

CCHS 2020-2021: Description of Career Clusters and Concentrations

Students will pick a **Career Cluster (bold and underlined)**, and a **Career Concentration (bold only)**.

Agriculture, Food, and Natural Resources

- ★ **Agribusiness Systems/CASE Plant Science:** Focuses on entrepreneurial and technical skill and careers in the broad spectrum of Agriculture, Food, and Natural Resources. Students will select a specialization in Forestry, Horticulture, or Agriculture Mechanics. *Careers: Foresters, Purchasing agents and Buyers for Farm Products, Groundskeepers, Nursery worker, Grounds Maintenance Worker, Veterinarians, Environmental Engineers, Soil and Plant Scientists*
- ★ **Power, Structure, and Technical Systems:** Focuses on entrepreneurial and technical skills and careers in the agricultural mechanics industry. Allow students to pursue interests in agricultural structures or agricultural repair and maintenance. *Careers: Mechanic, Field Technician, Construction Worker, Heavy Equipment Mechanic, Diesel Mechanic, Welder, Machinist, Farm Equipment Mechanic*

Architecture and Construction

- ★ **Building Maintenance and Operations:** Students will learn skills necessary to complete general maintenance in residential and commercial buildings. *Careers: General Maintenance and Repair Worker, Property Manager, Maintenance Supervisor*
- ★ **Carpentry:** Students will gain a basic knowledge of safety, use of tools and equipment, and plan reading. Students will have the opportunity to earn NCCER Certification for each skill set mastered. *Careers: Construction workers, Managers of Construction Trades, Landscapers*
- ★ **Electrical Technician:** Students will learn basic principles and technical skills needed in the Electrical Trades Industry. Motivated and dedicated students will be eligible to complete the Journeyman Electrician License. *Careers: Electrician, Electrical engineer, Construction Worker*

Arts, A/V Technology and Communications

- ★ **Performing Arts:** Students are expected to have a deep interest in learning about and developing skills in the performing arts. Students will pick a specialization in Guitar, Band, Theatre, Contemporary Ensemble and Steel Drums, or Chorus. *Careers: Musicians, Singers, Careers in the music industry.*
- ★ **Visual Arts:** Students are expected to have a deep interest in learning about and developing skills in the visual arts. Students must be willing to participate in art contests and attend local art exhibits. *Careers: Art Teacher, Graphic Designer, Artist*

Marketing

- ★ **Marketing:** Students will gain a basic understanding of the marketing industry. *Careers: Salesperson, Manager, Travel Consultant*

Business Management and Administration

- ★ **Management & Administrative Support:** Students will gain a basic understanding of management principles. Any student wishing to major in Business in College would benefit from this career concentration. *Careers: Store Manager, Human Resources Manager, General Management*

Health Science

- ★ **Therapeutic Services:** Allows the student to explore careers focused on direct work with patients in which they will provide care, treatment, and health education information. *Careers: Certified Nursing Assistant, Acupuncturists, Anesthesiologists, Doctors, Midwives, Pharmacists, Registered Nurses, Psychologists, Physician's Assistants, Occupational Therapists, Physical Therapists*
- ★ **Allied Health Services:** Allows the student to explore careers focused on direct work with patients in which they will provide care, treatment, and health education information. *Careers: Certified Nursing Assistant, Doctor's Assistant, Pharmacy Technician, Dental Assistant, EMT*

Information Technology

- ★ **Coding:** Students interested MUST successfully complete BCA I with a B or better & complete an interview. Students MUST be highly motivated & work independently. *Careers: Animator, Graphic Artist, Graphic Designer, Webmaster, Video Game Designer*
- ★ **Information Management A&B:** Students will focus on career that produce images through hands-on activities which will include operating a digital camera, using imaging software, using drawing software, creating simple animations and manipulating video images. *Careers: Administrative Assistant, Secretary, Animator, Graphic Artist, Desktop Publisher, Computer Operator, Web Designer*

Law, Public Safety, Corrections, and Security

- ★ **Virtual Criminology:** Students will complete four online courses to gain knowledge related to forensics, criminology, social problems, & career opportunities. *Careers: Lawyers, Correctional Officers, Police Detectives, Forensic Science Technicians, Security Guard*

Science, Technology, Engineering, and Mathematics

- ★ **AC Innovations of Science, Technology, Engineering, and Mathematics:** This program will develop students' technological literacy and stimulate their interest in pursuing a career in the STEM fields. *Careers: All types of Engineers, Biofuels/Biodiesel Technology, Chemists*

