

Quince Orchard High School
2021-2022
ARTICULATION INFORMATION

January, 2021

Dear High School Students and Parents,

It is my pleasure to share with you this guide to the Quince Orchard High School instructional program. Quince Orchard High School offers a wide range of programs and courses intended to help you discover your academic interests and perhaps find a talent that you never knew you had, while at the same time preparing you for the challenges of college and the workplace. Please review this guide carefully. It is my hope that you will consider it a useful tool as you and your school counselor work together to plan a learning experience that will both challenge and engage you.

Quince Orchard High School offers a Signature Program in Advanced Studies in Arts and Academics. Advanced Arts Scholars have three strands from which to choose: Visual Arts, Performing Arts, and Computer Arts. The Signature Program in Advanced Studies offers students a selection of twenty-four Advanced Placement courses and provides them with the opportunity to complete a semester of college level work while still in high school. Project Lead the Way is an engineering program which integrates instruction in Science, Technology, Engineering and Mathematics (STEM) in addition to providing college credits in Engineering and preparing students for acceptance into the various fields of Engineering in both college and the workplace.

Eighty percent of students at Quince Orchard High School participate in one or more of these specialty programs. Because participation in more than one of our Signature Programs requires early and thoughtful planning, flow charts of course sequences as well as course offerings have been included to help students and parents clearly see the choices before them. I hope that students will take the opportunity to discuss with their parents, teachers, and counselors the academic and career paths they want to explore and that these discussions will guide them to select courses that will help them achieve their future goals and dreams.

I encourage all students at Quince Orchard High School to challenge themselves in the classroom in pursuit of their personal goals. Our highly competent and dedicated staff is committed to enhancing our students' skills and thoroughly preparing them to be successful in college and the world of work. I hope this guide will help you make the most of your academic experiences in the coming year. Carpe diem!

Sincerely,

Elizabeth Thomas
Principal



Staff Contact

Main Office Staff

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Ms. Vilma Najera

Mr. Joshua Neuman-Sunshine

Mr. Phillip Yarborough

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Ms. Judy Yu

Administrative Secretary:

Ms. Becky Smolen

Main Office Secretaries:

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Ms. Irene Wong

Ms. Elvia Castro

Attendance:

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Ms. Jennifer Gaston

Ms. Nancy Jimenez

Ms. Kim Kochuba

Ms. Victoria Lyon

Mr. Michael McMillen

Ms. Nancy Rossini

Itinerant ESOL Counselor:

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Counseling Secretary:

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School Registrar: 240-740-3612

Ms. Shirl Donaldson

College/Career Information

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Department Resource Teachers:

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Ms. Elicia Eberhart-Bliss

ESOL: 240-740-3665

Mr. Emmanuel Guevarez

Fine/Practical Art

(Art, Music, Technology, Computer
Science and Child Development)

240-740-3583

Ms. Julie Newcomer

Mathematics: 240-740-3645

Mr. Jeffrey Jernigan

Physical Education & Health:

240-740-3598

Ms. Brook Aranda

Science: 240-740-3650

Ms. Jennifer Yeck

Social Studies: 240-740-3660

Mr. Jamie Kimbrough-Groves

Special Education: 240-740-3680

Ms. Irene Brodsky

World Languages: 240-740-3664

Mr. Joseph Lynch

Counseling Contact Information

(240) 740-3620

Counselor	Caseload
Ms. Kochuba	A - Cac
Ms. Jimenez	Cad - Fan
Ms. Rossini	Fao - Hic
Mr. Carter	Hid - Lin
Mr. McMillen	Lip - Neh
Ms. Gaston	Nei - Ror
Ms. Lyon	Ros - T
Ms. Eckhardt	U - Z
Mr. Rivera	ELL 1 & 2
Ms. Fentzer-Munoz	Itinerant ELL Counselor



9th Grade Course Offering

English

- ENG2001A Honors English 9A
- ENG2001B Honors English 9B

Social Studies

- SOC2001A Honors US History A
- SOC2001B Honors US History B
- SOC2022A AP US History A
- SOC2022B AP US History B

Science

- SCI2006A Honors Physics A
(prerequisite: Hon Geometry)
- SCI2006B Honors Physics B
- SCI2001A Honors Biology A
- SCI2001B Honors Biology B

Mathematics

- MAT2000A Algebra 1A
- MAT2000B Algebra 1B
- MAT2003A Geometry A
- MAT2003B Geometry B
- MAT2004A Honors Geometry A
- MAT2004B Honors Geometry B
- MAT2015A Algebra 2A
- MAT2015B Algebra 2B
- MAT2012A Honors Algebra 2 A
- MAT2012B Honors Algebra 2 B
- MAT2031A Honors Precalculus A
- MAT2031B Honors Precalculus B

World Languages

- WLG2131A Spanish 1A
 - WLG2131B Spanish 1B
 - WLG2132A Spanish 2A
 - WLG2132B Spanish 2B
 - WLG2138A Honors Spanish 3A
 - WLG2138B Honors Spanish 3B
 - WLG2041A French 1A
 - WLG2041B French 1B
 - WLG2042A French 2A
 - WLG2042B French 2B
 - WLG2048A Honors French 3A
 - WLG2048B Honors French 3B
 - WLG2021A Chinese 1A
 - WLG2021B Chinese 1B
 - WLG2022A Chinese 2A
 - WLG2022B Chinese 2B
 - WLG2028A Honors Chinese 3A
 - WLG2028B Honors Chinese 3B
 - WLG2101A Latin 1A
 - WLG2101B Latin 1B
 - WLG2141A Spanish For Spanish Speakers 1A*
 - WLG2141B Spanish For Spanish Speakers 1B*
 - WLG2142A Spanish For Spanish Speakers 2A*
 - WLG2142B Spanish For Spanish Speakers 2B*
- * By Assessment
- WLG2143A Spanish For Spanish Speakers 3A
 - WLG2143B Spanish For Spanish Speakers 3B

