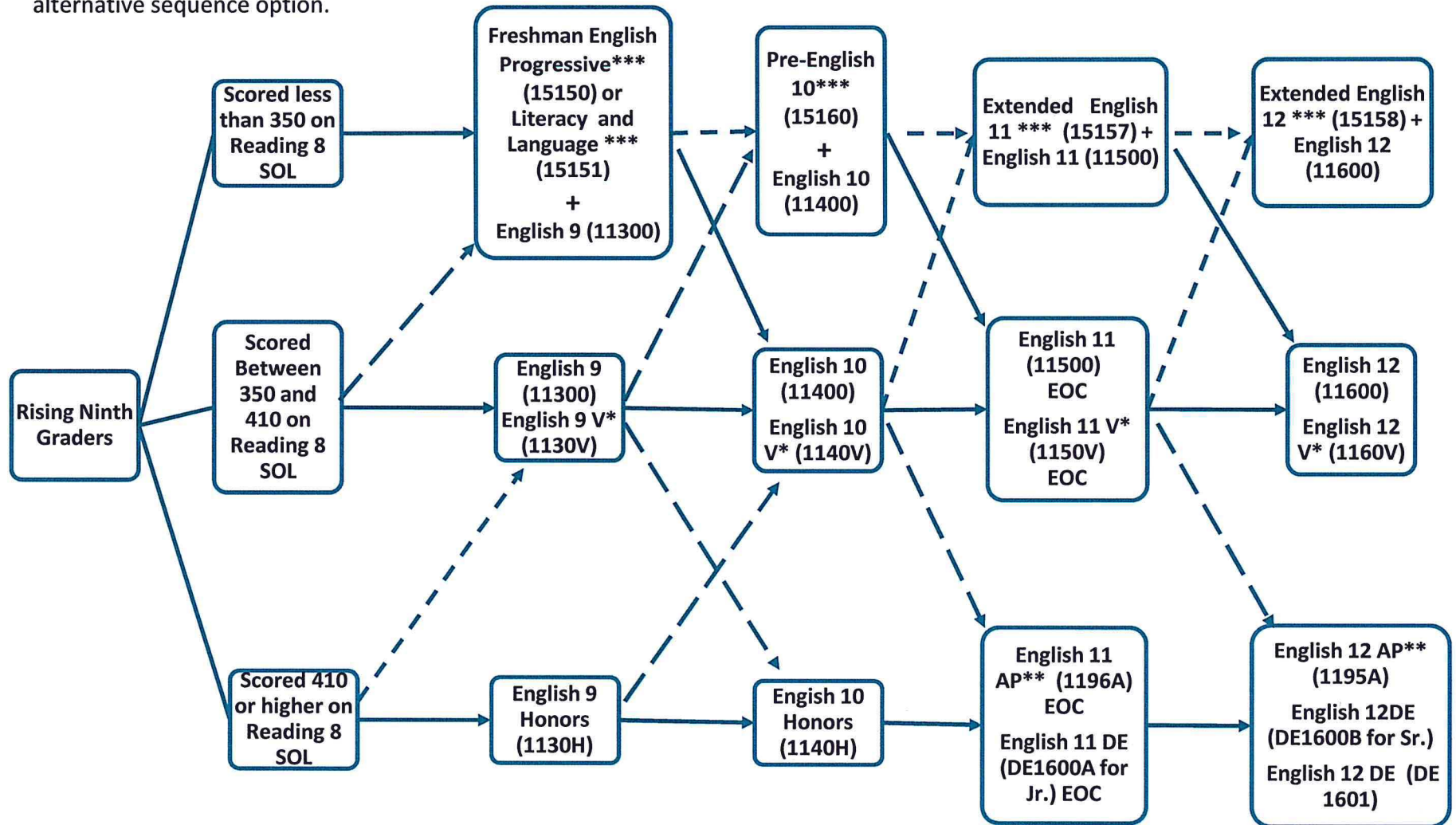


# English Course Map

- Solid lines indicate an expected sequence.
- - Broken lines indicate an alternative sequence option.



\*MCPS virtual course may be available

\* \* Virtual Virginia course may be available (English 11: 1196V and English 12: 1195V)

\*\*\*Intervention classes that precede a core grade course and earn elective credit.

