATHG

MATHCRG

MATHMG

MATHS10

MATHSG

MATHCPG

### **MATH Integrated Math II (1 CREDIT)**

EMIS Code: 110020

In this course of thirty-six units, students study the topics presented in geometry but in a modified format. On occasion, students find that problems and/or explanations have been adapted to a simpler format. Students are given extra guidance with more difficult problems. Students formally define geometric figures; describe and apply the properties of similar and congruent figures, and justify conjectures involving similarity and congruence. They recognize and apply angle relationships in situations involving intersecting lines, perpendicular lines, and parallel lines; use coordinate geometry to represent and examine the properties of geometric figures, including slope, midpoint, distance, parallel, and perpendicular lines; draw and construct representations of two- and three-dimensional geometric objects using a variety of tools, such as straightedge, compass, and technology. Students represent and model transformations in a coordinate plane and describe the results; prove or disprove conjectures and establish the validity of conjectures about geometric objects, their properties, and relationships by counterexample, inductive and deductive reasoning, and critique arguments made by others. Students use right triangle trigonometric relationships to determine lengths and angle measures; use algebraic representations to model and solve problem situations and to describe and generalize geometric properties and relationships.

MATHIMII

MATHCRIMII





## Grade 9-12

### MATHEMATICS *Continued*

#### **MATH Algebra II (1 CREDIT)**

EMIS Code: 110302

In this course consisting of thirty-six units, students begin by reviewing basic algebra and geometry topics. They demonstrate fluency in operations with real numbers, vectors, and matrices; represent and compute with complex numbers; use fractional and negative exponents to find solutions for problem situations; describe and compare the characteristics of the families of quadratics with complex roots, polynomials of any degree, logarithms, and rational functions. Students investigate rates of change, intercepts, zeros and asymptotes of polynomial, rational, and trigonometric functions graphically and with technology; identify families of functions with graphs that have rotation symmetry or reflection symmetry about the y-axis, x-axis, or  $y = x$ . They solve problems with matrices and vectors, solve equations involving radical expressions and complex roots, solve 3 by 3 systems of linear equations, and solve systems of linear inequalities; solve quadratic expressions, investigate curve fitting, and determine solutions for quadratic inequalities. They investigate exponential growth and decay and use recursive functions to model and solve problems; compute with polynomials and solve polynomial equations using a variety of methods including synthetic division and the rational root theorem; solve inverse, joint, and combined variation problems; solve rational and radical equations and inequalities; and describe the characteristics of the graphs of conic sections. They analyze the behavior of arithmetic and geometric sequences and series. Students use permutations and combinations to calculate the number of possible outcomes recognizing repetition and order; compute the probability of compound events, independent events, and dependent events. They use descriptive statistics to analyze and interpret data, including measures of central tendency and variation.

MATHAII

MATHCRAII

MATHMAII

MATHSII

MATHCPAII



# Grade 9-12

## MATHEMATICS *Continued*

### **MATH Data Science Foundation (1 CREDIT)**

EMIS Code:119980

This course provides a solid foundation in mathematical concepts and skills relevant to data science. The course consists of thirty-six units, authored by Ryan Loveless, covering various topics in sets, classification of numbers, numerical and algebraic expressions evaluation, laws of exponents, the Pythagorean theorem, geometric shapes, polynomial operations, and division of polynomials. The units cover essential mathematical principles and techniques for working with data in a scientific and analytical context. Students will learn how to classify numbers and work with sets, evaluate numerical and algebraic expressions, apply laws of exponents, calculate areas and perimeters of geometric shapes, perform operations on polynomials, and utilize the Pythagorean theorem. Students will develop a strong mathematical foundation for data science and related fields throughout the course. The course includes a comprehensive range of units that progressively build upon each other, ensuring a systematic and thorough understanding of the topics. By completing this course, students will acquire the mathematical skills and knowledge needed to confidently approach data analysis and interpretation in a data science setting.

MATHDSF

### **MATH Integrated Math III (1 CREDIT)**

EMIS Code: 110030

In this course of thirty-six units, students study the topics presented in algebra but in a modified format. On occasion, students find that problems and/or explanations have been adapted to a simpler format. Students are given extra guidance with more difficult problems. In this course, students review basic algebra and geometry topics. They demonstrate fluency in operations with real numbers, vectors, and matrices; represent and compute with complex numbers; use fractional and negative exponents to find solutions for problem situations; describe and compare the characteristics of the families of quadratics with complex roots, polynomials of any degree, logarithms, and rational functions. They investigate rates of change, intercepts, zeros and asymptotes of polynomial, rational, and trigonometric functions graphically and with technology; identify families of functions with graphs that have rotation symmetry or reflection symmetry about the y-axis, x-axis, or  $y = x$ .