Biomedical Science

- ★ **Biomedical Science:** Students engage in activities like investigating the death of a fictional person to learn content in the context of real-world cases. They examine the structures and interactions of human body systems and explore the prevention, diagnosis, and treatment of disease, all while working collaboratively to understand and design solutions to the most pressing health challenges of today and the future. *Careers related to human medicine, physiology, genetics, microbiology, and public health.*

Professional Concentration

- ★ Students must complete two AP level courses, two years of the same foreign language, and a 4th Science

Scheduling Dates for 2020- 2021 School Year

Monday - August 10th - Incoming Seniors ONLY

Last names	A - B	8:00 - 9:00
	C - D	9:00 - 10:00
	E - H	10:00 - 11:00
	I - M	11:00 - 12:00
	N - R	12:00 - 1:00
	S - V	1:00 - 2:00
	W - Z	2:00 - 3:00

Tuesday - August 11th - Incoming Juniors ONLY

Last Names	A - B	8:00 - 9:00
	C - G	9:00 - 10:00
	H - L	10:00 - 11:00
	M - O	11:00 - 12:00
	P - S	12:00 - 1:00
	T - Z	1:00 - 2:00

Wednesday - August 12th - Incoming Sophomores ONLY

Last Names	A - B	8:00 - 9:00
	C - G	9:00 - 10:00
	H - K	10:00 - 11:00
	L - N	11:00 - 12:00
	O - S	12:00 - 1:00
	T - Z	1:00 - 2:00

Thursday - August 13th - Incoming Freshman ONLY

Last Names	A - B	8:00 - 9:00
	C - F	9:00 - 10:00
	G - L	10:00 - 11:00
	M	11:00 - 12:00
	N - S	12:00 - 1:00
	T - Z	1:00 - 2:00

Monday - August 17th - Scheduling Make-Up Day 8:00 - 2:00

* For anyone who did not schedule during the previous week

SCHEDULING INFORMATION FOR THE 2020-2021 SCHOOL YEAR

Students will receive the opportunity to schedule classes for the 2020-2021 school year, before the start date of September 8, 2020. Specifics as to how this will take place, and the date in which you will have the opportunity to work with school personnel to make your schedule, will be released in the near future.

Please see below the pertinent information regarding required courses and elective courses that will be available.

IMPORTANT CHANGES FOR THE 2020-2021 SCHOOL YEAR:

- For this year only, we will be using a traditional block schedule. Students will take 4 courses during the fall semester and 4 courses during the spring semester. Students will still receive 8 credits at the end of the school year.
- Multiple learning options will be available to Clay High School students this school year. For specifics, please visit www.claycountyschools.org and find the educational options that are available for the 2020-2021 school year.

These changes were made in order to adhere to social distancing recommendations by health professionals. We look forward to having a safe and successful school year!

9th Grade Course Requests

Required: English 9
Required: Algebra I or Geometry
Required: World History 9
Required: Earth Science
Required: Physical Education
Required: High School 101
Elective:
Elective:

10th Grade Course Requests

Required: English 10
Required: Geometry or Algebra II and/or Trig/Pre-Calc
Required: History 10
Required: Biology or Honors Biology
Required: Health
Elective:
Elective:
Elective:

11th Grade Course Requests

Required: English 11 or AP Literature (Dual-Credit through WVSU)
Required: Algebra II or Trig/Pre-Calc or Algebra III (College Algebra) or Calc AB
Required: History 11 or AP US History
Required: Chemistry or Anatomy or Physical Science or Environmental Science
Elective:
Elective:
Elective:
Elective:

12th Grade Course Requests

Required: English 12 or AP Language (Dual-Credit through WVSU)
Required: Trig/Pre-Calc or Algebra III (College Algebra) or Calc AB or Calc BC or Transitional Math
Required: Civics or AP Government and Politics
Elective:
Elective:
Elective:
Elective:
Elective:

Dear CCHS Students,

First and foremost, please understand that we will help you to develop a schedule that works for you and your goals. As with many things right now, that process is going to look a little different than it usually does, but have faith that we can make this work!

The first thing to consider, when developing your schedule, is answering the question, "What do I want my career to be after leaving high school?" If you know the answer to that question, it can be very advantageous to align your schedule with this goal. On the other hand, many probably do not know the answer to that question and that is 100% okay! Think about things that you like to do or that may interest you. Take a variety of classes to help you determine the types of courses you enjoy and those you dislike. If you are unsure of how to build your schedule, maximizing course offerings, or how to ensure you have enough credits to graduate-don't worry! Mrs. Osburn and Mrs. Duffield will be available to make sure you have a schedule that works for you!