Physical Education

- HPE2010-10 Lifetime Sports A
- HPE2010-20 Lifetime Sports B
- HPE2011-20 Net Sports B
- HPE2016-20 Basketball B
- HPE2019-20 Fitness B
- HPE2022-20 Soccer B
- HPE2012-20 Team Sports B
- HPE2025-20 Volleyball B
- HPE2026-20 Weight Training B
- HPE2028-20 Yoga/Stretching/ Fitness B

Fine Arts Credit

- ART2001A Found.of Art & Culture A
- ART2001B Found.of Art & Culture B
- ART2045A Ceramics 1A
- ART2045B Ceramics 1B
- ART2038A Photography 1A
- ART2038B Photography 1B
- ART2071A Piano 1A
- ART2071B Piano 1B
- ART2093A Concert Band A
- ART2093B Concert Band B
- ART2096A Beginning Orchestra A
- ART2096B Beginning Orchestra B
- ART2097A Concert Orchestra A
- ART2097B Concert Orchestra B
- ART2090A Chorus A
- ART2090B Chorus B
- ART2106A Theater 1A
- ART2106B Theater 1B
- ART2082A Guitar 1A
- ART2082B Guitar 1B

Technology Credit

- TEC2000A Foundations of Tech A
- TEC2000B Foundations of Tech B
- TEC2004A Intro to Engineering Des A
- TEC2004B Intro to Engineering Des B
beginning of Project Lead the Way/engineering pathway general technology credit
- TEC2002A Foundations of Computer Science A
- TEC2002B Foundations of Computer Science B
- ITC2011A AP Computer Science Principles A
- ITC2011B AP Computer Science Principles B
beginning of computer science, programming pathway
(prerequisite: completion of FOCS in middle school)
(prerequisite: C in Algebra 1)

Other Electives

- ENG2053A Newspaper Journalism A
- ENG2053B Newspaper Journalism A
- ENG2053A30 Newspaper Journalism A
- ENG2053B30 Newspaper Journalism A
- ENG2048A Creative Writing A
- ENG2048B Creative Writing B
- AMC2007A Introduction to Interactive Media A
(Gaming Pathway)
- AMC2007B Introduction to Interactive Media B
(Gaming Pathway)
- AMC2007A Introduction to Interactive Media A
(Video Production Pathway)
- AMC2007B Introduction to Interactive Media B
(Video Production Pathway)
- ITC2042A Introduction to Networks A
(CISCO Pathway)
- ITC2042B Introduction to Networks B
(CISCO Pathway)
- EDU2029A Child Growth & Development 1A
- EDU2029B Child Growth & Development 1B



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 240-740-3583 | julie_p_newcomer@mcpsmd.org

Signature Program Options

Signature Program AP Scholar Certificate

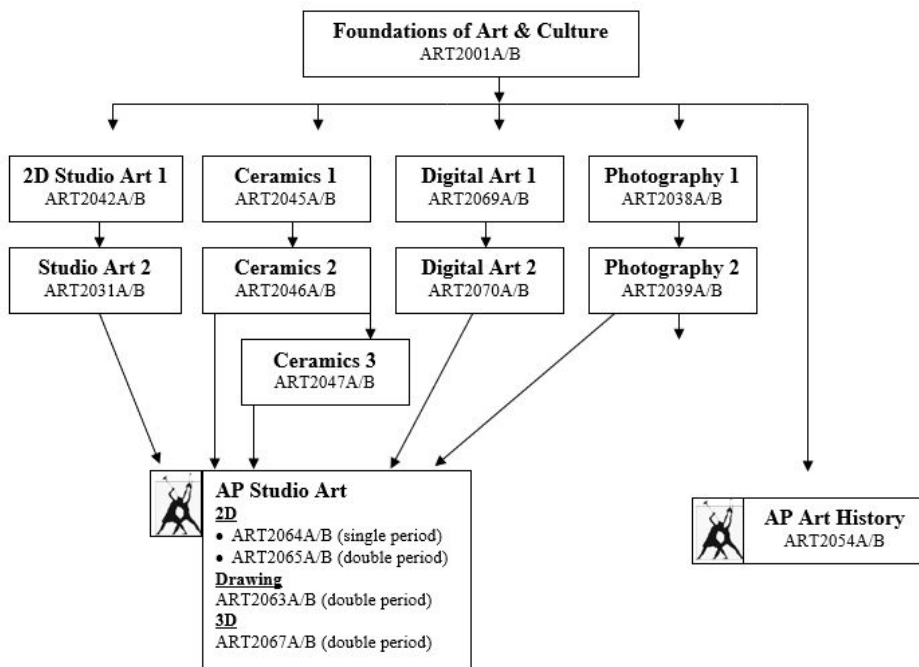
In recognition of outstanding scholarship and achievement in college-level courses, this certificate will be awarded to any student who has

- Completed AP NSL by end of 10th grade with a grade of C or higher
- Completed at least 2 AP classes during the 11th grade, one of which must be in English or Math, with a grade of C or higher
- Completed 2 additional AP classes during 12th grade, with a grade of C or higher.
- Taken at least 5 AP exams during high school.