*Integrated Math continues on the next page.*



## Grade 9-12

### MATHEMATICS *Continued*

#### *Integrated Math continued*

They solve problems with matrices and vectors, solve equations involving radical expressions and complex roots, solve 3 by 3 systems of linear equations, and solve systems of linear inequalities; solve quadratic expressions, investigate curve fitting, and determine solutions for quadratic inequalities; investigate exponential growth and decay and use recursive functions to model and solve problems. They compute with polynomials and solve polynomial equations using a variety of methods, including synthetic division and the rational root theorem; solve inverse, joint, and combined variation problems; solve rational and radical equations and inequalities, and describe the characteristics of the graphs of conic sections. Students use permutations and combinations to calculate the number of possible outcomes recognizing repetition and order; and compute the probability of compound events, independent events, and dependent events.

MATHIMIII

MATHCRIMIII

#### **MATH Modeling & Reasoning (1 CREDIT)**

EMIS Code:111350

This course is designed to develop students' mathematical modeling and quantitative reasoning skills. The course covers a wide range of topics related to ratios, tape diagrams, rates, unit rates, conversions of measures, proportional relationships, fractions, decimals, percentages, percent equations, simple interest, the Pythagorean theorem, statistics, probability, equations, and formulas. Throughout the course, students will learn how to apply mathematical concepts to real-life situations and solve problems using quantitative reasoning. They will develop an understanding of ratios, proportions, and percentages and the ability to work with fractions, decimals, and rates. The course also covers statistical concepts such as measures of center and variation, probability, and sampling. The units are carefully structured to provide a progressive learning experience, building upon previous knowledge and skills. By completing the course, students will develop a solid foundation in mathematical modeling and quantitative reasoning, essential skills for success in various fields, including data analysis, finance, and scientific research. The course includes exams to assess students' understanding and ensure mastery of the covered topics.

MATHMR



# Grade 9-12

## MATHEMATICS *Continued*

### **MATH Advanced Math (1 CREDIT)**

EMIS Code: 110099

In this thirty-six-unit course, students explore pre-calculus topics. Students determine what properties hold for operations with complex numbers. They apply combinations as a method to create coefficients for the Binomial Theorem; solve problems involving derived measurements; use radian measures to solve problems involving angular velocity and acceleration; apply informal concepts of successive approximation, upper and lower bounds, and limits in measurement situations. Students use matrices to represent translations, reflections, rotations, dilations, and their compositions; derive and apply the basic trigonometric identities; relate graphical and algebraic representations of lines, simple curves, and conic sections. Students recognize and compare specific shapes and properties in multiple geometries; analyze the behavior of arithmetic and geometric sequences and series as the number of terms increases; translate between the numeric and symbolic form of a sequence or series. They describe and compare the characteristics of transcendental and periodic functions and represent the inverse of a transcendental function symbolically; solving systems of equations using matrices and graphs, with and without technology. They use mathematical induction and explore the concepts of limit; compare estimates of the area under a curve over a bounded interval by partitioning the region with rectangles; translate freely between polar and Cartesian coordinate systems; use the concept of limit to find instantaneous rate of change for a point on a graph as the slope of a tangent at a point. They use descriptive statistics to analyze and summarize data, including measures of center, dispersion, correlation, and variability; and use theoretical or experimental probability to determine probabilities in real-world situations involving uncertainty.

MATHAM

### **MATH Calculus (1 CREDIT)**

EMIS Code: 110099

This course consists of thirty-six units and covers topics similar to those explored in an entry-level, college Calculus course, such as those offered at most colleges or universities. It is written by the Ohio Academic Content Standards and includes such topics as limits, rates of change, differentiation, functions of derivatives, indefinite and definite integrals, areas in a plane, volumes of generated solids, L'Hôpital's Rule, and slope fields. This course can be demanding at times; however, when explored with an open mind, Calculus can be an enjoyable challenge.

MATHC



## Grade 9-12

### MATHEMATICS *Continued*

#### **MATH Intervention Math (1 CREDIT)**

EMIS Code: 111950

This course consists of thirty-six units and is designed to review the basic concepts necessary for success in applying mathematics in real-life situations. The subject matter studied is familiar and motivational, integrating problem-solving and focusing on real applications of mathematical skills. This course is designed primarily for the student who seeks to improve his or her knowledge of basic mathematics. Topics studied include computations and applications of whole numbers, decimals, fractions, ratios, and percent; measurement in metric and customary units; geometric figures, finding volume and surface area; statistics, graphs, probability, integers, the coordinate plane, and algebraic equations.

MATHIM

MATHCRIM

#### **ESL Consumer Math (1 Credit)**

EMIS Code: 119999

The course covers a wide range of topics related to income, saving money, financial responsibility, producers and consumers, labor and income, spending habits, financial decision-making, expenses, saving options, financial institutions, income calculations, financial records, budgeting, debit cards, credit management, credit history, consumer math review, semester exam, and various daily marketplace scenarios related to money management. Throughout the course, students will learn essential concepts such as calculating income, making informed financial decisions, budgeting, managing credit, understanding forms of payment, and developing thrifty habits. Additionally, they will explore real-life scenarios related to purchasing goods and services, managing money, and avoiding common financial mistakes. By the end of the course, learners will have acquired practical skills and knowledge that will help them make informed financial choices and effectively manage their personal finances. The course consists of 36 units.

MATHS12

#### **MATH Applications of Math (1/2 CREDIT)**

EMIS Code: 119999

The Mathematics of Applications course will cover math concepts spanning your entire mathematical student career. The aspects of technology is embedded in mathematics which includes use of calculators, computers, and software applications.