Here are a few things you need to consider when picking your elective courses:

- What do I want to be when I get older?
- What is my Career Cluster and what courses do I need to take to complete this cluster?
- What classes do I enjoy?
- What types of courses would I like to learn more about?
- Am I pushing myself to my full potential?
- Have I failed any courses? If so, what is my plan for retaking these courses?

Also keep in mind you must:

- Have 26 total credits to graduate
- Complete 4 English Credits
- Complete 4 Math Credits
- Complete 4 Social Studies Credits
- Complete 3 Science Credits (4 Credits for College Bound Students)
- Have 2 credits of the same foreign language to be admitted to 4 year colleges
- Complete 1 Art Credit
- Complete 1 PE Credit and 1 Health Credit
- Complete a Career Concentration and Cluster

Now, to the process of scheduling. Here's how it will work. Right now, use the attached documents to gain more information about your career cluster. Please look at the following pages to see the required courses for your career cluster. Then, take a look at the available courses for your grade. Again, remember, even though things are different this year, you will still get help and be able to have a schedule that works for you! Please be patient and also excited for the upcoming year.

Counselors will be available to address concerns.

Please e-mail Mrs. Osburn at LOSURN@K12.wv.us with any questions. Attendance from the 2019-2020 school year will be taken into consideration for course selection.


Available Electives for 9th Grade Students

- Theater
- Bio Medical
- Weightlifting
- Fitness and Conditioning
- Recreational Sports
- Future Leaders Program
- BCA
- Digital Imaging

- Management Entrepreneurship
- Marketing Principles
- Business Marketing
- Carpentry 1 and 2
- Foundations in Health Care
- Spanish 1 or 2
- Art 1
- Agriculture 1
- Plant Science
- STEM 1
- Personal Finance
- Band
- Music Theory
- Chorus
- Instrumental Tech
- Steel Drums
- Electrical 1 and Residential Wiring

Available Electives for 10th, 11th, and 12th Grade Students

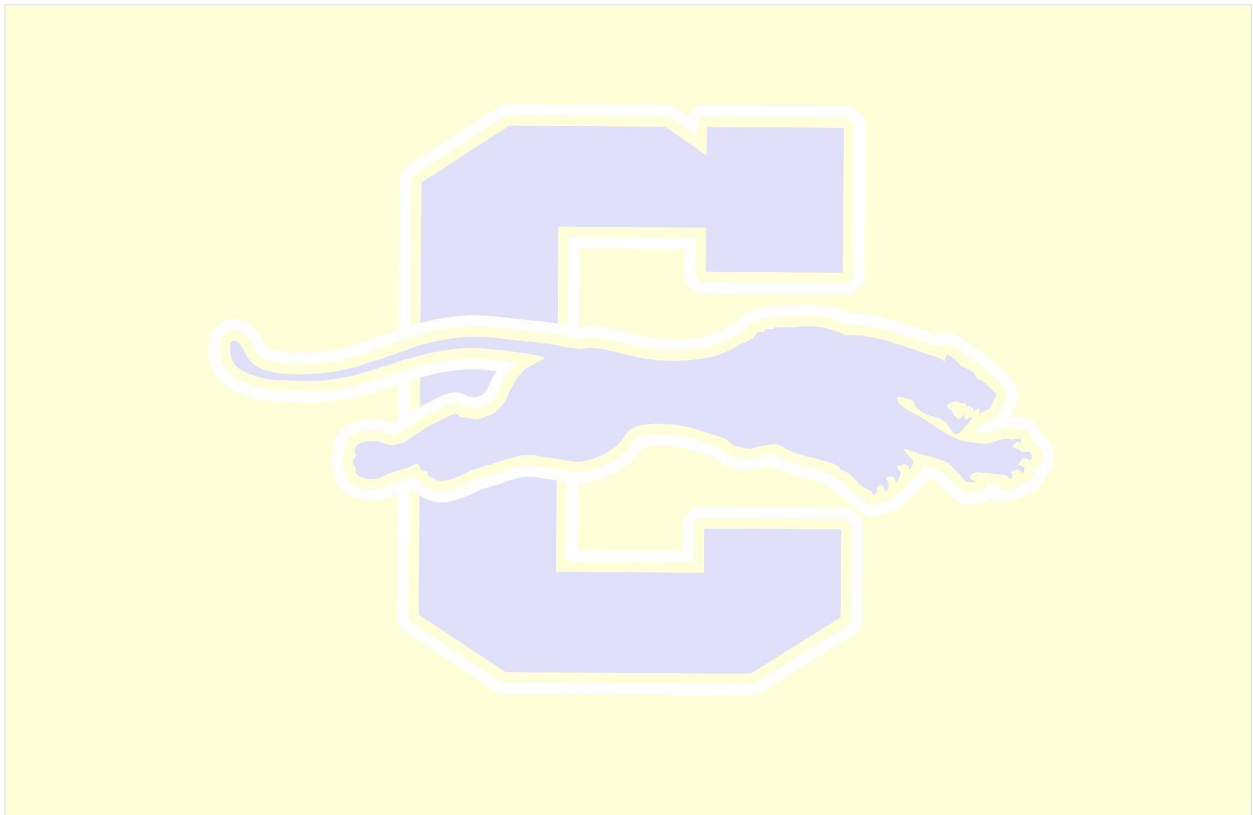
While all of the following electives are available, please remember that many of these courses have prerequisites, attendance and GPA minimum requirements that must be completed and/or met prior to taking higher level courses. E-mail Mrs. Osburn at LOSURN@k12.wv.us with any questions.

