2021-2022

Program of Study

Growing a Community of Leaders

The mission of Kent County High School is to equip every student to achieve success in a diverse global community

A Message From
The Principal

Dear Students,

The mission of Kent County High School is to equip every student to achieve success in a diverse global community. The exciting journey of high school is and remains a time when students lay the foundation for a bright future. Kent County High School is committed to providing all students with a 21st Century education in order to meet college and career readiness.

I encourage all students and their parents to take the time to carefully review the *Kent County High School Student Program of Study*. This important Guide can assist you with making important decisions about your high school course of study that will impact your future higher education pathway and career choices. This document will also help you with understanding all high school requirements and course offerings. You will find traditional classroom courses, as well as online courses.

Please know that our School Counselors stand ready to assist students and their parents with the very important decisions that will have to be made regarding your future. I am confident that you will have a bright future and that you can develop the right foundation here at Kent County High School.

KCHS Beliefs

- All students will be career and/or college ready
- High expectations of all staff and students are essential for success
- Each student is a unique, valued individual capable of learning
- Lifelong learning is essential to becoming productive members of society
- Parents and community members are urged and welcomed to actively participate in the education of our students
- An environment that promotes student learning, positive relationships, and mutual respect is fundamental to individual and community growth

District Contact Information

KCPS Administration
410-778-1595
Superintendent, Dr. Karen Couch
Director of Teaching & Learning,
Gina Jachimowicz
Student Services & Secondary Supervisor,
Tracey Williams

KCPS Board of Education
President, Joseph Goetz
Vice President, Patricia McGee
Member, Wendy Costa
Member, Francois Sullivan
Member, Nivek Johnson
Student Member, Sam Buckel

School Contact Information

KCHS Administration
Principal, Joseph Graf
Assistant Principal, Jillian Wharton
Assistant Principal, Aaron Pretlow

Counseling Department
410-778-7153
A – K Counselor, Jessica Bennett
L – Z Counselor, Sandra Tilghman
Crisis Counselor, Courtney Miller
Counseling Secretary, Tilise Swinson

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Graduation Requirements

Credit Requirements

A minimum of 23 credits must be earned in grades 9 through 12 to receive a Maryland High School Diploma. Students must be enrolled four years beyond grade 8 unless the Superintendent of Schools grants a formal waiver.

English **4**
- 1 credit must be English I
- 1 credit must be English II
- 1 credit must be English III or AP English Language and Composition
- 1 credit must be English IV or AP English Literature and Composition

Math **4**
- 1 credit must be Algebra I
- 1 credit must be Geometry

Science **3**
- 1 credit must be Biology
- 2 credits that must include lab experience in any of the following areas: Earth Science, Life Science, Physical Science

Social Studies **3**
- 1 credit must be Government
- 1 credit must be U.S. History
- 1 credit must be World History

Physical Education **1**

Health Education **1**

Fine Arts **1**

Technology Education **1**

Additional Credit, Social Studies or Science 1

One or more of the following Completer Programs:

World Language **2**

and/or

Career and Technology Education Completer **4 or 5**

Electives **1- 4**

Class of 2022-2024 **Total Credits 23**

Class of 2025 **Total Credits 25**

Service Learning

Students must complete 75 hours of approved individual service learning, including three components of preparation, action and reflection. This service learning requirement is a Maryland State Department of Education requirement and waivers may not be granted.

Student Transfer Policy:
Students who transfer into Kent County Public Schools from out of state need to complete the following number of hours before graduation based on the school year in which they transfer: grades 6 to 8, 75 hours; grade 9, 45 hours; grade 10, 30 hours; grade 11, 20 hours; grade 12, 10 hours. School counselors will advise students of this requirement upon registration.

Students who wish to transfer in previously earned hours must have proof of previous service learning. This should be given to the counselor's office.

Appropriate Assistance

Kent County High School offers students who do not meet the testing requirements appropriate assistance to meet this graduation requirement. This assistance includes individual tutoring before, during, or after school and assistance in the completion of Bridge Projects.

Maryland High School Certificate

The goal of the certificate program is to use all available resources to ensure that students are able to enter the workplace and become responsible, productive citizens.

The Maryland High School Certificate is awarded to students with disabilities who cannot meet the requirements for a diploma. A student with a disability may be considered for the Maryland High School Certificate if he/she:

- Meets the criteria for taking the Alternate Maryland Assessment (Alt-DLM)

- Is enrolled in an educational program for at least four years beyond grade 8 or its age equivalent, and is determined by an IEP team, with the agreement of the parents of the student, to have developed appropriate skills for the individual to enter the world of work, to act responsibly as a citizen, and to enjoy a fulfilling life in the world of work including, but not limited to, (a) gainful employment, (b) work activity centers, (c) sheltered workshops, and (d) supported employment; or

- Has been enrolled in an educational program for four years beyond grade 8 or its age equivalent and will have reached the age of twenty-one by the end of his/her current year.

Students who receive a Maryland High School Certificate will not be eligible to earn a GED.

Certificate of Merit

The purpose of the Certificate of Merit is to reward students who successfully pursue more challenging programs. To earn a Certificate of Merit, students must be a dual completer and have a cumulative 3.0 GPA.

Academic Honors

Valedictorian and salutatorian will be computed based on final grade point averages that reflect a four-year program. The weighted grade point average will be determined by dividing the total points earned for all grades by the total number of credits attempted and computed to the nearest thousandth of a point. Valedictorian and Salutatorian status will be determined at the conclusion of Quarter 3 of the senior year.

Senior Portfolio/Interview

Career and Technology completers are required to compile a career portfolio in their final course.

The purpose of the Senior Portfolio and Interview is to give students an opportunity to practice skills with the business community that will prepare them to market themselves to both colleges and employers.

The Portfolio consists of an archive of student academic achievements, work experience, and performance. It allows colleges and employers to have a better insight into the academic life of the student and it allows students to become better organized and have some control over their destiny. Finally, it opens better lines of communication among students, staff, parents, and community and business leaders.

There is a timeline for students to complete the Portfolio. A Portfolio Scoring Rubric is used and students are expected to make the necessary corrections to achieve an Adequate or Superior rating before receiving final approval and be scheduled for an interview.

The interview consists of business mentors participating in a “mock” job interview with students. Business mentors will then provide students with a written evaluation of their performance.

Need To Know

Promotion

Kent County High School requires the following minimum criteria to be met to advance to the next grade level:

Sophomore	5 credits and entering second year of high school attendance
Junior	10 credits and entering third year of high school attendance
Senior	17 credits and entering fourth year of high school attendance

High School Credits From Middle School

A student may earn high school credit while in middle school by meeting the following requirements:

- Complete a middle school course that is the same as the course offered in the high school and that gives the same end-of-course exam, which may include but is not limited to Algebra I or Spanish I.
- Earn a final grade of 60% or better in the course.

The grade earned will not be used in the calculation of the high school grade point average. Students are required to take a math course each year in high school. Four math credits are required for graduation.

World Language credit earned in middle school will count towards a high school credit and dual completership.

Dual Completer

Kent County High School and the State of Maryland encourage students to be dual completers. A dual completer is a student who completes at least two years of the same World Language and a state approved Career Technology Education program.

Transfer Credits

A student entering the school system may transfer high school credit through the following provisions:

- A student coming from any accredited institution with an official transcript will be awarded a credit and grade for successfully completed courses, which are compatible to Maryland State graduation requirements.
- A student from a non-accredited home schooling program or non-accredited school will have his/her program and course work evaluated. A student may be required to take a placement examination to determine appropriate placement and credit.
- Students coming from a homeschooling program will be given a Pass or Fail for the courses taken prior to enrollment unless they are under an umbrella program that offers an official transcript. Pass and fail grades are not calculate in the GPA.
- Religion courses may be listed on the transcript but can carry no credit nor factor into the GPA.
- If a student transfers from an accredited or non- accredited out-of-state school or homeschooling program and credit has been awarded for a state assessed subject, the student will be exempt from the MD Comprehensive Assessment Program and awarded the minimum passing score.
- Only STEM, Honors, AP, the final CTE course, and Dual Enrollment offered through Kent County High School will be transferred on the weighted scale when calculating a GPA.