Signature Program Certificate in Advanced Arts

Students who pursue an area of study in the Arts, by participating in 5 courses, at least one of which is an AP course, will be awarded an Advanced Arts certificate in one of the following areas:

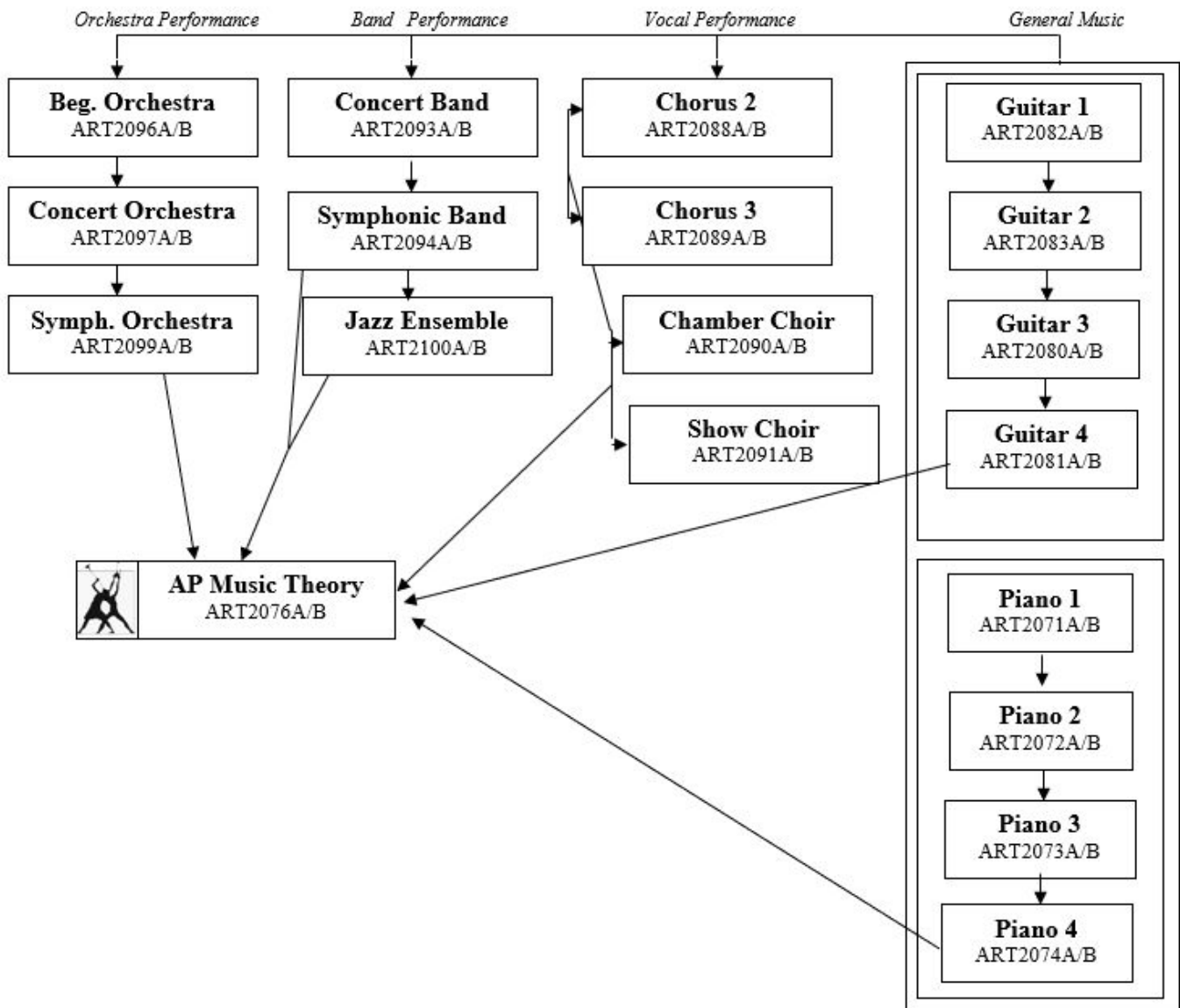
Signature Visual Art Scholar Program



Requirements for Program Completion

1. 3 Art Courses
2. AP Art History
3. AP Studio Art
4. AP Portfolio Submission

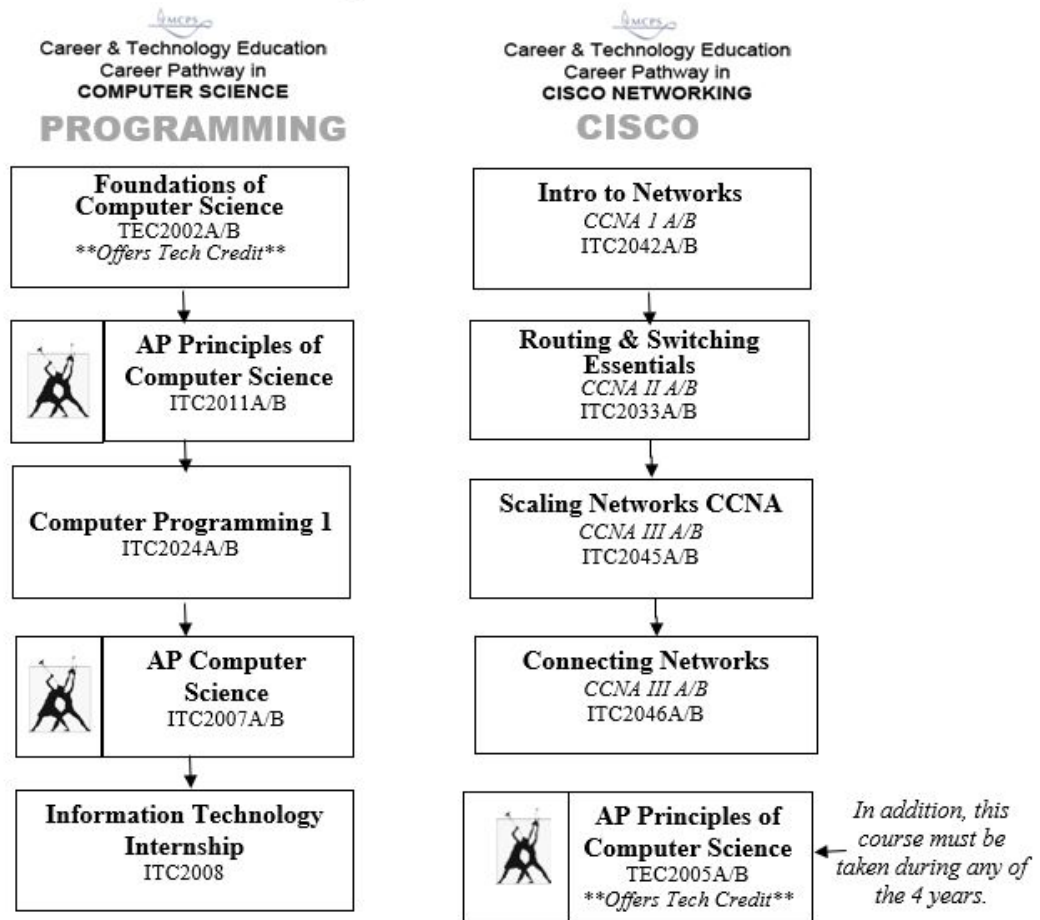
Signature Music Scholar Program



