BHS

Course Exploration Night!

January 17, 2024





"You can get THERE from HERE!"



Graduation Requirements

Additional Requirements:

*Work-based learning experience; Complete an AP course, Honors, or Dual-Enrollment, OR Earn a CTE credential

*Must earn sequential electives.

Advanced Studies Diploma									
26 Credits	5 Verified Credits								
4 English	2								
4 Mathematics	1								
4 Science	1								
4 History	1								
3 World Language									
1 Fine Arts or CTE									
2 Health & PE									
1 Econ & Personal	Finance								
3 Electives									
First Aid/CPR/	AED training								
26 Total Credits	5								

Standard Diploma 5 Verified Credits 22 Credits 4 English 3 Mathematics 3 Science 3 History 1 World Language, Fine Arts or CTE 1 Fine Arts or CTE 2 Health & PE 1 Econ & Personal Finance 4 Electives First Aid/CPR/AED training 22 Total Credits

Academic Career Plan



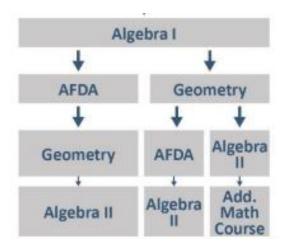


Math Options

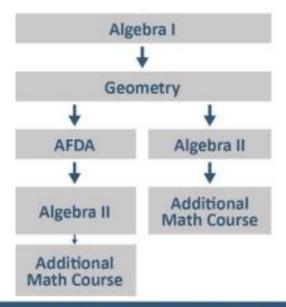


3 credits for Standard Diploma 4 credits for Advanced Diploma

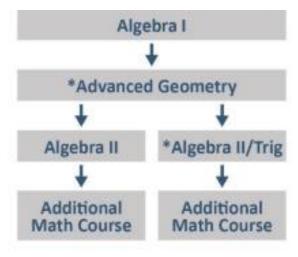
Path 1



Path 2



Path 3



Mathematics Additional Course Offerings (Grades 9-12)

- · Computer Mathematics
- Algebra III
- Data Science
- Trigonometry
- · Probability & Statistics
- Discrete Math
- Calculus

- *Math Analysis (Trigonometry prerequisite)
- *AP Calculus AB (Math Analysis prerequisite)
- *AP Calculus BC (Math Analysis prerequisite)
- *AP Statistics

- *AP Computer Science A
- · Directed Study Mathematics
- Discrete Mathematics
- Governor's School for Science & Technology



English Options

4 credits for Standard and Advanced Diploma



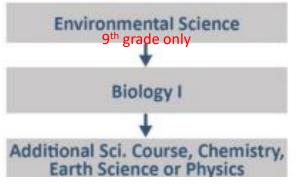
English Electives

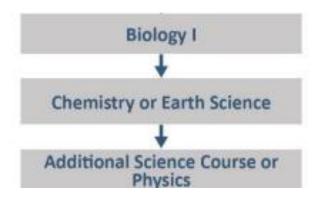
Yearbook/Mass Media
Newspaper/Mass Media
Literary Magazine/Mass Media
Public Speaking
Film Studies (grades 11-12)
Creative Writing (grades 10-12)
Graphic Novel as Lit (grades 10-12)
*Adv. Literary Arts Writing Practicum (SOA)

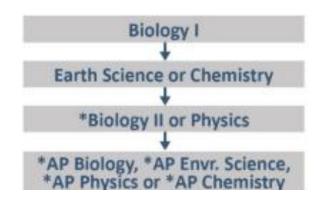


Science Options

3 credits (from 2 disciplines) for Standard Diploma 4 credits (from 3 disciplines) for Advanced Diploma







Science Additional Course Offerings (Grades 9-12)

- Directed Study Science
- Atmospheric Science & Climatology
- Ecology
- *Biology II/Mammalian Anatomy & Physiology
- *Biology II/Marine Science
- Governor's School for Science & Technology

Science Discipline Areas

Biology

. *AP Biology

Science

*AP Environmental

- Environmental Science
- Biology
- Ecology
- *Biology II/Mammalian Anatomy & Physiology
- *Biology II/Marine Science

Earth Science

- · Environmental Science
- Earth Science
- Atmospheric Science & Climatology
- *AP Environmental Science