Drop/Add Courses

The requests for a schedule change must be received in the counseling office within the first (5) days of the start of the course. In order to drop/add Honors, STEM, AP or Dual Enrollment course, the parent/guardian must be notified.

Honors Courses

Using extended curricula and challenging materials at an accelerated pace, the instruction in honors courses requires advanced levels of student motivation and independence. Students are expected to produce original, creative, and complex products. Outside of class reading and writing (both summer and during course) with follow-up assignments may be required.

Parents and students should review a variety of criteria (e.g., academic achievement, teacher recommendation, standardized test scores, portfolio artifacts) when considering enrollment in honors courses. For more information and further advisement, contact your school counselor.

Calculating a Cumulative GPA

The Cumulative Grade Point Average (GPA) determines a student's academic rank in relation to all members of a particular graduating class. Most courses offered at Kent County High School are weighted on a 4.0 scale, however honors, STEM, AP, final CTE course, and Dual Enrollment are weighted on a 4.5 scale. Weighted courses are indicated by a scale icon (). Dual enrollment credits will be added to the high school transcript and calculated in the GPA. If you have any questions concerning your student's cumulative GPA, please call your school counselor.

Virtual Learning

Virtual Learning is designed to expand the access of Maryland public school students to challenging curricula aligned to the Maryland Content Standards as well as to other appropriate standards through the delivery of high-quality online courses. Kent County Public Schools (KCPS) uses APEX learning as our online course provider.

The KCPS System will assume the cost for these courses; however, seats are limited. All online courses will be taught at KCHS. Credit for graduation will be earned through these courses and will appear on the final report card and high school transcript. Final grades will not available on PowerSchool until completion. Consult with your school counselor.

Grade Recouping

Grade recouping is an opportunity for students to learn and demonstrate mastery of crucial course content. It is a shared responsibility between home and school. One recouping re-assessment opportunity will be offered for each summative assessment in every course (Note: Midterm, culminating activities, and end of course exams are not eligible for recouping). When content mastery is re-assessed, it may be re-assessed partially, entirely, or in a different format as determined by the teacher. Assessments that determine the student's mastery of curricular objective can be recouped. While some time must be allowed for re-teaching/re-learning of the un-mastered objective(s), recouping must be completed within 8 school days of when the assessment is returned. Students must be required to complete independent related work in order to be allowed to recoup.

Evening School

Kent County's Credit Recovery Program is designed to keep students on track to graduate with their peers by providing an immediate opportunity to re-learn content. Any student who fails to earn a graduation credit can be placed in a course recovery program during school or an evening school program. These courses are conducted during the school day, if possible, and in evening school Monday through Thursday from 2:45PM to 4:45PM.

Online credit recovery has been designed with the recovery student in mind. Unit assessments provide ongoing measures of content mastery and guide individual learning plans. Instruction is teacher led and individualized through the use of computerized instructional materials.

Unit assessments allow students to skip areas of content they have mastered or receive scaffolding and support to aid in their learning of the skills.

Students must demonstrate mastery of established performance standards. All school rules including the attendance policy will apply.

Final Exam, Mid Term, and Culminating Activity

The culminating activity for each course will include evidence of knowledge of the essential curriculum for that course. A written examination must be a part of this culminating activity. This exam will include selected response questions and constructed response questions. The other parts of the culminating activity may include but are not limited to projects, presentations, and other performance-based assessments. Students must complete the final exam to receive credit for the course. End of the course final exam and culminating activity cannot be recouped. All full credit classes have a mid-term exam.

PowerSchool Parent Access

Kent County Public Schools offers the opportunity to use PowerSchool Parent Access, our student information system. With this access you can check on your student's attendance and grade information at the click of a button. In order to facilitate this process, you must register each year for a username and password. A form will be sent home at the beginning of each school year. You must return this form in person to the school with photo ID. If you have more than one child in the system, bring the form to the school of your choice. The school will provide your assigned Confidential Access ID and password, which you will use to set up your Parent/Guardian Account on the PowerSchool Parent Access site.

Counselors

School counselors are an intricate part of the education process in our school system. As school counselors, we strive to deliver services to each and every student, as well as work with parents and the community to ensure that every student has the best possible opportunity to achieve his or her goals beyond their school careers. The comprehensive school-counseling program at Kent County High School is designed to address academic progress, personal/social development and college and career planning for all students.

The School Counseling Department at Kent County High School provides the following direct services to students:

School counseling core curriculum: This curriculum consists of structured lessons designed to help students attain the desired competencies and to provide all students with the knowledge, aptitudes and skills appropriate for their developmental level. The school counseling core curriculum is delivered throughout the school's overall curriculum and is systematically presented by school counselors in collaboration with other professional educators in the 9th - 12th grade classrooms and group activities.

Individual student planning: We coordinate ongoing systemic activities designed to assist students in establishing personal goals and developing future plans.

Responsive services: Responsive services are activities designed to meet a student's social emotional needs and concerns. Responsive service may include counseling in individual or small group settings or through crisis response.

Indirect Student Services: Our counselors also provide indirect services on behalf of students. This includes referrals for additional assistance, consultation and collaboration with parents, teachers, other educators and community organizations.

Naviance

Naviance is a tool for students to use in order to understand their unique strengths as it connects to post-secondary and careers. Kent County High School also uses Naviance to help students to

understand post-secondary possibilities, explore college admissions, match to best fit colleges and ideal majors. Naviance is the platform used to upload student transcripts to colleges. Scholarships opportunities can be found on Naviance.

National Collegiate Athletic Association (NCAA) Eligibility

All students who intend to participate in interscholastic athletics in a Division I or Division II postsecondary institution must register with the NCAA Initial-Eligibility Clearinghouse. The purpose of this registration is to determine whether or not the student is a "qualifier" and can practice, compete, and receive athletic scholarships as a freshman. Part of that determination is based upon the student's completion of a required number of core courses as approved by the NCAA. Because the approved list of courses changes every spring, students must maintain contact with their school counselors to assure that courses selected during the winter registration process are still accepted by the NCAA for the subsequent school year. Students are also encouraged to see their counselors to receive more complete information on NCAA eligibility requirements, or go to their website at www.ncaa.org

Testing

Kent County High School's
CEEB Code: 211095

There are test fees for the SAT, ACT, PSAT/NMSQT and AP exams. Each testing company determines these fees. However, financial assistance is available to qualified students. Please see your school counselor for more information regarding fee waivers.

SAT
Students applying to college may need to take the SAT® exam and SAT subject tests and have their official score reports sent to the colleges of their choice. For additional information, please go to **www.collegeboard.org**.

National test dates for 2020-21 are:
August 28, 2021
October 2, 2021
November 6, 2021
December 4, 2021 - KCHS
March 12, 2022
May 7, 2022 - KCHS
June 4, 2022

ACT

Students applying to college may opt to take the ACT®. At most colleges/universities, the ACT will satisfy both the SAT Reasoning Test and some SAT Subject Tests. For additional information, please go to www.actstudent.org.

National test dates for 2020-2021 are:
September 11, 2021
October 23, 2021
December 11, 2021
February 5, 2022
April 9, 2022
June 11, 2022
July 16, 2022

PSAT/NMSQT

The PSAT/NMSQT® is a standardized test that provides first-hand practice for the SAT Reasoning Test. It also gives students a chance to enter National Merit Scholarship Corporation (NMSC) scholarship programs. All Kent County High School sophomores will take the PSAT free of charge to provide individual diagnostic information to support student education planning. Any junior who would like to take the PSAT for a qualifying score into NMSC, will need to pay to take the test. **The national test date for 2021-2022 is scheduled for October 13, 2021**.