Requirements for Program Completion

1. 4 Music Courses
2. AP Music Theory.
4. Take AP Music Theory Exam

Signature Computer Science Scholar Program



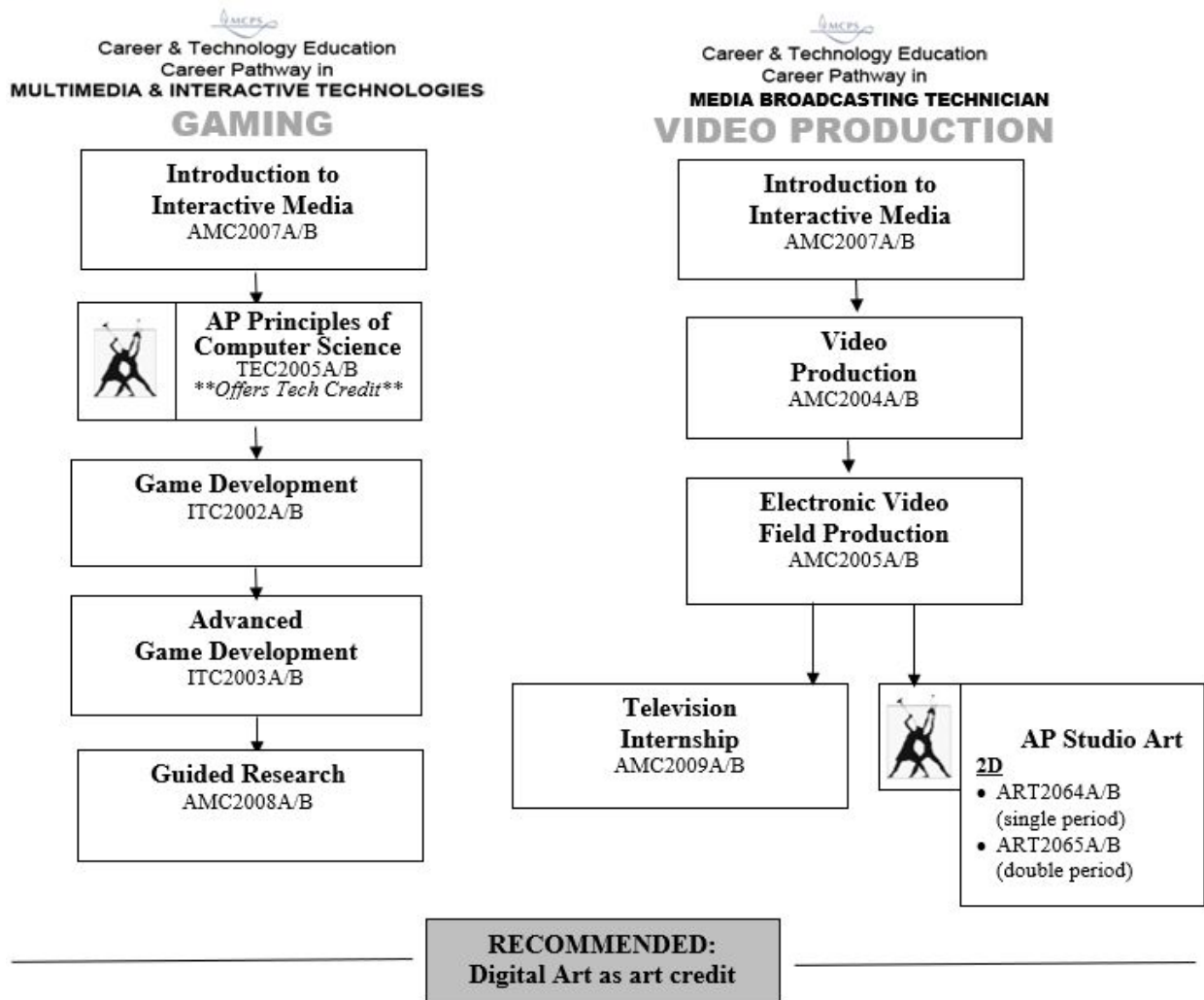
**RECOMMENDED:
Digital Art as art credit**

Requirements for Program Completion

1. Completion of 5 courses, in the strand at a high school.
***If FOCS is completed at the middle school, student may substitute a Digital Art, CISCO or Gaming class to replace taking FOCS at QO.*
2. Take the College Board exam for both of the AP courses.