### English Elective Course Offerings

Virtual Virginia Creative Writing (1171V)	Media Arts I (15161), II (15162), III(15163), IV (15164)	Speech Fundamentals (13000) or (DE 1602)
Creative Writing/Literary Magazine I (11710)	Journalism I (12000), Dual Enrolled Journalism I (DE1200); Journalism II ( 12100), DE Journalism II (DE12100); Journalism III (12110); Journalism IV (12120): Journalism V (12200)	
Creative Writing/Literary Magazine II (11711)		Read 180 I Grade 9 (11810) Read 180 II Grade 10 (11811) Read 180 III Grade 11 (11812) Read 180 IV Grade 12 (11813)
World Mythology (11650)		
Virtual Virginia World Mythology (1165V)		
	Theatre I (14100), II (14200)	
Film Studies (14460)	Advanced Acting (14300)	
	Technical Theatre (14350)	

### Diploma Requirements

Standard	Advanced Studies	Modified Standard
4 High School English Credits with 2 Verified Credits	4 High School English Credits with 2 Verified Credits	Available for students who entered 9th grade for the first time in 2010-11 4 High School English Credits with Pass on Grade 8 Reading SOL

**MCPS High School Mathematics  
Course Pathways**

These pathways meet the Mathematics requirements for the **Standard diploma**  
for students who entered 9<sup>th</sup> Grade for the first time in 2010-11 or later.

9 <sup>th</sup>	Algebra Readiness
10 <sup>th</sup>	Algebra I, Pt. I & Algebra I, Pt. II
11 <sup>th</sup>	Geometry, Pt. I & Geometry, Pt. II
12 <sup>th</sup>	Algebra, Functions, and Data Analysis

9 <sup>th</sup>	Algebra I, Pt. I & Algebra I, Pt. II
10 <sup>th</sup>	Algebra, Functions, and Data Analysis
11 <sup>th</sup>	Geometry, Pt. I & Geometry, Pt. II
12 <sup>th</sup>	Grade 12 Mathematics Capstone Course

9 <sup>th</sup>	Algebra I, Pt. I & Algebra I, Pt. II
10 <sup>th</sup>	Geometry, Pt. I & Geometry, Pt. II
11 <sup>th</sup>	Algebra, Functions, and Data Analysis
12 <sup>th</sup>	Grade 12 Mathematics Capstone Course

9 <sup>th</sup>	Algebra I, Pt. I & Algebra I, Pt. II
10 <sup>th</sup>	Algebra, Functions, and Data Analysis
11 <sup>th</sup>	Geometry
12 <sup>th</sup>	Grade 12 Mathematics Capstone Course

9 <sup>th</sup>	Algebra I, Pt. I & Algebra I, Pt. II
10 <sup>th</sup>	Geometry
11 <sup>th</sup>	Algebra, Functions, and Data Analysis
12 <sup>th</sup>	Grade 12 Mathematics Capstone Course

9 <sup>th</sup>	Algebra I
10 <sup>th</sup>	Geometry
11 <sup>th</sup>	Algebra, Functions, and Data Analysis
12 <sup>th</sup>	Grade 12 Mathematics Capstone Course

9 <sup>th</sup>	Algebra I
10 <sup>th</sup>	Algebra, Functions, and Data Analysis
11 <sup>th</sup>	Geometry
12 <sup>th</sup>	Grade 12 Mathematics Capstone Course

**MCPS High School Mathematics  
Course Pathways**

These pathways meet the Mathematics requirements for the **Advanced Studies diploma** for students who entered 9<sup>th</sup> Grade for the first time in 2010-11 or later.

9 <sup>th</sup>	Algebra I
10 <sup>th</sup>	Geometry
11 <sup>th</sup>	Algebra, Functions, and Data Analysis
12 <sup>th</sup>	Algebra II

9 <sup>th</sup>	Algebra I
10 <sup>th</sup>	Geometry
11 <sup>th</sup>	Algebra II
12 <sup>th</sup>	Trigonometry/Advanced Algebra or Grade 12 Mathematics Capstone Course

*For students who have completed Algebra I prior to entering 9<sup>th</sup> Grade:*

9 <sup>th</sup>	Algebra, Functions, and Data Analysis
10 <sup>th</sup>	Geometry
11 <sup>th</sup>	Algebra II
12 <sup>th</sup>	Grade 12 Mathematics Capstone Course

9 <sup>th</sup>	Geometry
10 <sup>th</sup>	Algebra, Functions, and Data Analysis
11 <sup>th</sup>	Algebra II
12 <sup>th</sup>	Grade 12 Mathematics Capstone Course