ADVANCED PLACEMENT (®AP)
(www.apcentral.collegeboard.com)

All students enrolled in Advanced Placement courses are required to take the corresponding Advanced Placement exam in May. The cost of

the Advanced Placement exam is approximately $95.00 (subject to change). Financial assistance is available for qualified students. Please see your counselor with questions or concerns. AP exams are typically the first and second weeks in May. If a student does not take the AP exam, the AP weighting will be removed from the course on the final transcript.

Tentative May test dates are as follows:

Date	**Course**
3	Calculus A/B
4	English Literature
5	Computer Science A
6	Chemistry
	Studio Art (Portfolio Due)
9	World History Modern
10	Psychology
	Spanish Language
11	English Language
12	Computer Science Principles
13	Biology

Technology Education Credit Courses

Technology Education Credit Courses

Introduction to Engineering Design
Technology Education

Computer Science Principles

Career and Technology Education Completer Programs

Agricultural Science - CASE
Agriculture, Food, and Natural Resources
Principles of Agricultural Science - Animal
Animal and Plant Biotechnology
Agriculture Business, Research & Development

Academy of Health Professions
Foundations of Medicine and Health Science
Structures and Functions of the Human Body
Theory and Clinical Experience in Health Services
Pharmacy Tech Medical Specialty

Food and Beverage Management
Becoming a Food Service Professional I
Becoming a Food Service Professional II
Practical Experience as a Food Service Professional (2)

Fire and Rescue
Fire Rescue 1: Emergency Medical Care
Fire Rescue 2: Fire Fighter 1
Fire Rescue 3: Hazardous Materials, Operations, Rescue Technician
Fire Rescue 4: Response to Terrorism, Fireground Operations
Truck Company Fireground Operations and Rescue Technician

FM Broadcasting
Interactive Media
Broadcast Communications
Broadcast Productions
Broadcast Programming

Automotive Technician
Suspension and Steering
Brakes
Electrical/Electronic Systems
Engine Performance

Construction Trades
Foundations of Building and Construction Technology
Carpentry 1 – Level I
Carpentry 2 – Level II (2)

Project Lead The Way
Introduction to Engineering Design (IED)
Principles of Engineering (POE)
Digital Electronics (DE)
Civil Engineering and Architecture (CEA)
Engineering Design and Development (EDD)

Teacher Academy of MD
Human Growth and Development Through Adolescence
Teaching as a Profession
Foundations of Curriculum & Instruction
Education Academy Internship

Apprenticeship of Maryland
Apprenticeship MD 1: Apprenticeship Related Instruction
Apprenticeship MD 2: Work Based Learning
Apprenticeship MD 3: Work Based Learning
Apprenticeship MD 4: Work Based Learning

KCHS STEM Math and Science Progression

All STEM students take Algebra I in 8th grade	Grade 9 21-22 Class of 2025 Freshman	Grade 9 SY 20-21 Class of 2024 Sophomores	Grade 9 SY 19-20 Class of 2023 Juniors	Grade 9 SY 18-19 Class of 2022 Seniors
9th Grade	STEM Biology STEM Geometry Took MCAP Algebra in 8th	STEM Biology STEM Geometry Took PARCC Algebra in 8th	STEM Biology STEM Geometry PARCC Algebra in 8th	STEM Biology STEM Geometry Took MISA
10th Grade	STEM Chemistry STEM Algebra II Likely take MISA test here	STEM Chemistry STEM Algebra II Likely take MISA test here	STEM Chemistry STEM Algebra II Likely take MISA test here	STEM Chemistry STEM Algebra II
11th Grade	STEM Pre-Calculus AP Biology, AP Chemistry, or AP Environmental	STEM Pre-Calculus AP Biology, AP Chemistry, or AP Environmental	STEM Pre-Calculus AP Biology, AP Chemistry, Or AP Environmental	STEM Pre-Calculus AP Biology, AP Chemistry, or AP Environmental
12th Grade	AP Calculus, AP Computer Science, or College Statistics STEM Physics	AP Calculus, AP Computer Science, or College Statistics STEM Physics	AP Calculus, AP Computer Science, or College Statistics STEM Physics	AP Calculus, AP Computer Science, or College Statistics STEM Physics

MISA: Maryland Integrated Science Assessment

Note: Courses labeled STEM are where students travel together as a cohort. Students must take all courses listed in order to be considered STEM completers.

High School Requirements
Note: Bolded courses are specifically required

Grade 9	Grade 10	Grade 11	Grade 12	High School Graduation Requirements
English 9	**English 10**	**English 11**	**English 12**	4 English Credits
U.S. History	**Government**	**World History**	Social Studies Elective	3 Social Studies Credits
Biology	Physical Science OR Chemistry	Science Elective	Science Elective	3 Science Credits
Principles of Algebra, **Algebra 1 Geometry**	Next Sequential Math Course	Next Sequential Math Course	Next Sequential Math Course	4 Math credits & one each year of high school
Health				1 Credit
Physical Education				1 Credit
Fine Arts	**Fine Arts**	**Fine Arts**	**Fine Arts**	1 Credit
Tech Ed, Computer Science, Intro to Engineering & Design	Tech Ed, Computer Science, Intro to Engineering & Design	Tech Ed, Computer Science, Intro to Engineering & Design	Tech Ed, Computer Science, Intro to Engineering & Design	1 Credit
World Language	World Language or CTE Completer Program	World Language or CTE Completer Program	World Language or CTE Completer Program	2 World Language Credits or 4 CTE Completer Course Credits
	Elective	Elective	Elective	Additional electives/program requirements to equal 23 credits Class of 2025, Additional electives/program requirements to equal 25 credits

High School Requirements- STEM
For Science and Math, follow the STEM Progression Chart

Grade 9	Grade 10	Grade 11	Grade 12	High School Graduation Requirements
English 9	English 10	English 11	English 12	4 English Credits
U.S. History	Government	World History	Social Studies Elective	3 Social Studies Credits
STEM Biology	STEM Chemistry	AP Biology AP Environmental AP Chemistry	STEM Physics	4 Science Credits
STEM Geometry	STEM Algebra II	STEM Pre-Calculus	AP Calculus Calculus Statistics AP Computer Science	4 Math credits & one each year of high school
Health	Health	Health	Health	1 Credit
Fitness	Fitness	Fitness	Fitness	1 Credit
Fine Arts	Fine Arts	Fine Arts	Fine Arts	1 Credit
Intro to Engineering & Design	Intro to Engineering & Design	Intro to Engineering & Design	Intro to Engineering & Design	1 Credit
World Language	World Language or CTE Completer Program	World Language or CTE Completer Program	World Language or CTE Completer Program	2 World Language Credits or 4 CTE Completer Course Credits
	Elective	Elective	Elective	Additional electives/program requirements to equal 23 credits Class of 2025, Additional electives/program requirements to equal 25 credits

Recommended Pacing Guide or Class Expectations

Grade 9	Grade 10	Grade 11	Grade 12	**23 Credits** **Class of 2025, 25 credits**
Minimum 5 credits with 1 in English 1 in Math 1 in Science 1 in Social Studies 1 in World Language	Minimum 10 credits with 2 in English and 2 in Math 2 in Science 2 in Social Studies 2 in World Language and/or 1 in CTE Program	Minimum 17 credits with 3 in English and 3 in Math 3 in Science 3 in Social Studies 2 in CTE Program	23 credits with 4 in English and 4 in Math Additional Social Studies or Science 3 & 4 in CTE Program	

Earning College Credit

Advanced Placement® (AP)

Advanced Placement® (AP) programs are designed for students who are prepared to take college level courses. These courses are rigorous and require extensive out-of-class work. All students taking AP courses will be required to complete preparatory course work during the summer preceding the course. Other prerequisites may apply.

Kent County High School uses the AP Program's official policy for AP enrollment, which indicates that all willing students should be considered for admission to AP courses.