Chemistry

- Chemistry
- *AP Chemistry

Physics

- Physics
- · *AP Physics I
- *AP Physics II

*Weighted Course



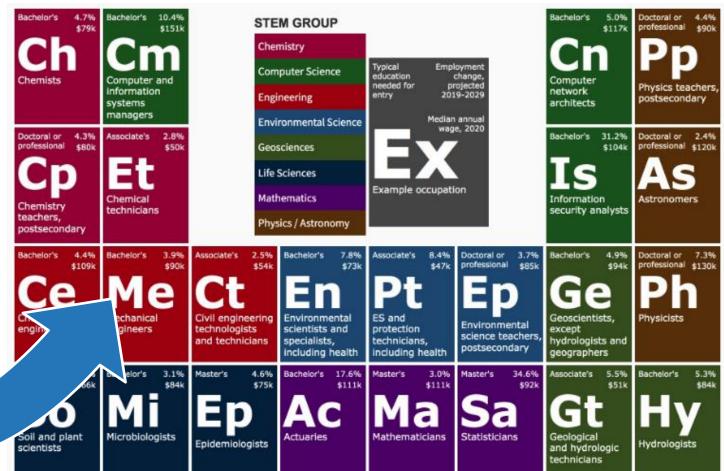
Science

Thinking about a Career in STEM?

STEM Career Periodic Table

The U.S. Bureau of Labor and Statistics has posted this great tool in the form of a periodic table to help students investigate various STEM careers.

Careers in STEM Found in all BHS Science Canvas courses





Science

Thinking about a Career in STEM?

I am interested in STEM - what courses should I take?

The 'Careers in STEM'
Canvas module
includes a course
selection chart for
STEM careers.

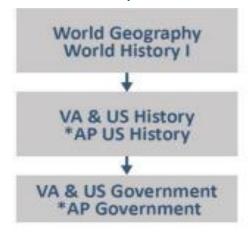
x = should take these courses in High School y = suggested to take one or more of these in High School z = may be part of your high school science sequence	Aerospace Engineer	Analytics Manager	Applications Engineer	Astronomer	Big Data Analyst	Biochemist	Biologist	Biomedical Engineer	Chemical Engineer	Civil Engineer	Climitologist	Clinical Analyst	Clinical Informatics Analyst	Computer Hardware Engineer	Computer Network Architect	Computer Programmer	Computer Support Specialist	Computer Systems Administrator
Earth Science				Z							z							
Biology I	х	х	х	x	х	х	х	х	х	х	x	х	х	х	х	x	х	х
Chemistry I	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Physics I	Z	x	x	Z	x	x	x	x	Z	Z	x	x	x	Z	x	x	X	х
Atmospheric Science and Climatology				У	У	-	-	-			У		-				-	-
Ecology				,	,						,							
Biology II Mammalian Anatomy and Physiology							Z											
Biology II Marine Science																		
AP Environmental Science		У	У		У				v	v	v	v	v		v	v	v	У
AP Biology		y	v		v	v	Z	v	v	v	v	v	v		v	v	v	v
AP Chemistry	х	y	, V	х	v	v	V	v	x	v	v	v	v	٧	v	v	v	v
AP Physics I	x	y	v	X	v	v	v	v	x	x	v	v	v	v	v	v	v	y
AP Physics II (Virtual)		,	-															
,																		
AP Statistics	У	V	v	٧	x	X	٧	х	v	v	v	V	V	٧	٧	V	v	У
AP Calculus	x	y	у	у	У	У		У	x	y	Ĺ	y	У	y	y	y	y	y
										,								



History and Social Sciences

3 credits for Standard Diploma 4 credits for Advanced Diploma

Standard Diploma Track



Advanced Diploma Track



History & Social Science Electives

Sociology (grades 10-12)
Psychology
*AP Human Geography
*AP Psychology
*AP European History



Grade 9

PE 9 and Health

Grade 10

PE 10 and Driver Education

Grades 11-12

Advanced PE

Grade 9 Equivalent

Naval Science I

Dance Arts I

Grade 10 Equivalent

Dance Arts II



World Languages

Requirements for Advanced Diploma

Spanish

Spanish 1

Spanish 2

Spanish 3

Spanish 4

French

French 1

French 2

French 3

French 4

Spanish & French

Spanish 1

Spanish 2

French 1

French 2

Level 4 Required only for Honors Program



Additional World Language Options

- **AP** Spanish
- AP French (Virtual Virginia)
- Other Languages through Virtual Virginia or YCSD VHS:

German(I, II, III, IV, AP)

Latin (I, II, III, AP)

ASL (I, II, III)



Fine Arts

Art Drama Music



- Vocal
- Instrumental



Art

Grades 9-12

Ceramics

Crafts

Art 1

Grades 10-12

Photo 1

Computer Graphic Art

Art 2

3-D Design

Grades 11-12

Photo 2

AP Studio Art

AP Art History

Art 3

Art 4



Drama

Grades 9-12

Drama 1

Technical Theatre Grades 10-12

Drama 2

Grades 11-12

Drama 3

Grade 12

Drama 4



Vocal

Grades 9-12

Chorus 1

Music Appreciation

Small Vocal Ensemble 1

Grades 10-12

Chorus 2

Small Vocal Ensemble 2



Instrumental

Grades 9-12

Guitar (Beginning or Level 2)