MATHAPPM

MATHCRAPPM

Revised August 8, 2023





# Grade 9-12

## MATHEMATICS *Continued*

### **MATH Business Math I (1/2 CREDIT)**

EMIS Code: 030500

In this eighteen-unit course students learn to use math concepts in real-world situations. They compute wages, commissions, and tips. Several types of accounts, including checking and savings, are also discussed. Students create, interpret, and analyze different types of graphs. They calculate perimeter, area, and volume in real-world settings. Students learn about sales tax, installment plans, and finance charges for credit cards. They use comparative shopping techniques, such as finding the best buys, applying discounts, and ordering from catalogs. Car ownership, including gas mileage, depreciation, insurance, and financing, are also addressed. Students investigate the cost of home ownership, financing, property taxes, insurance, maintenance, and improvements. They explore the cost of travel, calculate gas mileage, determine lodging costs, and currency change.

MATHBM1

MATHCRBMI

### **MATH Business Math II (1/2 CREDIT)**

EMIS Code: 030500

In this second part of the eighteen-unit course students learn to use math concepts in real-world situations. They will use Scientific Notation, Real Number System, Ratio, Proportion, Percent, Measurements, and Probability.

MATHBMII

MATHCRBMII

### **AIR Algebra (SUPPLEMENT)**

This supplement consists of three units and is based on Ohio's Learning Standards. It offers a review of mathematical vocabulary, problems to solve, and performance tasks for additional practice in algebra.

CA Algebra

### **AIR Geometry (SUPPLEMENT)**

This supplement consists of three units and is based on Ohio's Learning Standards. It offers a review of terms associated with geometry, problems to solve, and performance tasks for additional practice.

CA Geometry



## Grade 9-12 SCIENCE



### **SCI Physical Science (1 CREDIT)**

EMIS Code: 132220

Throughout the thirty-six units of this course, students learn about a variety of topics. Some broad areas offered for study include matter, energy, waves, forces, motion, and the universe. When studying the properties of matter, students learn about atoms, how matter is classified, how to use the periodic table, chemical bonding, and reactions. When exploring energy and waves, they study conservation, the transfer of energy, properties of waves, thermal energy, and electricity. Within forces and motion, students investigate and graph velocity and acceleration, interpret force diagrams and learn how forces affect motion. As students study the universe, they learn about its history, galaxy formation, and the life cycle of stars. The course includes videos, guided notes, SAS labs, and PhET Interactive Simulations.

SCIPS

SCICRPS

SCIMPS

SCISPS

### **SCI Biology (1 CREDIT)**

EMIS Code: 132330

This course consists of thirty-six units. It emphasizes the concepts, principles, and theories that enable people to understand the living environment. Students study life science concepts, such as the structure, function, and processes of cells, the genetic and molecular basis of inheritance, biological evolution of various species, and the diversity and interdependence of life. Students acquire the knowledge to explain the flow of energy and the cycling of matter through biological and ecological systems in this course. Embedded throughout the units are the basic scientific processes of inquiry, modeling investigations, and the nature of science. Students learn to trace the historical development of scientific theories, ideas, and ethical guidelines in science. This course also addresses the interdependence of science and technology, along with the study of emerging issues. This enables students to become scientifically, literate citizens.

SCIB

SCICRB

SCIMB

SCISB

SCICPB

Revised August 8, 2023



# Grade 9-12

## SCIENCE *Continued*

### **SCI Chemistry with Lab (1 CREDIT)**

EMIS Code: 130301

This course, consisting of thirty-six units, begins with the evolution of the atomic theory, an examination of the periodic table, intra molecular chemical bonding and phases of matter. Students learn to write chemical formulas and to calculate formula mass. Types of reactions, gas laws, kinetics, acids, bases, fission, and fusion are also covered. PhET Interactive Simulations and Virtual ChemLab allow students to experience a laboratory setting by using virtual equipment and lab techniques.

SCIC

SCICRC

SCIMC

### **SCI Advanced Biology (1 CREDIT)**

EMIS Code:132330

The thirty-six units of this course emphasize the concepts, principles, and theories that enable people to understand the living environment. Students further develop their basic biological knowledge and demonstrate the application of biological concepts, such as the structure, function, and processes of cells, the genetic and molecular basis of inheritance, biological evolution of various species, and the diversity and interdependence of life. This course also provides an emphasis on the six kingdoms of the classification of living organisms, the concepts of evolution, and the diversity and interdependence of life. Embedded throughout this study are the basic scientific processes of inquiry, modeling investigations, and the nature of science. Students learn to trace the historical development of scientific theories, ideas, and ethical guidelines in science. This course also addresses the interdependence of science and technology, along with the study of emerging issues. This enables students to become scientifically, literate citizens.