**Earn three college credits at Montgomery College through the MCPS articulation agreement by earning a B or higher in the articulated courses and completing the entire high school plan. (AP Class not required for CISCO CTE pathway completion.)*

Signature Media Communications Scholar Program



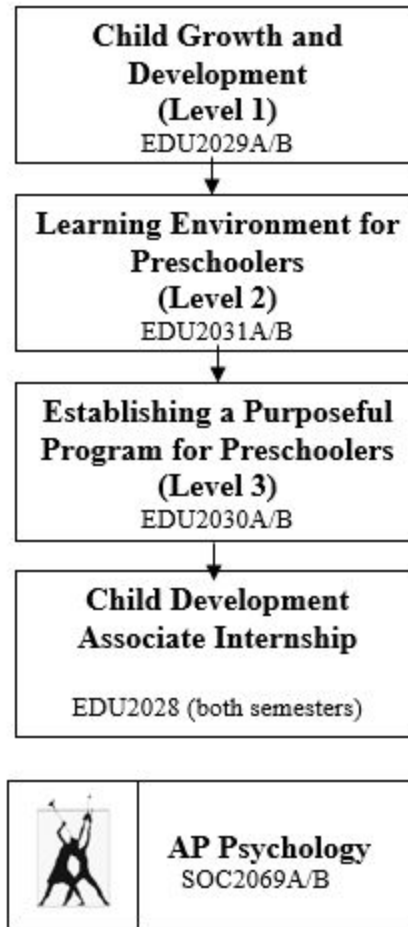
Requirements for Program Completion

1. Completion of all 5 courses, in the strand.
2. Take the College Board exam for the AP course.

**Earn three college credits at Montgomery College through the MCPS articulation agreement by earning a B or higher in the articulated courses and completing the entire high school plan. (AP class not required for CTE pathway completion.)*

Signature Education Scholar Program


Career & Technology Education
Career Pathway in
Child Development Associate Preschool Program (CDA)






Requirements for Program Completion

1. Completion of all four Child and Adolescent Development courses.
2. Take the College Board exam for AP Psychology.

**Earn the 90+9 Clock Hours Certification recognized by the Childcare industry in the State of Maryland*

**Earn three college credits at Montgomery College through the MCPS articulation agreement by earning a B or higher in the articulated courses and completing the entire high school plan. (AP Psychology not required as part of the CTE Education Pathway.)*

Signature Social Studies Scholar Program

Required Courses	Two of the following Courses	12 th Grade
 <p>AP NSL Government SOC2021A/B</p>	<ul style="list-style-type: none"> • AP United States History SOC2022A/B • AP Comparative Governments SOC2024A/B • AP European History SOC2037A/B • AP Human Geography SOC2068A/B • AP Macroeconomics SOC2064 • AP Microeconomic SOC2065 • AP Psychology SOC2069A/B 	 <p>AP World History SOC2047A/B</p>
		 <p>CAPSTONE COURSE: Quest ENR2004A/B</p> <p>Prerequisites: AP NSL and AP World History</p>

Requirements for Program Completion

1. A total of 4 Social Studies AP classes, including AP NSL Government and World Government.
2. Take the College Board exams for the AP classes.
3. Completion of Quest, with AP Lit co-requisite.

Signature Social Studies Law & Society Program

LAW & SOCIETY

MCPS
Career & Technology Education
Career Pathway in
JUSTICE, LAW & SOCIETY*

Required Courses	One of the Following Courses	Requirements for Program Completion
<p>Introduction to Justice, Law & Society PGS2000A/B</p> <p>↓</p> <p>Law & the Administration of Justice PGS2001A/B</p> <p>↓</p> <p>Contemporary Issues in Justice, Law, Society PGS2002A/B</p>	<ul style="list-style-type: none"> • AP United States History • AP Comparative Governments • AP European History • AP Human Geography • AP Macroeconomics • AP Microeconomic: • AP Psychology (see course codes above) 	<ol style="list-style-type: none"> 1. 4 law classes 2. 1 Social Studies AP classes 3. Take the College Board exams for the AP courses. <p><i>*Earn three college credits at Montgomery College through the MCPS articulation agreement by earning a B or higher in the articulated courses and completing the entire high school plan. (AP class not required as part of the CTE Law Pathway.)</i></p>
<p>↓</p> <p>Intern Law/Gov't/Safety/Admin PGS2003</p>	<p>↓</p> <p>Research Law & Government PGS2011A/B</p>	<p>↓</p> <p>Dual Enrollment at Montgomery College</p>

Signature Advanced Engineering Program



What is Project Lead the Way?

Project Lead the Way (PLTW) is a national program designed to help you better understand what engineering is all about, and how your particular skills and talents may be just what is required to become a successful engineer.

Yes, math and science are a great part of it, but it's so much more than that! If you think that math and science aren't your thing and have therefore never even considered engineering as a possible career area, just wait 'til you get involved with the exciting projects offered through these courses. They make the math and science you learn in the classroom relevant to what you're doing and it actually ends up making you stronger in math and science!

PLTW courses will engage you through a combination of activities-based, project-based, and problem-based (APPB) learning. APPB learning not only creates an environment for applying engineering concepts to real problems, but also prepares students to:

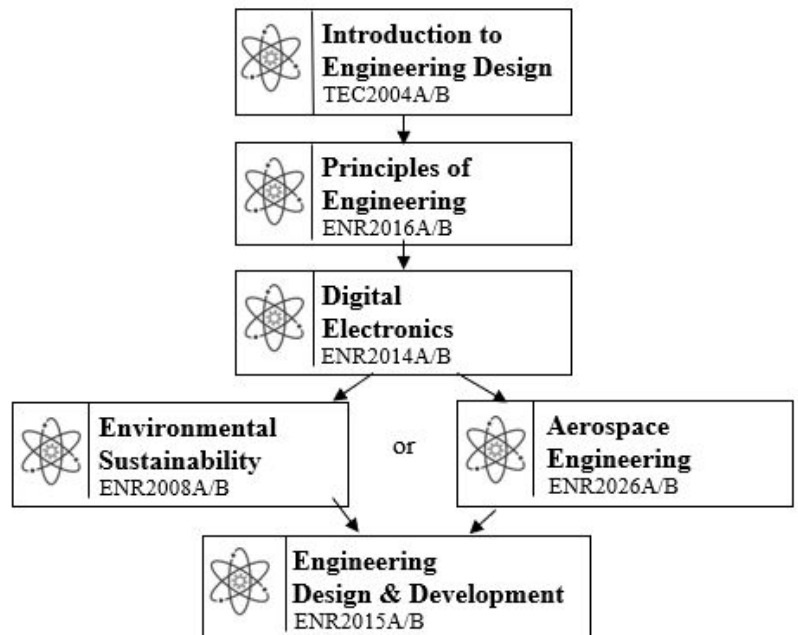
- Lead teams
- Lead teams
- Lead teams
- Speak to a public audience
- Conduct research
- Understand real-world impacts
- Analyze data
- Learn outside the classroom