9 <sup>th</sup>	Algebra, Functions, and Data Analysis
10 <sup>th</sup>	Geometry
11 <sup>th</sup>	Algebra II
12 <sup>th</sup>	Trigonometry/Advanced Algebra

9 <sup>th</sup>	Geometry
10 <sup>th</sup>	Algebra, Functions, and Data Analysis
11 <sup>th</sup>	Algebra II
12 <sup>th</sup>	Trigonometry/Advanced Algebra

9 <sup>th</sup>	Algebra, Functions, and Data Analysis
10 <sup>th</sup>	Geometry
11 <sup>th</sup>	Algebra II
12 <sup>th</sup>	Mathematical Analysis/Pre-Calculus

9 <sup>th</sup>	Geometry
10 <sup>th</sup>	Algebra, Functions, and Data Analysis
11 <sup>th</sup>	Algebra II
12 <sup>th</sup>	Mathematical Analysis/Pre-Calculus

9 <sup>th</sup>	Algebra, Functions, and Data Analysis
10 <sup>th</sup>	Geometry
11 <sup>th</sup>	Algebra II
12 <sup>th</sup>	AP Statistics or AP Computer Science

9 <sup>th</sup>	Algebra, Functions, and Data Analysis
10 <sup>th</sup>	Geometry
11 <sup>th</sup>	Algebra II
12 <sup>th</sup>	AP Statistics or AP Computer Science

**MCPS High School Mathematics  
Course Pathways**

*For students who have completed Algebra I and Geometry prior to entering 9<sup>th</sup> Grade\*:*

9 <sup>th</sup>	Algebra, Functions, and Data Analysis
10 <sup>th</sup>	Algebra II
11 <sup>th</sup>	Trigonometry/Advanced Algebra
12 <sup>th</sup>	DE Pre/Applied Calculus (DE3230) or AP Statistics or AP Computer Science

9 <sup>th</sup>	Algebra, Functions, and Data Analysis
10 <sup>th</sup>	Algebra II
11 <sup>th</sup>	Mathematical Analysis/Pre-Calculus
12 <sup>th</sup>	DE Calculus I (DE31995) AP Statistics or AP Computer Science

9 <sup>th</sup>	Algebra II
10 <sup>th</sup>	Trigonometry/Advanced Algebra
11 <sup>th</sup>	DE Pre/Applied Calculus (DE3230)
12 <sup>th</sup>	AP Statistics or AP Computer Science

9 <sup>th</sup>	Algebra II
10 <sup>th</sup>	Mathematical Analysis/Pre-Calculus
11 <sup>th</sup>	DE Calculus I (DE31995)
12 <sup>th</sup>	DE Calculus II (DE31996)

9 <sup>th</sup>	Algebra II
10 <sup>th</sup>	Mathematical Analysis/Pre-Calculus
11 <sup>th</sup>	AP Calculus AB
12 <sup>th</sup>	AP Calculus BC