SCIAB



## Grade 9-12

### SCIENCE *Continued*

#### **SCI Environmental Science (1 CREDIT)**

EMIS Code: 132350

In this course consisting of thirty-six units, students draw on their previous experience and connect Earth, space, life, and physical sciences into a coherent study of the environment. Emphasis is placed on the interactions between humans and Earth, ecosystems, biological evolution, populations, and diversity. Students also explore matter and energy relationships. Human interactions with science and technology are discussed, as well as how man has modified current ecosystems and natural systems. Students have the opportunity to use basic science processes of inquiry and scientific investigation. They apply the nature of science to examine past events, to analyze current situations, and to develop scientific predictions, idea, or theories.

SCIES

SCICRES

SCIMES

SCISES

#### **SCI Pathway to Forensic Science (I) (1/2 CREDIT)**

EMIS Code: 139997

Pathway to Forensic Science will give students an introduction to being forensic scientists. Students will explore the world of forensic science, career pathways, terms of the trade, educational paths, and skill building. Students will complete this course by demonstrating their knowledge in two virtual labs.

SCIFI

SCICRFI

#### **SCI Forensic Science (II) (1/2 CREDIT)**

EMIS Code: 139997

Forensic Science consists of eighteen units. The course provides opportunities to develop and to extend scientific skills and processes through problem-based learning. Students engage in activities that relate to other subject areas, such as biology, chemistry, physics, mathematics, sociology, archaeology, anthropology, anatomy, health, and writing. Forensic Science connects these subject areas to real-life applications used in criminal investigations.

SCIFII

SCICRFII

SCISFS



# Grade 9-12

## SCIENCE *Continued*

### **ESL Geology (1 CREDIT)**

EMIS Code: 134250

The course covers subjects such as rocks and minerals, interactions of the Earth's spheres, oceans, lakes, and rivers, Earth's landscapes, layers of rock and geological time, the fossil record, fossils and extinction, tectonic plates, renewable and non-renewable resources, types of fossil fuels, the use of fossil fuels, nuclear energy, wind energy, hydroelectric energy, solar energy, geothermal energy, and innovations in energy resources. Throughout the course, students will explore the fascinating world of geology, gaining knowledge about rocks, minerals, landforms, fossil records, and the Earth's energy resources. They will also learn about environmental sustainability and the importance of renewable energy. By the end of the course, learners will have a solid understanding of geological concepts and develop their English language skills through studying and discussing geology-related topics. The course consists of 18 units.

SCISG

### **SCI Integrated Science (1/2 CREDIT)**

EMIS Code: 139997

In this eighteen-unit course, students learn about cell specialization, biotechnology, DNA, evolutionary theory, the equilibrium of systems, electromagnetic radiation, isotopes, radioactive decay, and concepts of forces and motion as applied to large and small objects and energy levels. Integrated with these topics are historical perspectives, the process of inquiry, the nature of science, ethical practices, and the use of appropriate technology. Students apply the principles of forces and motion. They also describe and predict the net effects of forces and motion of objects or systems. Students explore scientific research, scientific literature, and the relationship between science and society.

SCIIS

### **SCI Medical Terminology (1/2 CREDIT)**

EMIS Code: 131050

In this eighteen-unit, students learn the basics of medical terminology. They study the scientific language that is used to describe the human body, medical conditions, and hospital procedures. The course also stresses the importance of recognizing root words, prefixes, and suffixes.

SCIMT

SCICRMT





## Grade 9-12

### SCIENCE *Continued*

#### **SCI Marine Biology (1/2 CREDIT)**

EMIS Code: 139998

This eighteen-unit course is the study of all things about the oceans, both living and nonliving. Marine Biology is a survey course designed for students who already have had a successful foundation in biology. The first part of the course focuses on oceanography and looks at physical aspects like tectonics, tides, and currents. The second half of the course deals with living components, starting with microscopic life and moving forward to advanced animals.

SCIMAR

SCICRMB

#### **SCI Physics (1 CREDIT)**

EMIS Code: 130302

Physics is described as the study of matter and energy, how matter and energy relate to each other, and how they affect each other over time and through space. This course, consisting of thirty-six units, is designed to develop the student's abilities in the following areas: reading, understanding and interpreting information from a wide variety of situations; using appropriate problem-solving skills; using mathematical reasoning in solving problems; and completing lab experiments, including data acquisition, interpreting the results and acknowledging the uncertainties associated with the experimental outcome. Labs vary from prescribed or "cookbook," to limited investigations with some direction, and finally open-ended investigations with little or no direction. Students are required to compile a portfolio of lab reports.

SCIP



## Grade 9-12 SOCIAL STUDIES

### **SS American History (1 CREDIT)**

EMIS Code: 150810

This thirty-six unit course examines the history of the United States of America from 1877 to the present. It is designed to prepare students for the AIR American History Assessment. Students study the challenges that the republic has withstood and the expansion of the rights and roles of its citizens. They learn about the events that have shaped the principles, nature, and culture of the United States. The concepts of historical thinking, introduced in earlier grades, continue to develop as students analyze and draw conclusions using primary and secondary sources from multiple perspectives.

SSAH

SSCRAH

SSMAH

SSSAH

### **SS American Government I (1/2 CREDIT)**

EMIS Code: 150300

This eighteen-unit course explores the establishment and the ongoing development of American government. It is designed to prepare Ohio students for the AIR American Government Assessment. Students study how the American people govern themselves at national, state, and local levels. They examine the principles of the Constitution and the involvement of citizens in the structure and function of governing. The course emphasizes the importance of compromise, consensus, and negotiation within the democratic process. The government's role in the economy and change through the amendment process are other important aspects of the course.