Requirements for Program Completion

1. Completion of 5 courses, in the strand at a high school.
***if IED is completed at the middle school, students will complete both Aerospace Engineering and Environmental Sustainability.*
2. Take the end of the year PLTW exam for each course.

**Earn three college credits from RIT (Rochester Institute of Technology) for each course, except the capstone, Engineering Design & Development course, by earning a 6 or higher on the end of the year PLTW exam.*

Career & Technology Education Career Pathway in **ADVANCED ENGINEERING PROJECT LEAD THE WAY***



Signature Program Certificate in Advanced Academics

In recognition of program completion, this certificate will be awarded to any student who has completed one college-level course and maintained an overall GPA of “C” or better.

Scheduling Multiple Signature Programs

Participating in multiple Signature Programs can be tricky. The key is to plan early! Sometimes that means saving some of your required credits for later in high school, to allow for prerequisites or perhaps taking Health over the summer. Here is one example:

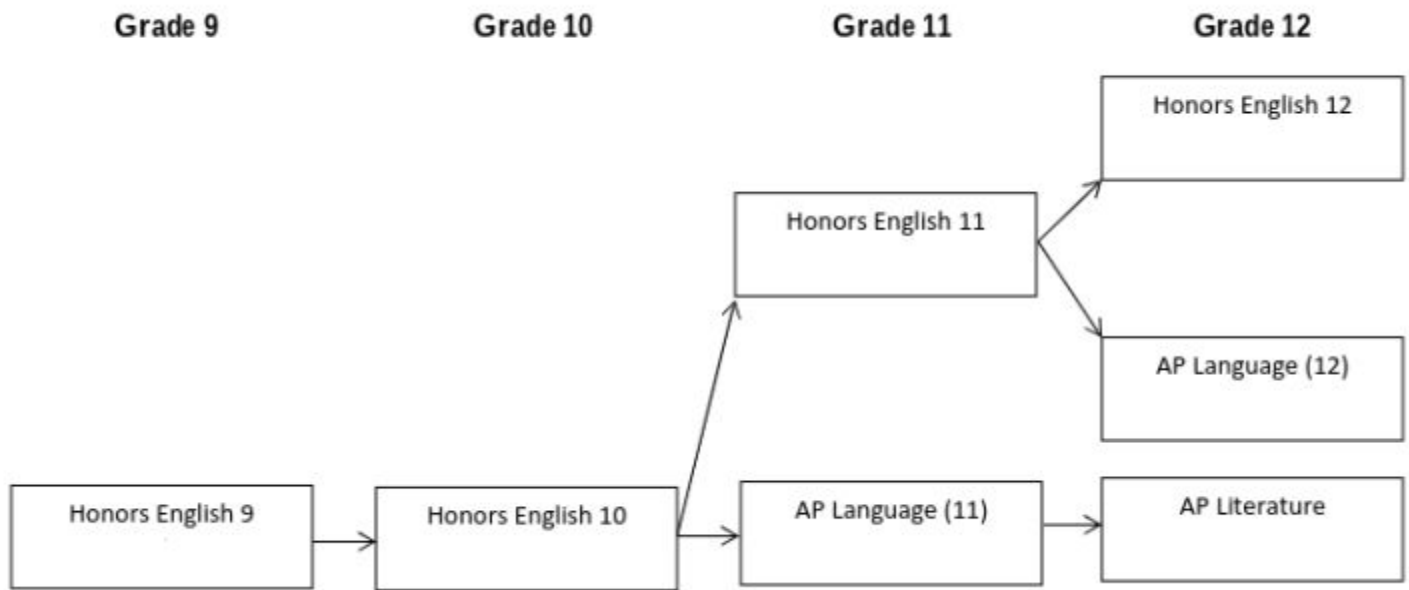
Completing the PLTW pathway and the AP Scholar Signature Programs:

	9	10	11	12
1	English	English	AP Language	AP Literature
2	Math	Math	Math	AP Math
3	US History	AP NSL	AP World	
4	Biology	Chemistry	Physics	Science
5	World Languages	World Languages	World Languages	World Languages
6	IED	POE	DE	EDD
7	Art	PE	ES or AE	

Find more examples of signature program combination planning here:

<https://docs.google.com/document/d/1LCi6OMsgRvR3s8JTsCf5hO20SLbd4-GLOTom9pxskjE/view>