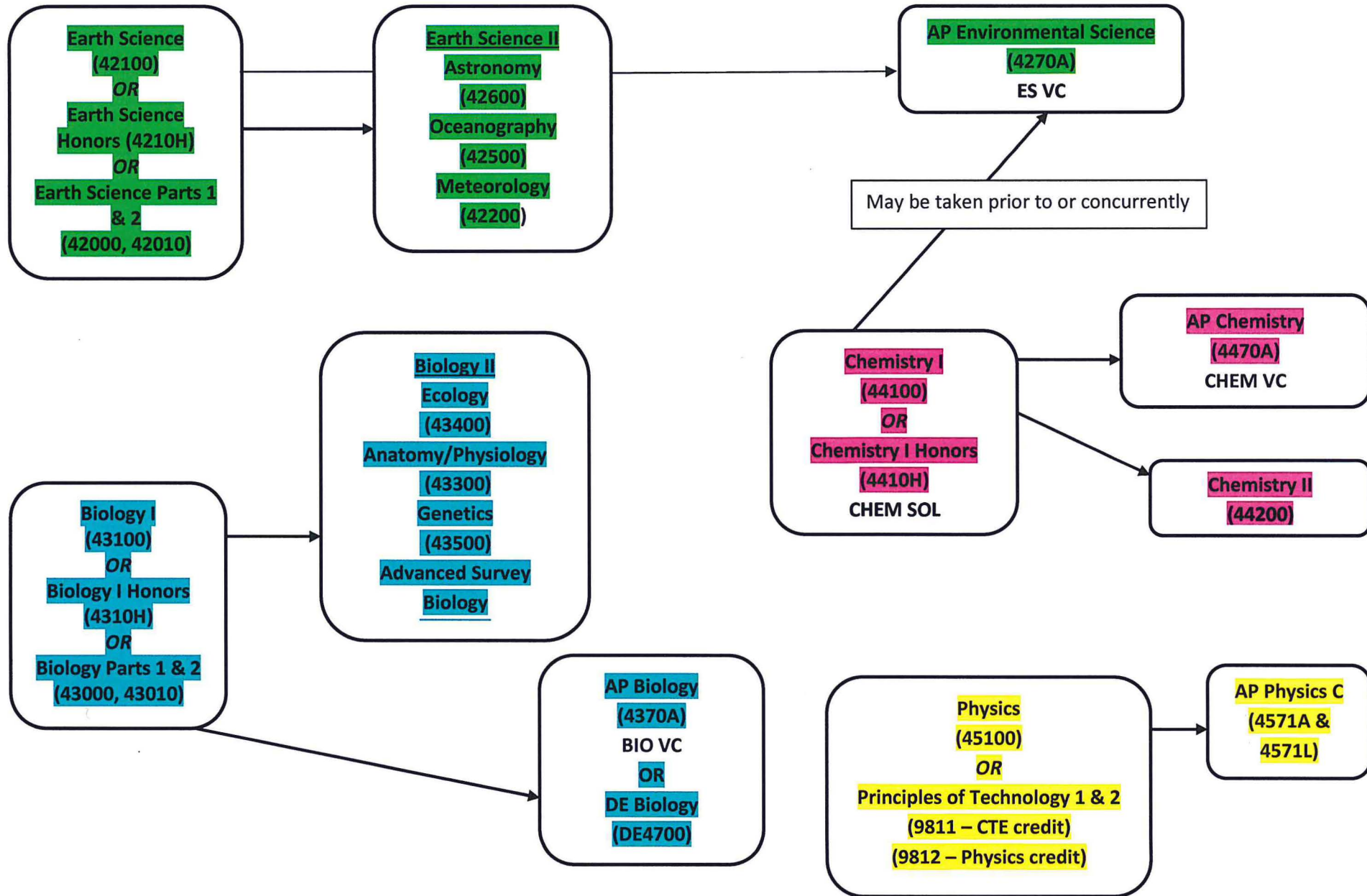
**This is not intended to be an exhaustive list; accelerated students  
have access to multiple mathematics elective pathways.**

**Prerequisites for Elective Courses**

<i>Elective</i>	<i>Prerequisite</i>	<i>Elective</i>	<i>Prerequisite</i>
Trigonometry/Advanced Algebra Mathematical Analysis/Pre-Calculus AP Statistics AP Computer Science	Algebra II	DE Calculus II (DE31996)+	DE Calculus I (DE31995) or equivalent
DE Pre-/Applied Calculus (DE3230)+ DE Calculus I (DE31995)+ AP Calculus AB	Trigonometry/Advanced Algebra or Mathematical Analysis/Pre-Calculus	AP Calculus BC	Trigonometry/Advanced Algebra or Mathematical Analysis/Pre-Calculus; and DE Calculus I (DE31995) or AP Calculus AB (Recommended)

**+In order to enroll in DE mathematics courses, students must meet NRCC enrollment requirements,  
including passing the required placement tests.**