Course credits granted for AP courses vary from college to college, so students should contact the college(s) of their choice for specific AP Policies. Contact your school counselor for assistance. Colleges and universities throughout the world offer credit and/or placement for qualifying Advanced Placement Exam scores. Information about AP credit and placement policies at many colleges and universities is now available on the College Board's Website: www.collegeboard.org/ap/creditpolicy

Parents and students should review a variety of criteria (e.g., academic achievement, teacher recommendation, standardized test scores, portfolio review) when considering enrollment in AP courses. Students enrolled in an AP course must take the College Board exam administered at the conclusion of the course. A fee of approximately $95 (subject to change) for each exam is required. Financial assistance is available for qualified students. Please see your counselor with questions or concerns. Payment is required by mid-year. Payment plan options are available upon request. Scores earned on an AP exam are not included as part of the final grade in the AP course.

Exams may also be taken without the student having taken the course. Historically, the College Board will provide an exam schedule with exams given during morning and afternoon sessions over a two-week period in May. Consult your school counselor for exam schedule information.

To be considered for potential college credit, students are responsible for having an official Advanced Placement Score Report sent to their selected college(s). To request an official score report, use your Collegeboard account at www.collegeboard.org

Princeton, NJ 08541-6671
Telephone: 609-771-7300

Pending available certified staff and adequate enrollment Advanced Placement courses offered are: Biology, English Language, English Literature, Psychology, Spanish Language, Studio Art 2/D & 3/D, World History, Calculus A/B, Environmental Science, Chemistry, Computer Science A, and Computer Science Principles.

Credit or advanced course credit will be awarded at many colleges for scores of three, four, or five on the Advanced Placement Examinations of the College Entrance Examination Board (CEEB).

Dual Enrollment

Dual Enrollment courses are college classes which allow any eligible students to earn college credit while still attending high school. Dual Enrollment courses receive high school and college credit and are calculated in the high school GPA. Students must choose a three or four credit courses for the course to appear on their high school transcript. Students may take a one credit course but it will appear on their high school transcript or average into the high school GPA. A student attending Chesapeake College must be 16 years old and have an unweighted GPA of 2.5. Students attending Washington College's More Able Program must be seniors and have an unweighted GPA of 3.5. Students enrolled at KCHS have the opportunity to earn up to eight (8) credits each school year. Dual enrollment courses may be included in the eight (8) credits. Students that choose to take additional Dual Enrollment courses, may use the course(s) with the highest grade on their transcript as long as the number of courses/credits on the high school transcript is eight (8) during each school year.

Chesapeake College Dedicated Dual Credit Courses

Chesapeake College courses will be offered at Kent County High School pending available instructors and sufficient enrollment. Consult with your school counselor. Courses offered are open also to Kent County residents. These courses are Chesapeake College Courses and KCHS has no authority over grades or instructors. Student progress will not be available on PowerSchool. Any questions regarding registration, payment or grades must be directed to Chesapeake College at 410-822-5846. A portion of the cost of the course may be shared by Kent County Public Schools. Students must pass all prerequisite college placement tests in order to enroll in the course. Students and parents must also sign a release form allowing KCPS staff to have access to the midterm and final grade information.

Successful completion of these courses will result in both high school and college credit and will be listed on the transcript and included in the calculated GPA. Grades will not be visible in PowerSchool until completion.

Course Descriptions

The courses listed on the following pages are offered by Kent County Public Schools. Course descriptions in this guide are based upon instructional objectives and course standards. **Course availability is dependent upon the needs of the school population, enrollment numbers, staff allocations, and staff expertise.**

Courses are in the following categories:

- Business Education
- Career and Technology Education
- English Language Arts
- Fine Arts
- Mathematics
- Physical Education/Health
- Science
- Social Studies
- Technology Education
- Work Based Learning
- World Language
- Dual Enrollment
- Maryland Approved Online Classes
- Please refer to the legend below for the meaning of the icons used in the course descriptions.

LEGEND

PRE: Prerequisite Course(s) (Required)

REC: Recommended Course(s) (Suggested)

 Eligible for College Credit

 Student Transportation (Required)

 Weighted Course

L/C License or Certification

RC May Be Taken for Repeat Credit

TEST State Test Requirement

$ Required Exam/Certification Fee

CAREER AND TECHNOLOGY EDUCATION

AGRICULTURAL SCIENCE (CASE)

This program offers students the opportunity to learn about different possibilities in a career in agriculture. This program is a four- course offering. Students will have the potential to earn college credit through end of course exams. The courses required for completer status are: 897, 898, 899, and 860.

AGRICULTURAL SCIENCE 1 : INTRODUCTION TO AGRICULTURE, FOOD, AND NATURAL RESOURCES (AFNR)

897 1 Credit Grade 10

This course introduces students to the world of agriculture, the pathways they may pursue, and the science, mathematics, reading, and writing components they will use throughout the CASE curriculum. Woven throughout the course are activities to develop and improve employability skills through practical applications. Students will explore career and post-secondary opportunities in each area of the course. Students' experiences will involve the study of communication, sciences of agriculture, plants, animals, natural resources, and agricultural mechanics. Students will learn to solve problems conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning. In addition, students will understand specific connections between their lessons and Supervised Agricultural Experience and FFA components that are important for the development of an informed agricultural education student. This is the first course of a four-course sequence required for the Curriculum for Agricultural Science Education (CASE) Agricultural Science Completer Program.

AGRICULTURAL SCIENCE 2: PRINCIPLES OF AGRICULTURAL SCIENCE - ANIMAL

898 1 Credit Grade 11

This course is structured to enable all students to have a variety of experiences that will provide an overview of the field of agricultural science with a foundation in animal science. Students will explore hands-on projects and activities to learn the characteristics of animal science. They will work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, or industry personnel face in their respective careers. Students will understand specific connections between the Animal Science lessons and Supervised Agricultural Experience, FFA, and Life Knowledge components that are important for the development of an informed agricultural education student. Students will investigate, experiment, and learn about documenting a project, solving problems, and communicating their solutions to their peers and members of the professional community. This is the second course of a four-course sequence required for the Curriculum for Agricultural Science Education (CASE) Agricultural Science Completer Program. PRE: Agricultural Science 1: Introduction to Agriculture, Food, and Natural Resources.

AGRICULTURE SCIENCE 3: ANIMAL AND PLANT BIOTECHNOLOGY

899 1 Credit Grade 12

Animal and Plant Biotechnology, a specialization course in CASE Program of Study, is designed to increase the level of student understanding related to biotechnology concepts. Students will complete hands-on activities, projects, and problems designed to build content knowledge and technical skills in the field of biotechnology. Students will become proficient at projects involving micro pipetting, bacterial cultures and transformations, electrophoresis, and polymerase chain reaction. Research and experimental design will be highlighted as students develop and conduct industry appropriate investigations. Pre: Agricultural Science 1 and 2.

AGRICULTURAL SCIENCE 4: AGRICULTURE BUSINESS, RESEARCH, AND DEVELOPMENT
860 1 Credit Grade 12

The Agriculture Business, Research, and Development course will serve as the capstone course available to students through the CASE curriculum. Instruction and continued inquiry-based projects are designed to integrate key learning from previous CASE courses and have students apply real-world career situations through SAE projects or other internship/work-based learning opportunities. PRE: Agricultural Science 1, 2, and 3.

ACADEMY OF HEALTH PROFESSIONS

This completer program prepares students to take the CNA and GNA exams at the conclusion of their fourth course in their senior year. Students must learn and master necessary skills for the exam and prepare for the written test. This certification opens the doors for students wishing to enter into the healthcare profession. Students must participate in a clinical rotation at various facilities in their senior year in order to complete this program. The courses required for completer status are: 865, 866, 867, 868 and 869

FOUNDATIONS OF MEDICINE AND HEALTH SCIENCE
865 1 Credit Grade 10

This course is designed to provide students with an overview of the therapeutic, diagnostic, environmental information systems of the healthcare industry. Students will begin to prepare for a medical or health science career by developing a broad understanding of the cluster and pathways in the health and Biosciences Cluster. Students will learn about ethical and legal responsibilities as well as the history and economics of healthcare. As students learn to use medical terminology within a variety of medical and healthcare environments, they will develop skills for success, academic, and technical skills necessary to function as a health professional. PRE: Biology or concurrently enrolled in Biology.