SSAGI

SSCRAGI

SSMAG

SSSAG



## Grade 9-12

### **SOCIAL STUDIES** *Continued*

#### **SS Government & Politics (1/2 CREDIT)**

EMIS Code: 150300

This course guides students through the principles of American government and the responsibilities of citizenship on federal, state, and local levels. The United States Constitution provides the structure for much of the course and several other significant documents, including the Ohio State Constitution of 1851. Students are encouraged to address current issues and policies through public processes. The government's role in the economic realm will also be discussed.

SSGP II

SSCRGP II

#### **SS World History (1 CREDIT)**

EMIS Code: 150890

This course, consisting of thirty-six units, examines global events from 1600 to the present era and considers their ongoing impact on the world community. At the same time, it addresses economic, political, social, and cultural developments which shape our thoughts and values. The contributions of political figures, artists, writers, explorers, and scientists are also emphasized. Students develop and use evidence to support or to refute positions taken by other writers. Videos, articles, and primary sources are used to enhance learning throughout the course.

SSWH

SSCRWH

SSMWH

SSSWH

#### **SS Financial Literacy (1/2 CREDIT)**

EMIS Code: 153001

In this eighteen-unit course, students learn the basics of personal finance. This includes financial planning, budgeting, banking, using credit wisely, protecting money, making money, consumerism, investing, and philanthropy.

SSFL

SSCRFL



# Grade 9-12

## SOCIAL STUDIES *Continued*

### **SS Economics (1/2 CREDIT)**

EMIS Code: 150600

Throughout the eighteen units of this course, students study the terminology and the fundamentals associated with financial decision-making. How do supply, demand, and competition impact the prices for the goods and services that people desire? How do societies meet the wants and needs of their populations? What steps do governments take to protect their economies? Are taxes really necessary? Is investing in the stock market a good idea? In this course, students gain the knowledge and skill to answer these questions by learning to think like an economist.

SSE

SSCRE

AESE

### **Modified Economics (1/2 CREDIT)**

EMIS Code: 150600

This course introduces the fundamental concepts and principles of economics. The course consists of 18 units that cover various topics related to economics. The course begins by exploring the concept of scarcity and distinguishing between needs and wants. Students will learn about the factors of production and the different economic systems that exist, including a focus on the mixed economy. The role of the government in the economy is also discussed. Students will engage in activities and assessments throughout the course to reinforce their understanding of economic concepts and principles. By completing this course, students will develop a foundational knowledge of economics, enabling them to analyze and understand economic systems, market dynamics, and the role of various factors in shaping economic performance.

SSME



## Grade 9-12

### SOCIAL STUDIES *Continued*

#### **ESL Financial Literacy (1/2 CREDIT)**

EMIS Code: 153001

This course, titled “Curso de Economía y Finanzas” (Course on Economics and Finance), covers a wide range of topics related to taxation, government spending, fiscal policy, national debt, the Federal Reserve, government and the economy, global trade, economic development, the world economy, budgeting, borrowing money, and the impact of the economy on individuals. It provides comprehensive knowledge and understanding of economic principles and financial management, including budgeting techniques and tips. The course consists of 18 units.

SSSFL

#### **ESL Economics (1/2 CREDIT)**

EMIS Code: 150600

The course “ESL Economics” is designed to help English as a Second Language (ESL) learners understand key concepts in economics. The course covers topics such as scarcity, factors of production, economic systems, the free enterprise system, the government’s role in the economy, demand, supply, prices, types of businesses, the labor force, organized labor, business cycles, money, and banking. The course includes assessments to gauge understanding and reinforce learning. By completing this course, ESL learners will develop a solid foundation in economic principles and vocabulary. The course consists of 18 units.

SSSE

#### **ESL Geography (1/2 CREDIT)**

EMIS Code: 150700

The course covers topics such as the United States, specific regions within the United States (New England, Mid-Atlantic, South, Midwest, Great Plains, Rocky Mountains, Southwest, West Coast, Alaska, and Hawaii), the use of maps, and other countries in the Americas (Canada, Mexico, Central America, and South America). Throughout the course, students will learn about each region’s geographical features, cultural aspects, and important details. By the end of the course, learners will have a comprehensive understanding of these areas’ geography and improve their English language skills through studying and discussing geographic topics. The course consists of 18 units.

SSSG





# Grade 9-12

## SOCIAL STUDIES *Continued*

### **SS Personal Finance (1/2 CREDIT)**

EMIS Code: 150600

EMIS Code: 031500

Personal finance empowers high school students to take control of their financial futures and set their paths for financial success. Students can acquire the tools and skills they need to make smart financial decisions and achieve their goals.

SSPF

SSCRPF

### **SS Games Through the Ages (1/2 CREDIT)**

EMIS Code: 159999

In this eighteen-unit course, students learn that games reflect the social, religious, political, and economic elements of every society's culture. They also have the opportunity to reconstruct game boards developed by ancient civilizations and to demonstrate a knowledge of game rules by accurately applying them. The designs of new and old games are compared and contrasted. The course includes several projects that students must photograph and send to the instructor.