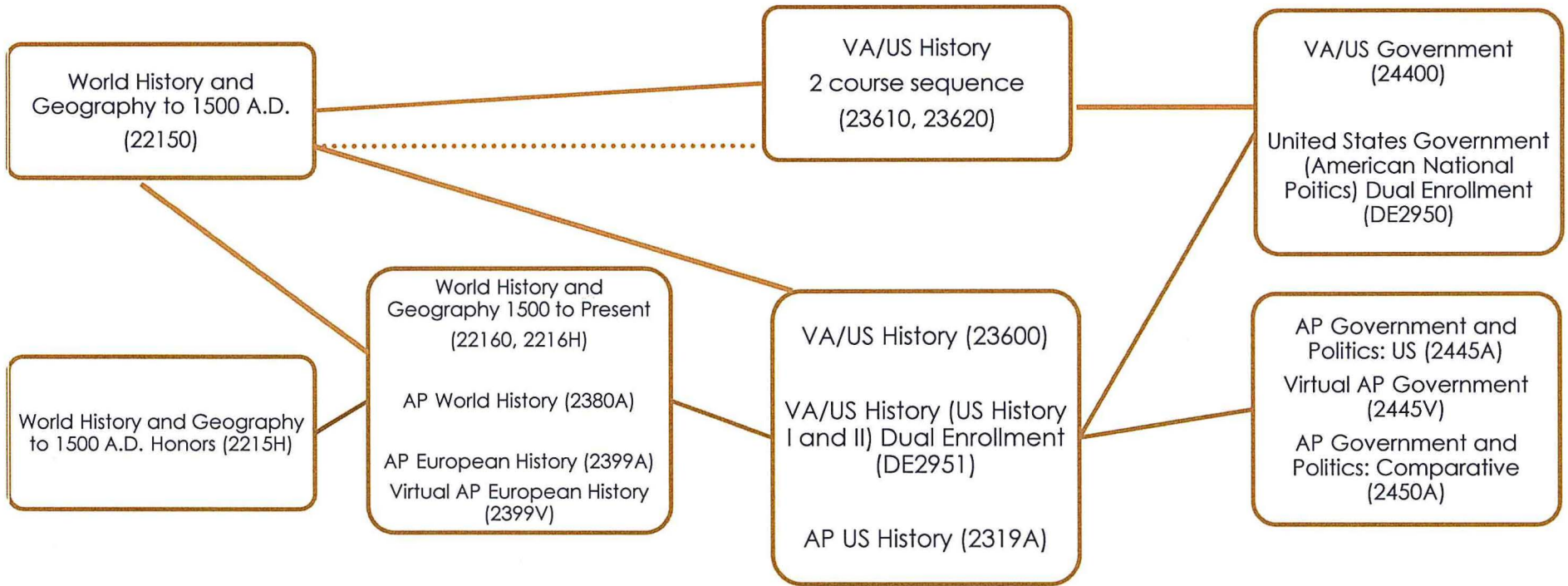
Course Map: Science



Earth Science Electives	Biology Electives	Chemistry Electives	Physics Electives
Earth Science II Advanced Survey <i>Meteorology</i> (42200) <b>ES SOL</b>	Biology II <i>Genetics</i> (43500)	Chemistry II (44200)	AP Physics C (4571A)
Earth Science II <i>Astronomy</i> (42600)	Biology II <i>Ecology</i> (43400)	AP Chemistry (4470A)	
Earth Science II <i>Oceanography</i> (42500)	Biology II <i>Anatomy &amp; Physiology</i> (43300)		
AP Environmental Science (4270A)	Biology II Advanced Survey <i>Botany, Zoology</i> (43200) <b>BIO SOL</b>		
	AP Biology (4370A)		
	Dual Enrolled Biology (DE4700)		

Standard Diploma	Advanced Studies Diploma
3 science credits from 2 disciplines	4 science credits from 3 disciplines
1 verified credit	2 verified credits
Possible Pathway: 1. Earth Sci 2. Biology 3. Elective	Possible Pathways: 1. Earth Sci    1. Earth Sci/Bio 2. Biology     2. Chem/AP Environ 3. Chemistry   3. AP Bio or physics 4. Elective    4. AP Chem or AP physics