STRUCTURE AND FUNCTIONS OF THE HUMAN BODY
866 1 Credit Grade 11

Students in this course study the structure and functions of the human body, including cellular biology and histology. Systematic study involves homeostatic mechanisms of the integumentary, skeletal, muscular, circulatory, and nervous systems, and special senses. Students will investigate the body's responses to the external environment, maintenance of homeostasis, electrical interactions, transport systems, and energy process. Students will conduct laboratory investigations and fieldwork, use scientific methods during investigations to solve problems, and make informed decisions. This is the second course of a four-course sequence required for the Academy of Health Professions Completer Program. PRE: Biology and Chemistry (can be concurrently enrolled in Chemistry).

ACADEMY OF HEALTH PROFESSION 3 AND 4: THEORY AND CLINICAL EXPERIENCE IN HEALTH SERVICES
867 1 Credit Grade 12
868 1 Credit Grade 12

Theory and Clinical Experience in Health Services is designed for students in grade twelve and meets two consecutive periods for one semester. Classroom instruction includes studying diseases and advanced nursing techniques in preparation for practical clinical experience. Students must pass the CPR and First Aid requirements before visiting any facilities. Students receive on-site instruction at Chester River Manor, Chestertown Nursing and Rehabilitation Center, Chester River Hospital Center, and Kent County Health Department. Students are candidates for the Certified Nurse Assistant and Geriatric Nurse Assistant examinations upon completion of this course. Students will have the opportunity to participate in work-based learning experiences. This is the third and fourth course of a four-course sequence required for the Allied Health Completer

Program. PRE: Health Occupations 2: Theory and Concepts of Medical Procedures. L/C, $

PHARMACY TECH MEDICAL SPECIALTY COURSE
869 1 Credit Grade 12

This course will prepare students to enter the pharmacy field and take the Pharmacy Technician Certification Board's PTCB exam, when the student is age 18. Technicians work in hospitals, home infusion pharmacies, community pharmacies and other health care settings working under the supervision of a registered pharmacist. Course content includes medical terminology specific to the pharmacy, reading and interpreting prescriptions and defining drugs by generic and brand names. Students will learn dosage calculations, I.V. flow rates, drug compounding, dose conversions, dispensing of prescriptions, inventory control and billing and reimbursement. PRE: Foundations of Medicine and Health Science and Structure of the Human Body.

APPRENTICESHIP OF MARYLAND

The Apprenticeship Maryland Program is for students, ages 16 and up (juniors and seniors).This program is designed to lead to sustainable employment and further education based on career pathways in Science, Technology, Engineering, and Mathematics (STEM) occupations as well as traditional occupational areas.

The program consists of at least one year of related classroom instruction and a workplace component of at least 450 hours. The workplace component is a paid (at least minimum wage) mentored, on-the-job, work experience with a written, student rating/work-based learning plan and a formal agreement among the student, school and employer. The agreement should reflect specific industry standards related to the career area. The workplace component is supervised by a registered Apprenticeship sponsor (approved by the Maryland Apprenticeship Training Council (MATC) through Department of Labor). Students can start the program the summer leading into their junior or senior year if the school system has someone in place to monitor their summer, work-based experience. Whether students start the program in the summer or during the school year, all program requirements (including the one year of related classroom instruction and the minimum 450 hours of work-based training under the supervision of an eligible employer) must be completed prior to graduation.

To enroll in this program, students are required to complete the Apprenticeship Maryland student application packet. The packet should include a completed Apprenticeship Student Application, cover letter, and a resume. This application should be signed by the Youth Apprenticeship Coordinator who is designated by the local school system. A copy of the application should be kept on file at the school and the original submitted to Department of Labor. Once the student is hired, the student must complete the Youth Apprenticeship Agreement in conjunction with the eligible employer, parent/guardian and school district.

AUTOMOTIVE TECHNICIAN (ASE)

This Completer Program provides the student with the knowledge and skills necessary to pass the ASE Entry-Level end of course assessment for Engine Repair, Automatic Transmission, Manual Drive Train, Suspension and Steering, Brakes, Electrical/Electronics, Heating and Air Conditioning, and Engine performance. The courses required for required for completer status are: 815, 816, 817, 818

AUTOMOTIVE TECHNICIAN 1: SUSPENSION AND STEERING
815 1 Credit Grade 10

This course provides the student with the knowledge and skills necessary to pass the ASE end-of-course assessment for Engine Repair and Electrical/Electronic Systems. Students develop diagnostic, technical, problem-solving and academic skills through classroom instruction and hands-on maintenance applications. Through theory and real-world experiences, students master the concepts and the ability to research applicable

vehicle and service information, collect and analyze relevant data, troubleshoot, identify, formulate proposed solutions to problems and perform necessary automobile electrical and engine repair tasks. Students will use state-of-the-art precision tools and equipment to gather, analyze and make necessary repairs. This is the first course of a four-course sequence required for the Automotive Technology Completer Program.

AUTOMOTIVE TECHNICIAN 2: BRAKES
816 1 Credit Grade 11

This course provides the student with the knowledge and skills necessary to pass the ASE end-of-course assessment for Steering, Suspension, and Brakes. Students develop diagnostic, technical problem-solving, and academic skills through classroom instruction and hands-on maintenance applications. Through theory and real-world experiences, students master the concepts and the ability to research applicable vehicle and service information, collect and analyze relevant data, troubleshoot, identify, formulate proposed solutions to problems and perform necessary automobile steering, suspension, and brake diagnosis and repair tasks. Students will use state-of-the art precision alignment and brake measurement tools to gather, analyze and make necessary ASE required brake, suspension, and steering repairs. This is the second course of a four-course sequence required for the Automotive Technician Completer Program. PRE: Automotive Technology 1

AUTOMOTIVE TECHNICIAN 3: ELECTRICAL/ELECTRONIC SYSTEMS
817 1 Credit Grade 12

This course provides the student with the knowledge and skills necessary to pass the ASE end-of-course assessment for Engine Performance and Heating and Air Conditioning Systems. Students develop diagnostic, technical problem-solving and academic skills through classroom instruction and hands-on maintenance applications. Through theory and real-world experiences, students master the concepts and the ability to research applicable vehicle and service information, collect and analyze relevant data, troubleshoot, identify, formulate proposed solutions to problems and perform necessary engine performance, heating, and air conditioning repair tasks. Students will use state-of-the-art precision AC tools, diagnostic scanners and equipment to gather, analyze and make necessary ASE required engine performance and air conditioning system repairs. This is the third course of a four-course sequence required for the Automotive Technology Completer Program. PRE: Automotive Technology II.

AUTOMOTIVE TECHNICIAN 4: ENGINE PERFORMANCE
818 1 Credit Grade 12

This program provides the student with the knowledge and skills necessary to pass the ASE end-of-program assessment for Maintenance and Light Repair in all eight ASE areas and immediately enter a career in this area and/or attend postsecondary education and/or training. Students develop diagnostic, technical problem-solving and academic skills through classroom instruction and hands-on maintenance applications. Through theory and real-world experiences, students master the concepts and the ability to research applicable vehicle and service information, collect and analyze relevant data, troubleshoot identify, formulate proposed solutions to problems and perform necessary automobile engine performance troubleshooting and repair tasks. This is the fourth course of a four-course sequence required for the Automotive Technician Completer Program. PRE:Automotive Technician 3: Electrical/Electronic Systems. PRE: Automotive Technician 3: Electrical/Electronic Systems. L/C, $

INTRODUCTION TO WELDING
XXX 1 Credit Grade 12
This course is for seniors who want to learn basic welding skills. This hands-on course will provide students with the fundamentals of common welding practices and processes, including safety. Participants will spend significant time practicing basic welds.