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- Comm 100 (Dual-Credit through WVSU)
 - Theater
 - Bio Medical
 - Weightlifting
 - Fitness and Conditioning
 - Recreational Sports
 - Future Leaders Program 1, 2, 3, 4
 - BCA
 - Web Page
 - Desktop Publishing
 - Virtual Coding
 - Digital Imaging 1 and 2
 - Management Entrepreneurship
 - Marketing Principles
 - Business Marketing
 - Carpentry 1, 2, 3, 4
 - Facilities Maintenance 1, 2, 3, 4
 - Foundations in Health Care
 - Advanced Principles
 - Clinicals (3 credits)
 - Spanish 1 or 2
 - Art 1, 2, 3, 4
 - Agriculture 1 and 2
 - Plant Science
 - Ag Mechanics 1 and 2
 - STEM 1, 2, 3, 4
 - Personal Finance
 - Band 1, 2, 3, 4
 - Music Theory
 - Chorus 1, 2, 3, 4
 - Instrumental Tech
 - Instrumental Ensemble
 - Steel Drums
 - Electrical 1 and Residential Wiring
 - College Algebra (Dual-Credit through WVSU)
 - Chemistry/ AP Chemistry and Lab
 - AP Biology and Lab
 - Anatomy
 - Physical Science
 - Environmental Science
 - AP Psychology

Virtual College Courses for 11th and 12th Grade Students

Virtual college courses will be available for qualifying students in the 11th and 12th grades. These courses vary in subjects and have GPA requirements that need to be met through the various institutions such

as; West Virginia State University, Marshall University, Glenville State College, and West Virginia University . These courses will require a virtual period in your daily schedule. If you are interested in these courses, please see Mrs. Osburn and/or a Principal when scheduling.



1st Block	2nd Block	3rd Block	4th Block
English 11	English 11	PLANNING	English 11
4011	4011		4011
English 12	English 12	PLANNING	English 12
4012	4012		4012
English 10	English 10	PLANNING	English 10
4010	4010		4010
HS 101	ENGLISH 9	PLANNING	ENGLISH 9
7698	4009		4009

1st Block	2nd Block	3rd Block	4th Block
English 11	AP LIT (140)	PLANNING	English 11
4011	4042		4011
English 12	AP LANG (101/102)	PLANNING	Comm 100
4012	4041		41640x
Theater	English 10	PLANNING	English 10
3801/3804	4010		4010
ENGLISH 9	ENGLISH 9	PLANNING	ENGLISH 9
4009	4009		4009

Geometry	Geometry	Geometry	PLANNING
3062	3062	3062	
HS 101	Algebra I	Algebra I	PLANNING
7698	3061	3061	
HS 101	Trig/Pre-Calc	Trig/Pre-Calc	PLANNING
7698	3064	3064	
Algebra II	Algebra II	Algebra II	PLANNING
3063	3063	3063	