# MCPS Social Studies Course Map



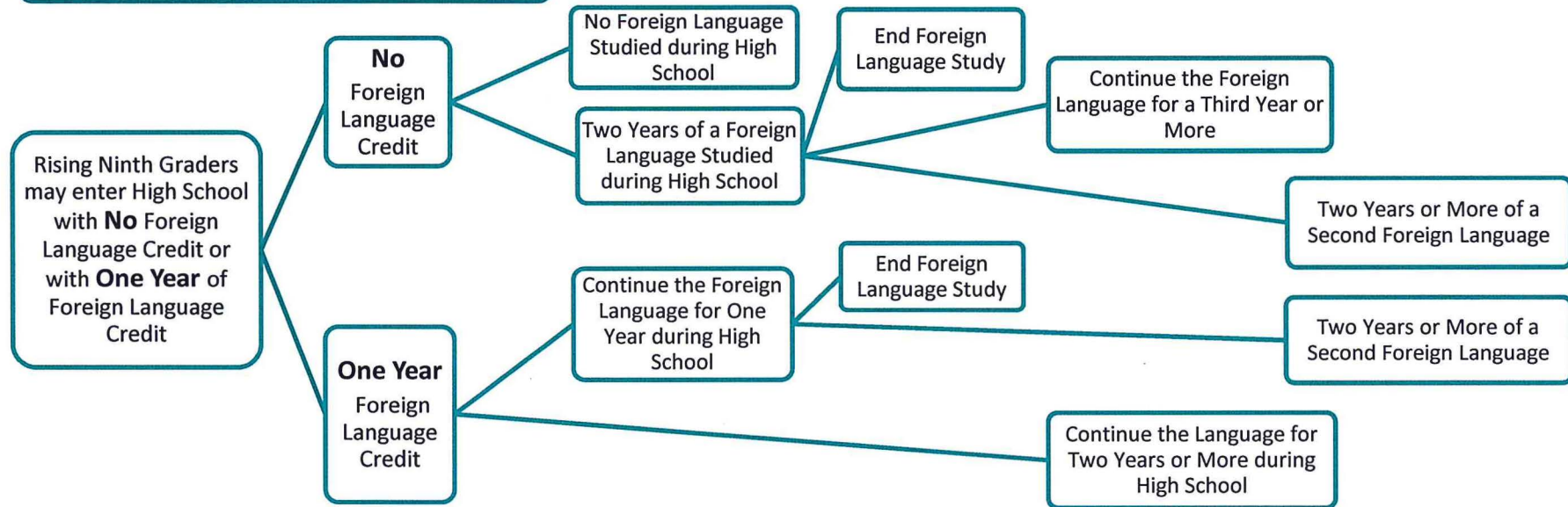
## Social Studies Elective Course Offerings

Psychology (29000) AP Psychology (2902A) Virtual AP Psychology (2902V)	Sociology (25000) Psychology/Sociology (29960) Psychology/Sociology (DE 2996)	Twentieth Century History/Modern and Contemporary (23870) World Mythology (29950)
Law Related Economics (24200)		Virtual AP Human Geography (2212V)

Standard	Advanced Studies
3 High School Social Studies Credits with 1 Verified Credit	4 High School social Studies Credits with 2 Verified Credits