CONSTRUCTION TRADES

National Center for Construction Education & Research (NCCER)

Students completing the Construction Trades program will take the NCCER Core Certification test. The courses required for completer status are: 835, 856, 857, 858

CARPENTRY 1: FOUNDATIONS OF BUILDING AND CONSTRUCTION TECHNOLOGY
835 1 Credit Grade 10

This course is the Core Curriculum of the Construction and Development Cluster. The NCCER Core Curriculum is taught within this course and the basis for all construction skills. The course of study descriptions correlates to the modules of the NCCER national standards and related work-based learning opportunities. The course of study includes demonstration of student mastery of the following topics: Basic safety, introduction to construction math, introduction to hand tools, introduction to power tools, introduction to blueprints, basic rigging, and hands-on experience.

CARPENTRY 2: CARPENTRY I/LEVEL I
856 1 Credit Grade 11

The Carpentry program provides students an opportunity to learn about the home-building industry. Participants master a variety of construction skills. Students apply their knowledge and skills by participating in school/lab-based and work-based projects. The course of study descriptions correlates to the modules of the NCCER national standards. Carpentry I/Level I includes demonstration of student mastery of the following: Wood building materials, fasteners and adhesives, hand and power tools, floor systems, wall and ceiling framing, roof framing, and windows and exterior doors. This is the second course of a four-course sequence required for the Construction Trades Completer Program. PRE: Carpentry 1: Foundations of Building and Construction Technology.

CARPENTRY 3 and 4: CARPENTRY II/LEVEL II
857 1 Credit Grade 12
858 1 Credit Grade 12

This course is two semesters and builds on the foundation of knowledge from Foundations of Building and Construction and Carpentry I/Level I. The course of study for Carpentry II includes demonstration of student mastery of the following topics: Reading plans and elevations, site layout one-distance measurement and leveling, introduction to concrete and reinforcing materials, foundations and flatwork, concrete forms, reinforcing concrete, handling and placing concrete and manufactured forms. These are the third and fourth courses of a four-course sequence required for the Construction Trades Completer Program. PRE: Carpentry 2 – Carpentry 1 Level I. L/C, $

INTRODUCTION TO WOODWORKING
XXX 1 Credit Grade 12

This course is for seniors who want to learn how to use everyday carpentry tools and design basic woodworking products.
Students will plan a project of their choice, complete the design/planning phase, and finally create their project.

FIRE AND RESCUE

The Fire and Rescue program will be taught by certified instructors from the Maryland Fire and Rescue Institute of the University of Maryland. Both classroom and practical sessions will be conducted off school property at the Upper Eastern Shore Regional Training Center of the Maryland Fire and Rescue Institute. This program is taught off-campus in Queen Anne's County. Students must provide their own transportation to and from class. Operating as members of the Fire and Rescue service requires good health and physical condition. Individuals with physical or medical conditions, which may limit their full and active participation, may not be eligible for this

program. **NOTE:** Must be a member of a local fire department and at least 16 years old. Students must be on track for graduation with an approval from their guidance counselor.

Recommendation: ***Students are highly encouraged to complete Anatomy and Physiology before applying for this program.***
The courses required for completer status are: 8005, 8006, 8007, 8008

FIRE & RESCUE 1 – EMERGENCY MEDICAL CARE
8006 1 Credit Grade 12

Topics in this course include: the human body, infectious diseases, medical issues, vital signs, sample history, skills practice, lifting/moving patients, airways, CPR, patient assessments, various medical emergencies, trauma, pediatric emergencies, and ambulance operations. Students in this course must pass all eight modular exams with a minimum of 70%, meet the attendance requirements for the course and receive a satisfactory evaluation by the instructor. A written and practical examination for certification is administered by the Maryland Institute for Emergency Medical Services System as part of this course.

 L/C

FIRE & RESCUE 2 – FIREFIGHTER 1
8007 1 Credit Grade 12

Topics in this course include: Fire service organization/communications, fire behavior, life safety/fire prevention, portable fire extinguishers, introduction to respiratory protection, self-contained breathing apparatus, hose and streams, rope and knots, forcible entry, ventilation ladders, search and rescue, property conservation, wildland fire fighting, structural firefighting, and fire ground fire rescue operations. Students enrolled in this course must pass a mid-term and final examination with a minimum score of 70%, meet the attendance requirements for the course and receive a satisfactory evaluation by the instructor.

 L/C

FIRE & RESCUE 3 – HAZARDOUS MATERIALS, OPERATIONS RESCUE TECHNICIAN
8005 1 Credit Grade 12

In order to receive a "HazMat" Certificate, the following criteria must have been met. Students should receive a minimum score of 70% on the mid-term and final examination. The objective of this course is to provide the student with the knowledge and skills to perform hazardous materials first response. Upon successful completion of this course, the student will be able to analyze a hazardous materials incident, plan an initial response, implement the response, and evaluate the progress of the actions taken. Major topics covered in this course include firefighter safety, regulations and standards, chemistry, recognition and identification, DOT guidebook, site management, container behavior, defensive control measures, personal protective equipment and decontamination. Methods of instruction include lecture, discussion, classroom exercise and/or visual material, practical exercise, quizzes, observations, written examinations and final examination.

The objective of the Rescue Technician Site Operations & Vehicle & Machinery Rescue (RTVMR) course is to prepare the student to approach each rescue incident with attention focused on the importance of proper operational planning and all related components for effective safe site operation, victim management, equipment maintenance and inspection with particular emphasis on vehicular and machinery rescue. Upon successful completion of this course, the student will be able to recognize and implement the five phases of operational planning, understand and utilize technical rope rescue when needed, and properly package and transport a victim from a vehicular or machinery rescue. Major topics covered in this program include the five phases of successful site operations, rescue management, personal protective equipment, up-size activities, hazard identifications, search and rescue, ground support, incident management and termination, victim management, and rope rescue operations; maintenance and inspection of rope;

rigging, anchoring and mechanical advantage; patient packing and transfer during rescue operations; slope operations and evacuation; vehicular stabilization and extrication; specialty tools, hand tools, power and hydraulic tools; vehicular design; autos, busses, trucks, elevators, escalators, farm equipment, and mining/industrial equipment/machinery.

 L/C

FIRE & RESCUE 4 – RESPONSE TO TERRORISM, FIREGROUND OPERATIONS

8008 1 Credit Grade 12

The objectives of the Emergency Response to Terrorism: Basic Concepts (NERTBC) course are to provide training for first responders responding to acts of terrorism. This is an introductory course providing awareness of the growing problem and safety considerations for first responders at terrorism response. Upon successful completion of this course, the student will be able to recognize the potential dangers of the first responder to acts of terrorism; demonstrate basic understanding of circumstances that indicate an act of terrorism; define self-protective measures, define scene control principles; recommend basic tactics and response to acts of terrorism; and recognize the elements on command and control to acts of terrorism. Methods of instruction include lecture, discussion, individual group activities, scenarios, case studies, classroom exercises, audio/visual materials, and final examination.

The objective of the Engine Company Fireground Operations (ECFO) course is to provide the student with the fundamental principles of engine company operations and how they can be integrated during fireground operations. Upon successful completion of this course, the student will be able to describe the functions and responsibilities of the engine company and demonstrate the use of nozzles, hose, hydrants, foam, and testing equipment during practical evolutions. Methods of instruction include lecture, discussion, audio/visual material, practical skills exercise, final written examination, and required assignments.