SSGTA

SSCRGTA

### **SS Geography (1/2 CREDIT)**

EMIS Code: 150700

In this eighteen-unit course, students have the opportunity to study the interaction between people and cultures, as well as natural and physical environments, around the globe. The course is designed to familiarize students with the world and how they, along with their community, can play a role in global interaction. Students develop an understanding of various regions and focus on several geographic topics in each region. They become aware of the impact of physical geography on the lives of humans and the positive and negative changes that result from human interaction with the environment.

SSG

SSCRG



## Grade 9-12

### SOCIAL STUDIES *Continued*

#### **SS Psychology (1/2 CREDIT)**

EMIS Code: 151121

This eighteen-unit course examines human development and behavior through the social science of psychology. It includes explanations of key vocabulary words and the significant contributions of psychologists and psychiatrists. Students learn about the stages of cognitive development, the transition to adulthood, and healthy relationships. They study how specific factors, such as birth order, peer pressure, and addiction, impact people's lives and personalities. The course also covers stress factors, depression, and gender identity. Videos, projects, and case studies are offered throughout the course to enhance student learning.

SSP

SSCRP

#### **SS Sociology (1/2 CREDIT)**

EMIS Code: 151300

This eighteen-unit introduction to the social science of sociology allows students to explore social relationships in a variety of settings. Students begin by understanding what sociology is and by learning how sociology applies to real life. Students examine topics to which they can relate, such as cultural diversity, adolescent development, and society's rules. Throughout this course, students gain insights into themselves, into other people in their lives, and into their world as a whole.

SSS

SSCRS

SSSSL

#### **SS Student Leadership (1/2 CREDIT)**

EMIS Code: 159999

The eighteen-unit course is designed to prepare students for leadership roles and responsibilities. Students also learn to apply leadership principles and skills to their everyday lives. They study theories and styles of leadership along with goal setting, time management, and decision making.

SSSL

SSSCRSL



# Grade 9-12

## SOCIAL STUDIES *Continued*

### **SS Current Events (1/2 CREDIT)**

EMIS Code: 159999

This is an eighteen unit course that is developed with PBS NewsDepth. Schools will have two options for this course:

1. Current Events Fall 2023: This course will have units added weekly during the months of August - December 2023

Or

2. Current Events Spring 2024: This course has 18 pre-made units based on events that occurred during January 1 - May 18, 2024.

SSCEF23

SSCES24



## Grade 9-12 SOCIAL-EMOTIONAL LEARNING



### **SOCIAL-EMOTIONAL LEARNING HIGH SCHOOL (1 CREDIT)**

#### Grade 9-12

This course is designed to foster the social-emotional learning of high school students. The course consists of 36 units that cover a wide range of topics relevant to their social and emotional development. The course begins by helping students identify and understand their emotions. Students will explore how events and experiences can influence their emotional well-being. The units also focus on recognizing and leveraging personal strengths, building a support system, and reflecting on personal progress. As students progress through the course, they will learn about self-responsibility, goal setting, and self-advocacy. They will develop strategies for self-management and engaging in positive social interactions. The course emphasizes the importance of self-awareness and creating a life plan that aligns with personal values and aspirations. Units dedicated to empathy, respect, and citizenship encourage students to develop a deep understanding of others, embrace diversity, and contribute positively to their communities. The course also addresses biases, cross-cultural understanding, and the distinction between social and cultural norms. Relationship building, responsible media use, and cultivating positive connections are emphasized as students navigate the complexities of interpersonal relationships in the digital age. They will also develop skills in conflict resolution, responsible decision-making, stress management, and ethical civic engagement. In the final units, students are encouraged to adopt an open-minded approach, promoting a broader perspective and critical thinking skills. Students will engage in activities, discussions, and reflections throughout the course to enhance their self-awareness, interpersonal skills, and ethical decision-making abilities. By completing this course, high school students will develop essential social-emotional competencies to support their personal growth, resilience, and success in various social and academic contexts.

SELHS



## Grade 9-12

### SOCIAL-EMOTIONAL LEARNING *Continued*

#### **SEL Decision Making (1/4 CREDIT)**

Grades 9-12

EMIS Code: 093005

In this nine-unit course, students learn about the decision-making process and the importance of evaluating the consequences of their choices. They are also encouraged to select options that reflect long-range planning, core beliefs, and values. The course can be used in Grades 7-12.

SELDM

#### **SEL Healthy Relationships (1/4 CREDIT)**

Grades 9-12

EMIS Code: 093005

In this nine-unit course, students examine both healthy and unhealthy relationships. There are tips on dealing with unhealthy relationships and making good relationships even better. The course can be used in Grades 7-12.

SELHR

#### **SEL Honor Code (1/4 CREDIT)**

Grades 9-12

EMIS Code: 093005

This nine-unit course helps students identify their unique talents, grow their resilience in adversity, and build strong connections with others. The same skills students learn to discourage bullying today. EVERFI curriculum will be utilized in this course. The course can be used in Grades 7-12.