# Foreign Language Map



## Foreign Language Course Offerings

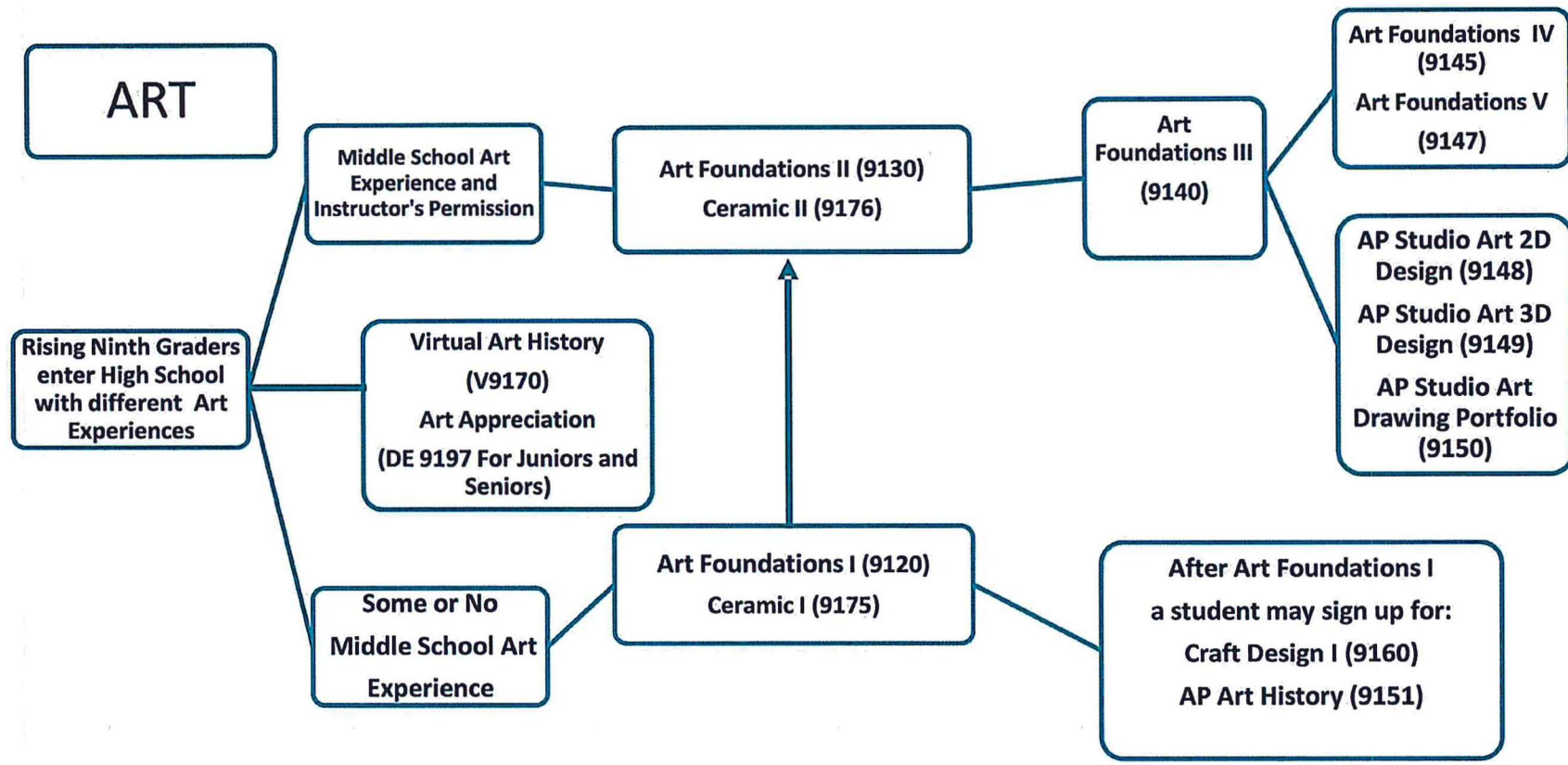
American Sign Language	English as a Second Language	French	German	Spanish	Virtual Virginia Courses may be available:
ASL I (59900) ASL II (59950) ASL III (59970) ASL IV (59980)  ASL meets Virginia diploma requirements. ASL Foreign Language credit may not be accepted as foreign language credit by some colleges and universities	ESL I (57100) ESL II (57200) ESL III (57300) ESL IV (57310)  To meet Virginia diploma requirements, an ESL course earns a Foreign Language credit for students learning English as a foreign language. ESL may not be accepted as foreign language by colleges and universities	I (51100) II (51200) III (51300) IV (51400) V (51500) or AP (5170A)	I (52100) II (52200) III (52300) IV (52400) V (52500)	I (55100) II (55200) III (55300) IV (55400) V (55500) or AP (5570A) VI (55600)	French AP (5170V) Latin I (5310V), II (5320V), III (5330V), IV (5340V) AP Latin: Catullus and Ovid (5380V) Spanish IV (5540V) AP Spanish Language (5570V) Chinese I (5810V), II (5820V), III (5830V)