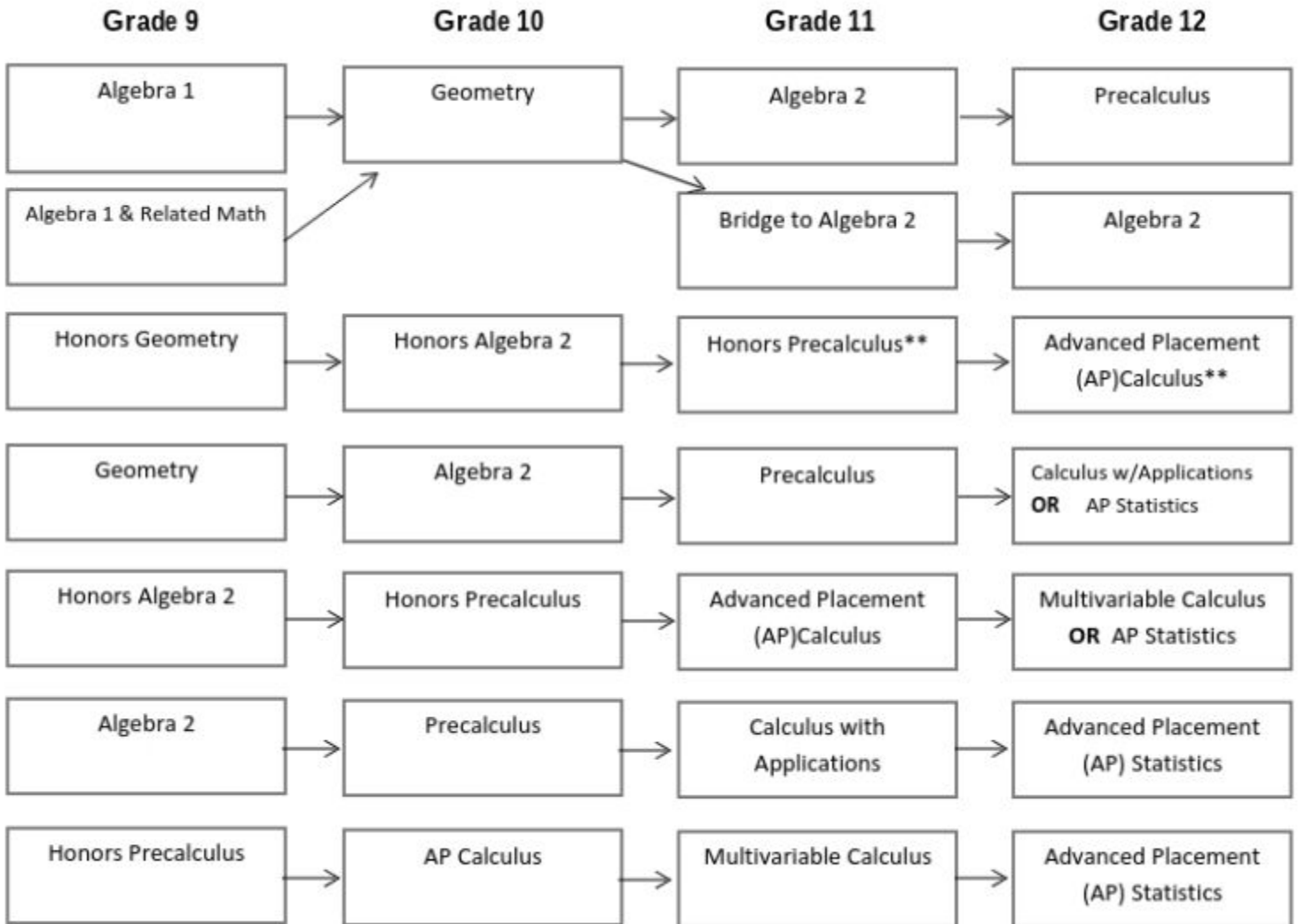
English Department Course Sequence



Additional English Department Elective

- Culture in Literature (10-12)
- Literature as Film (10-12)
- Journalism /Newspaper (9-12)
- Tech of Adv. Journalism/Yearbook (9-12)
- Advanced Composition/Creative Writing (10-12)
- TV Productions (11-12)
- Theatre 1 and 2 (9-12)