SELHC

#### **SEL Personal Wellness (1/4 CREDIT)**

Grades 9-12

EMIS Code: 093005

This nine-unit course blends evidence-informed content with engaging digital activities. By defining mental wellness and modeling positive behaviors, this online program teaches students the important of paying attention to their mental health. EVERFI curriculum will be utilized in this course. The course can be used in Grades 7-12.

SELPW





## Grade 9-12

### **SOCIAL- EMOTIONAL LEARNING *Continued***

#### **SEL Social Media Responsibility (1/4 CREDIT)**

Grades 9-12

EMIS Code: 093005

This nine-unit course stresses social media etiquette and offers numerous tips for staying safe while engaging with others online. Students are encouraged to be smart, alert, and kind when using social media websites. The course can be used in Grades 7-12.

SELSMR

#### **SEL Teen Dating (1/4 CREDIT)**

Grades 9-12

EMIS Code: 093005

Romantic relationships are major developmental milestones in the lives of teens. Students consider what they want in a dating relationship in this nine-unit course. The course also defines attraction, closeness, commitment, and abusive behavior. The course can be used in Grades 7-12.

SELTD



# Grade 9-12 TECHNOLOGY

## **TECH Computer Applications (1/2 CREDIT)**

EMIS Code: 036000

In this eighteen-unit course, students explore the evolution of the computer and uncover the contributions of many early inventors whose creativity contributed to its development. Key terms, such as input, output, and data storage, are defined and explained. Students are introduced to various types of software, including Microsoft Word, Microsoft Excel, and Microsoft PowerPoint. The course also stresses the importance of computer security, privacy, and ethics.

TECHCA

TECHCRCA

## **TECH Introduction to the Internet (1/2 CREDIT)**

EMIS Code: 290130

In this eighteen-unit course, students learn how to use the Internet for educational purposes and personal enjoyment. Key terms, such as URL, HTML, and browser, are defined and explained. Students learn the most efficient ways to search for information and techniques to evaluate the material that they find. The course includes a research project to practice these skills. Students also learn how to avoid viruses and how to stay safe online.

TECHII

TECHCRII

## **TECH Digital Skills I (1/2 CREDIT)**

EMIS Code: 290075

This course, consisting of eighteen units, focuses on the skills and knowledge that students need to be successful, digital citizens in a global economy. The topics covered in this course provide an understanding of technology and the ability to use technology productively in their daily lives. Students learn to analyze a problem and to apply the appropriate technological approach for solving that problem.

TECHDSI

TECHCRDSI



## Grade 9-12

### TECHNOLOGY *Continued*

#### **TECH Digital Citizenship (1/2 CREDIT)**

EMIS Code: 299999

This course, consisting of eighteen units, explores ways to become a good digital citizen in today's world. Students are introduced to four, specific digital citizenship elements: Digital Literacy, Digital Access, Digital Rights and Responsibilities, and Digital Safety. Throughout this course, students have opportunities to watch videos, to listen to sound clips, and to complete activities. The course is aligned with national standards for technology and curriculum.

TECHDC

TECHCRDC



## Grade 9-12 TEST PREPARATION



### **ACT Preparation 13th Edition (1 CREDIT)**

EMIS Code: 300030

This course consists of thirty-six units and is designed to prepare students to take the ACT test. The textbooks, Essential Skills Required for College and Career Readiness Student Text, 13th Edition and Victory for the ACT Test, 13th Edition from Cambridge Educational Services, need to be purchased by school or student.

ACTPREP

### **ACTWorkKeys (1/2 CREDIT)**

EMIS Code: 300030

In this eighteen-unit course, students review the various sections and types of questions that make up the ACT WorkKeys assessments. They learn important test-taking tips and strategies for developing effective study skills. The individual units include practice questions and information to help the students interpret graphics and other elements of testing.

ACTWORKKEYS

### **STUDY SKILLS (1/2 CREDIT)**

EMIS Code: 300030

This eighteen-unit course is broken down into two, nine-unit sections. The first nine units concentrate on student learning styles, management of study time, study routines, note taking strategies, and test-taking tips. The next nine units emphasize reference sources, memorization techniques, strategies for taking standardized tests, and tips for building vocabulary skills. Each unit consists of Prezi or PowerPoint lectures. Students encounter different types of activities and video presentations as they follow along with the lecture. A concept check is administered to assess the student's knowledge at the end of each unit. When students finish the course, they are asked to compile a portfolio of study skills and strategies.

CTSS



## Grade 9-12 WORLD LANGUAGE



### **LANG French I (1 CREDIT)**

EMIS Code: 060230

In this course consisting of thirty-six units, students develop the knowledge and skills to begin communicating in the target language. They speak, listen, read, and write the language in short sentences and paragraphs that contain the learned vocabulary, words, and phrases. Students also gain insight into the target culture by examining literature, music, laws, foods, values, traditions, and behaviors.