## Diploma Requirements

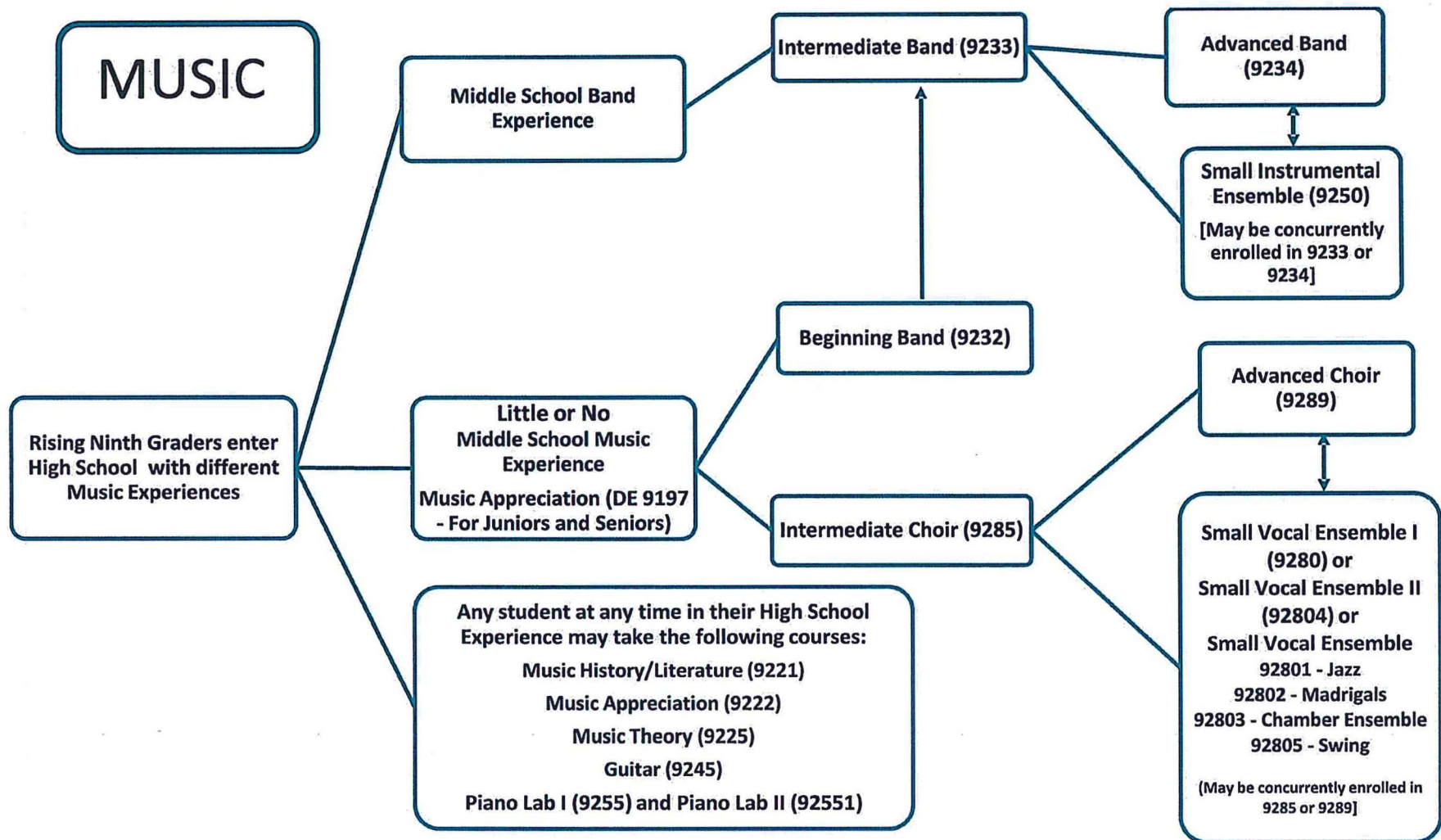
Standard	Advanced Studies	Modified Standard
Foreign Language credit may be used to meet the requirement of two sequential electives.	Three credits of Foreign Language are required. Credits may be earned by completing three years of one language or two years of two languages.	Foreign Language credit may be used to meet the requirement of two sequential electives

**VDOE web information** NOTE 7: For students entering the ninth grade for the first time in 2011-2012 and beyond: Pursuant to Section 22.1-253.13:4, Code of Virginia, credits earned for this requirement shall include one credit in fine or performing arts or career and technical education.

<b>Standard Diploma Course Requirements (8 VAC 20-131-50.B)</b>			
<b>Discipline Area</b>	<b>Standard Credits: effective with first-time ninth graders in 2003- 2004 through 2010-2011</b>	<b>Standard Credits: effective with first-time ninth graders in 2011- 2012 and beyond</b>	<b>Verified Credits: effective for first- time ninth graders in 2003-2004 and beyond</b>
English	4	4	2
Mathematics [Note 1]	3	3	1
Laboratory Science [Notes 2 & 6]	3	3	1
History & Social Sciences [Notes 3 & 6]	3	3	1
Health & Physical Education	2	2	
Fine Arts or Career & Technical Education	1		
Foreign Language, Fine Arts or Career & Technical Education [Note 7]		2	
Economics and Personal Finance		1	
Electives [Note 4]	6	4	
Student Selected Test [ Note 5]			1
<b>Total</b>	<b>22</b>	<b>22</b>	<b>6</b>



Standard Diploma	Advanced Studies Diploma
1 Unit of Fine Arts	1 Unit of Fine Arts



Standard Diploma	Advanced Studies Diploma
1 Unit of Fine Arts	1 Unit of Fine Arts