The objective of the (Truck Company Fireground Operations (TCFO) course is to provide the student with the fundamental principles of truck company operations and how they are integrated during fireground operations. Upon successful completion of this course, the student will be able to demonstrate forcible entry, search and rescue, ventilation, salvage, overhaul and ladders. Major topics covered in the course are the function and responsibilities of the truck company, forced entry, ground ladder use, techniques and procedures for locating victims, techniques for removal of smoke and gases, salvage operations, checking for fire extension, procedures for overhauling, building construction, utility control, and electrical and lighting the fireground. Methods of instruction include lecture, discussion, audio/visual material, practical skills exercises, final examination and required assignments. L/C

FM BROADCASTING

This course sequence provides opportunities for students to practice broadcasting at WKHS and intern at local community radio stations. Additionally, students may develop Webmaster and digital soundtracks. A strong English and computer skill set is recommended. The courses required for completer status are: 801, 802, 803, 804

FM BROADCASTING 1: INTERACTIVE MEDIA

801 1 Credit Grade 10

This course provides students with an understanding of all aspects of the Arts, Media and Communication industry. Students examine opportunities and requirements of the major career pathways in this industry including: Communication and Broadcast Technologies, Multimedia Production, Digital Art and Print Communication. Students demonstrate corporate/business communication and technical writing and understand the ethics and security necessary in the field. Students apply principles of design and use technology in the development of

projects. The concept of mass communication, broadcast technology, and interactive media will be explained. This is the first course of a four-course sequence required for the FM Broadcasting Completer Program.

FM BROADCASTING 2: BROADCAST COMMUNICATIONS
802 1 Credit Grade 11

This course introduces students to the high school radio station 90.5 FM WKHS. Students study all aspects of the school's broadcasting curriculum including public speaking, news writing, FCC laws, current events, production, programming, and the effects of radio. Each student will be given the opportunity to conduct an "on-air" shift. This is the second course of a four-course sequence required for the FM Broadcasting Completer Program. PRE: FM Broadcasting 1: Interactive Media.

FM BROADCASTING 3: BROADCAST PRODUCTIONS
803 1 Credit Grade 12

Students perform all functions at the high school radio station, 90.5 FM WKHS. In addition, students study advanced production techniques used in the trade. This is the third course of a four-course sequence required for the FM Broadcasting Completer Program. PRE: FM Broadcasting 2: Broadcast Communications.

FM BROADCASTING 4: BROADCAST PROGRAMMING
804 1 Credit Grade 12

In addition to continuing with day-to-day operations of the radio station, students will learn programming techniques, including music scheduling, operations scheduling, promotions, dealing with record companies, reporting to trade publications, and the effects of certain materials on the listening public. The broadcasting program has an articulation agreement with Goucher College, Community College of Baltimore, Harford Community College, and Hagerstown Junior College. In addition, WKHS can provide students with opportunities to obtain internships in the field upon reaching their senior year.
This is the fourth course of a four-course sequence required for the FM Broadcasting Completer Program. PRE: FM Broadcasting 3: Broadcast Productions.

FOOD AND BEVERAGE MANAGEMENT

This completer program introduces students to the variety of careers that exist within the foodservice and hospitality industry. Students will take the nationally recognized certification exams: ServSafe and ProStart. Students will learn proper food and workplace safety and sanitation techniques along with a variety of food preparation skills. Students completing the Food and Beverage Management program will take the National ProStart Certification test. Students can begin to accrue hours to meet the 400 hour work based learning requirement. One-hundred and fifty (150) of the 400 hours can be earned through in-class clinical experience.
The courses required for completer status are: 695, 696, 697, 698

FOOD AND BEVERAGE MANAGEMENT 1: BECOMING A FOOD SERVICE PROFESSIONAL I
695 1 Credit Grade 10

This course provides an introduction to the food service and hospitality industry. Students develop and demonstrate skills in safe and sanitary food handling and preparation techniques. Students learn to prepare a variety of foods. They develop a broad understanding of the variety of career options available in the food service and hospitality industry and have the opportunity to earn the ServSafe Credential. All students enrolled must take the National Restaurant Association Education Foundation end-of course exam – SERV-SAFE Certification. This is the first course

of a four-course sequence required for the Food and Beverage Management Completer Program.

FOOD AND BEVERAGE MANAGEMENT 2: BECOMING A FOOD SERVICE PROFESSIONAL LEVEL II

696 1 Credit Semester Grade 11

Students enrolled in this course will continue to prepare a variety of foods. They will create menus and demonstrate various types of restaurant service. They will apply purchasing techniques and demonstrate an understanding of inventory monitoring and control. This is the second course of a four-course sequence required for the Food and Beverage Management Completer Program. PRE: Food and Beverage Management 1: Becoming a Food Service Professional I.

FOOD AND BEVERAGE MANAGEMENT 3 & 4: PRACTICAL EXPERIENCE AS A FOOD SERVICE PROFESSIONAL

697 1 Credit Grade 12
698 1 Credit Grade 12

This course provides students with the opportunity to further refine and apply skills that support all aspects of the hospitality industry. It will assist in preparing students for employment and advancement in the field of hospitality and food and beverage management. Students successfully completing this course will be able to: Explore job market and employment opportunities; apply the fundamentals of managing a food service establishment; explain and demonstrate the skills necessary for transition from school to a professional setting; apply the foundation knowledge of safe and sanitary food preparation and food handling techniques; apply the foundation knowledge in order to prepare a wide variety of foods; recognize the array of career options available to a food service professional; apply and understand concepts of mathematics and measurement; continuously update academic, technical and workplace skills through clinical applications; demonstrate and apply knowledge and skills acquired during in-school clinical and work-based learning experiences; and earn the National ProStart Certificate of Achievement.

These are the third and fourth course of a four-course sequence required for the Food and Beverage Management Completer Program. PRE: Food and Beverage Management 2: Becoming a Food Service Professional Level II. L/C, $

PRE- ENGINEERING (PLTW)

This completer program is a Nationally recognized program. Students have the opportunity to earn college credit in each course through the end of course assessment. A strong mathematics background is needed to be successful. This five-course program prepares students for careers in engineering related fields. Students are engaged in solving complex problems using the engineering design process. Students represent their solutions with both technology and 3D models. For more information about PLTW visit www.pltw.org. The courses required for completer status are: 881, 883, 882, 884, 885.

PRE-ENGINEERING 1: INTRODUCTION TO ENGINEERING DESIGN (IED)

881 1 Credit Grade 9-10

This course is the Project Lead the Way (PLTW) introductory course that develops student problem solving skills with emphasis placed on the development of three-dimensional solid models. Students begin the design process by developing sketches into complex geometric shapes by applying a solid modeling computer software package. Students learn problem solving design process and how it is used in industry to manufacture a product. The Computer Aided Engineering System (CAE) is also used to analyze and evaluate the product design. State of the art techniques and equipment used by engineers throughout the U.S. will be presented. PRE: Completion of or concurrent with Algebra I.

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PRE-ENGINEERING 2: PRINCIPLES OF ENGINEERING (POE)
883 1 Credit Grade 10

This course is a broad-based applied physics course designed to help students understand the field of engineering and engineering technology and its career possibilities. Students develop engineering problem solving skills that are involved in post-secondary education programs and engineering careers. Students explore various engineering systems and manufacturing processes, as well as ethical issues that engineers' address related to social and political consequences of technological change. PRE: Pre-Engineering 2: Digital Electronics (DE).

PRE-ENGINEERING 3: DIGITAL ELECTRONICS (DE)
882 1 Credit Grade 11

Digital Electronics (DE) is a course of study in applied digital logic. Students are introduced to digital circuits found in video games, watches, calculators, digital cameras, and thousands of other devices. Students study the application of digital logic and how digital devices are used to control automated equipment. The use of digital circuitry is present in virtually all aspects of our lives and its use is increasing rapidly. This is a course of study for a student exploring a career in engineering or engineering technology.
PRE: Pre-Engineering 1: Introduction to Engineering Design (IED), Pre-Engineering 2: Principles of Engineering.

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PRE-ENGINEERING 4: CIVIL ENGINEERING AND ARCHITECTURE (CEA)
884 1 Credit Grade 11 or 12

The major focus of the Civil Engineering and Architecture (CEA) course is a long-term project that involves the development of a local site. As students learn about various aspects of civil engineering and architecture, they apply what they learn to the design and development of this property. This course is intended to serve as a specialization course within the PLTW Pre-Engineering Program. The course is structured to include project planning, site planning, and building design thus enabling all students to have a variety of experiences that will provide an overview of both fields. Students work in teams, exploring hands-on projects and activities to learn the characteristics of civil engineering and architecture. PRE: Pre-Engineering 3: Principles of Engineering (POE).