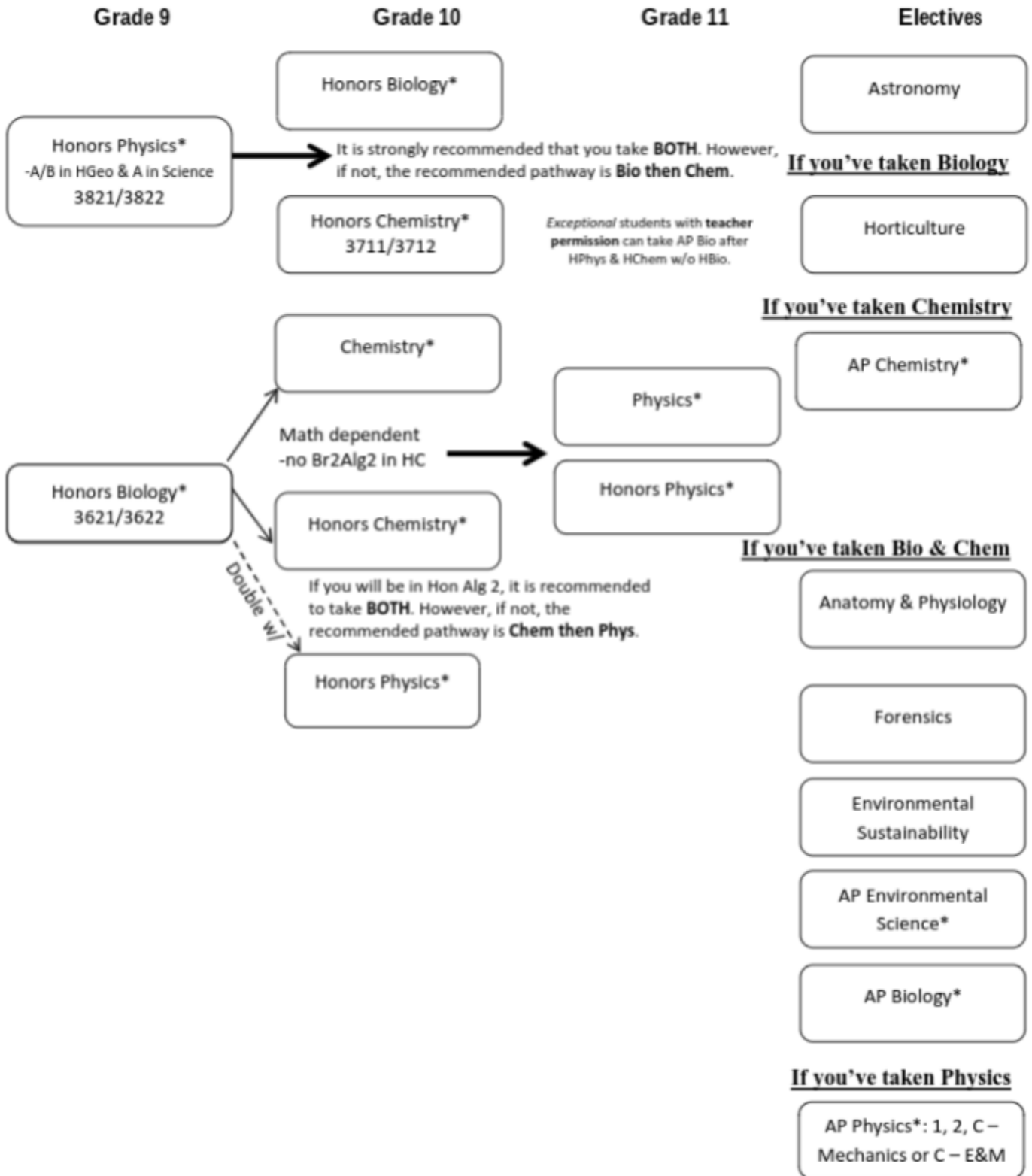
Math Department Course Sequence



Notes:

- Math course recommendations are based upon student achievement in their current classes, performance on standardized test such as PSAT, SAT, and ACT, and performance on the state required algebra MCAP exam.
- **AP Statistics may be taken concurrently with Honors Precalculus or with AP Calculus.
- Some students may be recommended for Statistics upon completion of Algebra 2.
- Some students may be recommended for Quantitative Literacy, which is not shown in the chart.

SCIENCE - COMMON PATHWAYS



The * classes meet the NGSS requirements.

Social Studies Department Course Sequence

Grade 9	Grade 10	Grade 11	Grade 12
Honors US History	Honors National, State and Local Government	Honors Modern World History	Social Studies On-Level or Honors Elective
or	or	or	or
AP US History	AP National, State and Local Government	AP Modern World History	Social Studies AP Elective

Electives

<u>On-Level & Honors</u>	<u>Advanced Placement Electives</u>	<u>QUEST</u>
<ul style="list-style-type: none"> Ancient History African American History Comparative Religions Latin American History Law Medieval History Philosophy Sociology Women's History 	<ul style="list-style-type: none"> Comparative Government European History Human Geography Macroeconomics Microeconomics Psychology United States History 	<p>A capstone course for students completing the Social Studies advanced course of study; taken in 12th grade.</p> <p>Students must complete:</p> <ul style="list-style-type: none"> - AP NSL & AP World History - Two other AP social studies electives <p>Students must also take AP Literature during their senior year</p>

Social Sciences Signature Program For the Accelerated Advanced Studies of the Social Sciences

In order to complete the Social Sciences Signature Program at Quince Orchard High School, you must complete the following prior to graduation

All students must complete the following courses:

10th Grade – AP NSL Government
 11th Grade – AP World History
 12th Grade Capstone Course – Quest
 12th Grade – AP Literature

All students must complete **TWO** of the following courses:

AP Comparative Government
 AP Economics
 AP European History
 AP Human Geography
 AP Psychology
 AP US History

All students who complete the Social Sciences Signature Program will receive a red, black, and gold honor cord at graduation.

Important Articulation Dates

DECEMBER 2020

MON	TUES	WED	THURS	FRI
	1	2	3	4
7	8	9	10	11
14	15 9th - 11th Grade Student Registration through Cougars Connect	16 9th - 11th Grade Parent Registration Meeting Webinar	17 Electives Fair through Cougars Connect	18
21 11th Grade Registration (English Classes)	22 11th Grade Registration (English Classes)	23	24 WINTER BREAK	25 WINTER BREAK
28 WINTER BREAK	29 WINTER BREAK	30 WINTER BREAK	31 WINTER BREAK	

Important Articulation Dates

JANUARY 2021

JANUARY 2021				
MON	TUES	WED	THURS	FRI
				1 WINTER BREAK
4	5	6	7	8
11 10th Grade Registration (English Classes)	12 10th Grade Registration (English Classes)	13 Absentees Registration	14 Absentees Registration	15 Absentees Registration
18 HOLIDAY	19 Absentees Registration	20 Absentees Registration	21 9th Grade Registration (English Classes) ----- 8th Grade Parent Registration Mtg Webinar	22 9th Grade Registration (English Classes)
25 Absentees Registration	26 First Day of 2nd Semester	27 Absentees Registration	28 Absentees Registration	29 PROFESSIONAL DAY No School for Students

FEBRUARY 2020

MON	TUES	WED	THURS	FRI
1 First Day of 2nd Semester	2	3	4	5
8 Lakelands MS Presentation 1:45 – 2:45 pm	9 Ridgeview MS Presentation 1:45-2:45	10	11 Lakeland MS Registration 1:45pm-2:45pm	12 PROFESSIONAL DAY No School for Students
15 HOLIDAY PRESIDENTS' DAY	16 Ridgeview MS Presentation 1:45-2:45	17	18	19 Absentees Registration
22 Absentees Registration	23 Absentees Registration	24 Absentees Registration	25 Absentees Registration	26 Absentees Registration