Concert Band (Brass and Woodwinds)

Symphonic Band (Audition Required)

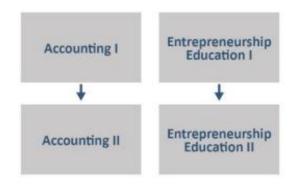
Stage Band (Jazz Band)
(Audition Required)

Percussion



Business and Information Technology

Business & IT Course Offerings & Suggested Sequences





Related Electives (Grades 9-12)

- Career Internship
- Career Mentorship
- Service Learning
- Student Technology Internship
- Credit for Work Experience
- Business Management

Requirements for Career/Technical Program
Completer in Business & Information Technology:

• Any two occupational Business & Informational Technology courses (or semester equivalents that eaual two 36-week courses)

NOTE: Career/Technical Education courses prepare students to take industry certification exams.

Marketing Course Offerings & Suggested Sequences



Related Electives (Grades 9-12)

- Career Mentorship
- Career Internship
- Service Learning
- Credit for Work Experience
- Student Technology Internship

Completer in Marketing:

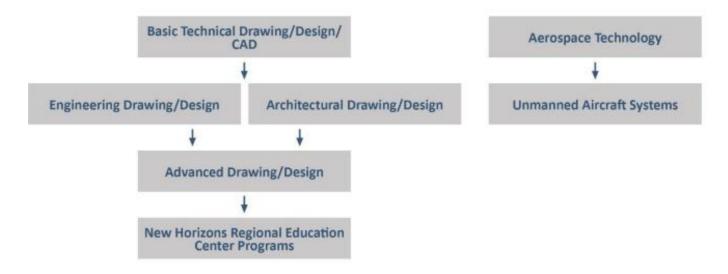
• Two 36-week sequential Marketing courses

Requirements for Career/Technical Program

NOTE: Career/Technical Education courses prepare students to take industry certification exams.



Technology Education



Related Electives (Grades 9-12)

- · Career Internship
- Career Mentorship
- Service Learning
- Technology Foundations
- Credit for Work Experience
- Engineering Exploration

Requirements for Career/Technical Program Completer in Technology Education:

 Two 36-week Technology Education courses in a concentration sequence

NOTE: Career/Technical Education courses prepare students to take industry certification exams.



Family and Consumer Science (YCSD Virtual High School)

Life Planning (grades 9-12)

Nutrition and Wellness (grades 9-12)

Virginia Teachers for Tomorrow I (grades 11-12)

Virginia Teachers for Tomorrow II (grade 12)



YCSD Specialty Programs

YCSD Honors Program Governor's Health Sciences Academy School of the Arts Naval Sciences (YHS) Early College Dual Enrollment (VPCC and BHS) Governor's School for Science and Technology New Horizons Career and Technical Education *International Baccalaureate Diploma *York River Academy



Governor's Health Science Academy

Program Criteria

Take a mathematics and science course each year in high school

Maintain a minimum of a 2.5 GPA

Earn an industry certification or at least nine (9) transferrable college credits.

Take a minimum of three (3) sequential health science courses within a pathway

GHSA completers will earn the Governor's Health Sciences Academy seal on their diploma

Courses

Intro to Health and Medical Sci (Grades 9-12)

Medical Terminology (grades 10-12)

Sports Medicine II (grades 12)

Sports Medicine II (grade 12)

Leadership Development (grade 11-12)

New Horizons Courses

Dental Careers

Emergency Medical Technician (also offered at VPCC)

Medical Assistant

Nurse Aid

Pharmacy Technician

Physical/Occupational Therapy

Sports Medicine

Veterinary Science



OPEN TO
ALL YCSD
HIGH SCHOOL
STUDENTS!
APPLICATION
REQUIRED



Literary Arts Track

Grade 9

- Advanced Literary Arts 9
- Advanced Arts Link and Writer Workshop 9

Grade 10

- Advanced Literary Arts 10
- Advanced Arts Link and Writer Workshop 10

Grade 11

- AP English 11
- Advanced Arts Link and Writer Workshop 11

Grade 12

- AP English 12
- Advanced Arts Link and Writer Workshop 12
- Advanced Literary Arts
 Writing Practicum
 (Optional)

Dance Arts & Theatre Track

Grade 9



Dance Arts Level I

Arts Level I

 Advanced Technical Theatre Level I

Grade 10

- Advanced Technical Theatre Level II-IV
- Advanced Theatre Arts Level I or II
- Dance Arts Level II

Grade 11

- Advanced Technical Theatre Level II-IV
- Advanced Theatre Arts Level II, II, or III
- Dance Arts Level III-IV

Grade 12

- Advanced Technical Theatre Level II-IV
- Advanced Theatre
 Arts Level I, II, III, or IV
- Dance Arts Level III-IV
- Advanced Practicum (Optional)