LANGFI

### **LANG French II (1 CREDIT)**

EMIS Code: 060230

In this course consisting of thirty-six units, students participate in simple, conversational situations using sentences and groups of sentences. They create the target language by combining and recombining learned phrases and words. Students write simple messages, read texts dealing with familiar topics, and understand the main ideas when listening to conversations dealing with familiar topics or themes. Students also gain an awareness and understanding of, and appreciation for, cultural contributions made by people of the target language.

LANGFII

### **LANG French III (1 CREDIT)**

EMIS Code: 060230

In this course consisting of thirty-six units, students initiate and sustain conversations by making statements, asking questions, and giving appropriate responses. They communicate using correct time frames on everyday topics, both orally and in writing. When writing, students compose cohesive paragraphs related to familiar topics and personal experiences. Students develop an understanding of main ideas and significant details in extended discussions and presentations, both live and recorded. They acquire new knowledge and information from texts, including short literary texts and media. Students continue to expand their knowledge and understanding of the cultural significance of the target language.

LANGFIII





## Grade 9-12

### WORLD LANGUAGE *Continued*

#### **LANG French IV (1 CREDIT)**

EMIS Code: 060230

In this course consisting of thirty-six units, students speak and write in French. They learn to initiate, sustain, and bring to closure a wide variety of communicative tasks using appropriate time frames. They expand comprehension skills that allow them to acquire knowledge and information from authentic texts, including literary texts and media. Students continue to develop insight into the nature of the French language and culture.

LANGFIV

#### **LANG Latin I (1 CREDIT)**

EMIS Code: 060107

This first-level, Latin course, consisting of thirty-six units, covers vocabulary, basic grammar, reading, word derivation, and the influence of Roman civilization on the modern world. Throughout this course, students have the opportunity to hear the proper pronunciation of Latin words or phrases and to record themselves reading aloud in Latin. Because the mastery of any language requires constant practice and review, a worksheet is provided at the end of every unit.

LANGLI

#### **LANG Spanish I (1 CREDIT)**

EMIS Code: 060265

In this course consisting of thirty-six units, students develop knowledge and skills to begin communicating in the target language. They speak, listen to, read, and write the language in short sentences and paragraphs that contain the learned vocabulary words and phrases. Students also gain insight into the target culture by examining literature, music, laws, foods, values, traditions, and behaviors.

LANGSI



## Grade 9-12

### WORLD LANGUAGE *Continued*

#### **LANG Spanish II (1 CREDIT)**

EMIS Code: 060265

In this course consisting of thirty-six units, students participate in simple, conversational situations using sentences and groups of sentences. They create the target language by combining and recombining learned phrases and words. Students write simple messages, read texts dealing with familiar topics, and understand the main ideas when listening to conversations dealing with familiar topics or themes. Students also gain awareness, understanding of, and appreciation for cultural contributions made by people of the target language.

LANGSII

#### **LANG Spanish III (1 CREDIT)**

EMIS Code: 060265

This course, consisting of thirty-six units, is offered to students interested in pursuing greater fluency in reading, writing, speaking, and understanding the target language. The students are required to recall previously learned words and phrases and to build upon them as they learn to create more native-like writing and conversation. This course also continues a more intense study of grammar and appreciation for cultural contributions made by people of the target language.

LANGSIII

#### **LANG Spanish IV (1 CREDIT)**

EMIS Code: 060265

This course, consisting of thirty-six units, is offered to those students interested in becoming proficient in reading, writing, speaking, and understanding the target language. The students are required to review all grammatical structure and to recall previously learned vocabulary. They strive for a native-like, proficiency level, and continue a more intense study of cultural aspects, including art and literature. Students demonstrate their understanding of and appreciation for these cultural works by discussing them in the target language.

LANGSIV



## Grade 9-12

### WORLD LANGUAGE *Continued*

#### **LANG American Sign Language I (1 CREDIT)**

EMIS Code: 061050

In this course consisting of thirty-six units, students are introduced to the skills needed to communicate effectively in the target language. Students gain knowledge and understanding of vocabulary, grammar structure, and other ASL language features. They also acquire the basic skills necessary to carry on simple conversations in the target language.

LANGISLI

#### **LANG American Sign Language II (1 CREDIT)**

EMIS Code: 061050

In this course consisting of thirty-six units, students continue to develop basic conversational skills, to improve their receptive and expressive abilities and to expand their vocabulary in the target language. They add new concepts to their basic knowledge of the fundamentals of the language and strengthen their cultural awareness.

LANGISLII



## Additional Resources

**\*\* Additional Cost for the Following Services\*\***



### **Adult Education/ CEU Courses**

JCESC Adult Education/CEU program offers a different way of learning from the traditional classroom setting. All courses are entirely ONLINE, enabling teachers and working adults the flexibility to do their coursework while successfully maintaining their busy schedule.



### **NextUp 2023-24**

Transition curriculum for your teachers and students. NextUp can help improve results and prepare students for employment success in a fun and engaging way. NextUp offers: 36-weekly video lesson, customizable lesson plans and activities, assessments, LMS compatibility, and compliance.



### **Progress Monitoring Diagnostics**

With Progress Monitoring Diagnostics, teachers get an inside look at their students' progress through an intuitive set of reports. The system identifies trouble spots, enabling teachers to create instructional groups for students who are struggling with similar problem types.