Geometry	Geometry	Geometry	PLANNING
3062	3062	3062	
Algebra I	Algebra I	Algebra I	PLANNING
3061	3061	3061	
Trans. Math Sr.	Trig/Pre-Calc	Trig/Pre-Calc	PLANNING
Co-Taught 3052	3064	3064	
Algebra II	Algebra II	College Alg.	PLANNING
3063	3063	30510X	

AP Bio	AP BIO LAB	PLANNING	Anatomy
6121	6122		
BIOLOGY	BIOLOGY	PLANNING	STEM 3
6021	6021		1547
Environmental	Earth Sci	PLANNING	Earth Sci
6312	6201		6201
HS 101	Physical Science	PLANNING	Chemistry
7698	6011		

Honors Biology	Bio Medical	PLANNING	Anatomy
			6103
BIOLOGY	BIOLOGY	PLANNING	BIOLOGY
6021	6021		6021
Earth Sci	Earth Sci	PLANNING	Earth Sci
6201	6201		6201
Chemistry	Physical Science	PLANNING	Physical Science
	6011		6011

History 11	PLANNING	History 11	History 11
7011		7011	7011
History 10	PLANNING	History 10	History 10
7009		7009	7009
AP Psych	PLANNING	History 9	History 9
7047		7010	7010
Civics	PLANNING	AP Govern.	Civics
7031		70440X	7031

History 11	PLANNING	History 11	Weightlifting
7011		7011	6709
History 10	PLANNING	History 10	History 10
7009		7009	7009
History 9	PLANNING	History 9	History 9
7010		7010	7010
AP USHistory	PLANNING	Civics	Civics
		7031	7031

HEALTH	HEALTH	Rec. Sports	PLANNING
6909	6909	6741	
PE	PE	HEALTH	PLANNING
6609	6609	6909	

HEALTH	HEALTH	Fit. Conditioning	PLANNING
6909	6909	6709	
PE	PE	Credit Rec. Assist.	PLANNING
6609	6609	8021	

ALC	PLANNING	ALC	ALC
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ALC	ALC	ALC	PLANNING
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PLANNING	FLP-2	Ethical Issues	FLP-1
	7795	1226	7795
PLANNING	Electrical 1	Electrical 2	NEC
PLANNING	Dig. II	BCA	WEB PAGE/ V. Coding
	1432	1411	1455
PLANNING	Marketing Prin.	Pers. Finance	STEM 2
	422	1451	1546
PLANNING	Carpentry 3	Carpentry 3	Carpentry 1
	1844	1844	1842
PLANNING	Advance	Foundations	Foundations
	0715	0711	0711
PLANNING	Ag. 1	Ag. 2	Ag Mech I-0112
	161	0102	112
PLANNING	Spanish 2	Spanish 1	Spanish 1
	5662	5661	5661
PLANNING	ART I	ART I	Art II
	3211	3211	3212
PLANNING	Music Theory	Steel Drums	BAND
	3756	3741	3641/3644

PLANNING	FLP-2	Sem. Law Enfor	FLP-1
	7795	1035	7795
PLANNING	Res Wiring	Electrical 3	Electrical 4
PLANNING	Digital 1	Desktop Pub./Yearbook/V. Coding	Sports Marketing
	1431	1429/1455	425
PLANNING	Management	Bus. Marketing	STEM 1
	1445	1439	1545
PLANNING	Carpentry 4	Carpentry 4	Carpentry 2
	1845	1845	1843
PLANNING	CLIN	CLIN	CLIN
	0790	0730	0730
PLANNING	Plant Sci.	Ag. 1	Ag Mech II-0113
	166	161	113
PLANNING	Spanish 2	Spanish 1	Spanish 1
	5662	5661	5661
PLANNING	ART I	ART I	Art III/IV
	3211	3211	3213/3214
PLANNING	Chorus	Instr. Tech.	Concert Band
	3766	3731	

Co-English 10	Co-English 11	SC 11/12 Eng.	PLANNING
Credit Rec. Assist.	Co-English 9	Behavior Mod..	Planning
Co-Geometry	Co-Trig/PreCalc	Co-Algebra II	PLANNING
SC-Science	SC 9/10 Math	Co-Algebra 1	PLANNING
HS 101	PLANNING	SC-English	DCT

Co-English 12	PLANNING	SC 11/12 Eng.	Co-English 10
SC English 9/10	PLANNING	SC English 9/10	Co-English 9
Transitional Math	PLANNING	Co-Algebra 1	SC Math 11/12
Co-Geometry	PLANNING	SC 9/10 Math	Co-English 11
DCT	PLANNING	SC-Math	SC-Social Studies