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PRE-ENGINEERING 5: ENGINEERING DESIGN AND DEVELOPMENT (EDD)
885 1 Credit Grade 12

Engineering Design and Development (EDD) students design and construct the solution to an engineering problem, (original, taken from a database of problems, or a national challenge) applying the principles developed in the four preceding courses. Students maintain a journal as part of a portfolio of their work. Students are responsible for delivering progress reports and making final presentations of their project to an outside review panel. The completed portfolio is invaluable as students apply to college. Students are encouraged to enroll in a work-based learning experience as well.
PRE: Pre-Engineering 3: Digital Electronics concurrent or completion of
Pre-Engineering 4: Civil Engineering and Architecture (CEA). 

TEACHER ACADEMY OF MARYLAND

The Teacher Academy of Maryland is a CTE instruction program that aligns with the Interstate Teacher Assessment and Support Consortium (InTASC) and the Maryland Essential Dimensions of Teaching (EdoTs). The program qualifies students for further education and careers as a paraprofessional (assistant) in education or social work. The credits earned in this program are designed to articulate to a Maryland post-secondary teacher program. Upon completion of

the program and passing the ParaPro test, high school graduates are ready for employment in the teaching profession. This program is based on the outcomes of the Maryland Associate of Arts in Teaching (A.A.T.) degree, which aligns with National Council for Accreditation for Teacher Education (NCATE) standards. Students can earn articulated credit.

TEACHER ACADEMY 1 - HUMAN GROWTH AND DEVELOPMENT THROUGH ADOLESCENCE
8002 1 Credit Grade 10-11

This course focuses on human development from birth through adolescence. Emphasis is placed on theories of physical, cognitive, and psychological development, the effect of heredity and the environment, the role of caregivers and the family, health and safety concerns, and contemporary issues. Students explore special challenges to growth and development. Students will have opportunities for guided observation of children from birth through adolescence in a variety of settings to help students further understand theories of human development. Students will begin to develop the components of a working portfolio to be assembled upon completion of the internship.

TEACHER ACADEMY 2 - TEACHING AS A PROFESSION
8001 1 Credit Grade 10-11

This course focuses on the profession of teaching—its history, purposes, issues, ethics, laws and regulations, roles, and qualifications. Emphasis is placed on identifying the current, historical, philosophical and social perspectives of American education, including trends and issues. Students will explore major approaches to human learning. Students will participate in guided observations and field experiences in multiple settings to help them assess their personal interest in pursuing careers in this field and to identify effective learning environments. Students will continue to develop the components of a working portfolio to be assembled upon completion of the internship.

TEACHER ACADEMY 3 -FOUNDATIONS OF CURRICULUM AND INSTRUCTION
8003 1 Credit Grade 12

This course explores curriculum delivery models in response to the developmental needs of all children. Emphasis is placed on the development of varied instructional materials and activities to promote learning, classroom management strategies, and a supportive classroom environment. Students will explore basic theories of motivation that increase learning. Students will participate in guided observations and field experiences to analyze classroom lessons in preparation for developing and implementing their own. Students will continue to develop the components of a working portfolio to be assembled upon completion of the internship. PRE: Teacher Academy1: Human Growth and Development through Adolescence and Teacher Academy 2: Teaching as a Profession.

TEACHER ACADEMY 4 - EDUCATION ACADEMY INTERNSHIP
8004 1 Credit Grade 12

The internship is the culminating course of the Teacher Academy of Maryland Program. Students will have an opportunity to integrate content and pedagogical knowledge in an educational area of interest. They will have an opportunity to extend and apply their knowledge about teaching in a classroom setting under the supervision of a mentor teacher. The students will complete their working portfolio and present it for critique. Students will take the ParaPro test at the end of the program. PRE: Teacher Academy1: Human Growth and Development through Adolescence and Teacher Academy 2: Teaching as a Profession and Teacher Academy 3: Foundations of Curriculum and Instruction.

Work Based Learning

INTERNSHIP
997 1 Credit Grade 12

The internship program gives students with senior status opportunities to explore careers at community businesses or agencies. Under the supervision of their sponsor, they observe and participate in workday activities. Students are evaluated every two weeks by their site supervisors and earn pass/fail grades(s) as well as high school credit(s).

To continue enrollment in an internship, students must: maintain passing grades in their academic courses, provide their own transportation, obtain the employment opportunity, and remain in school for a minimum of 4 (four) hours. PRE: This employment site must be approved.

ENGLISH LANGUAGE ARTS

The English Language Arts program includes a mandatory four-course sequence of English I, II, III or AP English Language and Composition, IV or AP English Literature and Composition, supported by a series of electives that helps students expand their knowledge and application of language arts skills and explore personal interests.

AP ENGLISH LANGUAGE AND COMPOSITION

140 1 Credit Grade 11

This is a rigorous course in which students will read diverse selections representative of many prose styles and genres. Students are engaged through the reading of prose written in a variety of periods, disciplines, and rhetorical contexts. They become skilled writers who compose for a variety of purposes. Students develop an awareness of the interactions among a writer's purpose and audience's expectation. In addition, students will gain understanding of the conventions of language and how they contribute to the effectiveness of writing. Extended summer reading and writing assignments are required. The purchase of some support material is optional. Materials may be borrowed from the public library. *Students and parents are advised that required assignments may involve reading material that is sophisticated and mature in nature*. Students enrolled in an AP course must take The College Board exam at the conclusion of this course. Approximate cost of the AP Exam is $95.00 (subject to change). PRE: English II or Honors English II, MCAP Passing Score.

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AP ENGLISH LITERATURE AND COMPOSITION

150 1 Credit Grade 12

An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes. Students will analyze the use of figurative language, imagery, symbolism, and tone. In addition, extended summer reading and writing assignments are required. The purchase of some support material is optional. Materials may be borrowed from the public library. *Students and parents are advised that required assignments may involve reading material that is sophisticated and mature in nature*. Students enrolled in an AP course must take The College Board exam at the conclusion of this course. Approximate cost of the AP Exam is $95.00 (subject to change). Financial assistance is available for qualified students. Please see your counselor with questions or concerns. PRE: English III or AP English Language and Composition, MCAP or Accuplacer passing score.

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ENGLISH I

100 1 Credit Grade 9

This course offers a survey of high-level language arts skills with special emphasis on interpreting and responding to literature. Students continue to develop literacy skills including reading, writing, speaking, and listening processes. Grammar, usage, and conventions are taught as a component

of the course and within the context of authentic reading and writing experiences including personal reflection and narrative response. Summer reading and writing assignments are required. Purchase of summer reading material is optional. Materials may be borrowed from the local high school or public library.

HONORS ENGLISH I

195 1 Credit Grade 9

This course allows students to apply language art skills emphasizing high-level critical thinking and writing strategies through an accelerated and extended curriculum. The Shared Inquiry method is utilized to enrich the student's literary experiences. Grammar, usage, and conventions are taught as a component of the course and within the context of authentic reading and writing experiences. Advanced/Extended reading and writing assignments with follow-up requirements are part of this course. The purchase of some reading/support material is optional. Materials may be borrowed from the public library.

ENGLISH II

110 1 Credit Grade 10

This course offers a broad range of world literature, fiction and nonfiction, and includes high-level language arts skills with special emphasis on interpreting and responding to literature. Students continue to develop literacy skills including reading, writing, speaking, and listening processes. Grammar, usage, and conventions are taught as a component of the course and within the context of authentic reading and writing experiences. Summer reading and writing assignments are required. Purchase of summer reading material is optional. Materials may be borrowed from the local high school or public library. PRE: B average in Grade 9.
TEST

HONORS ENGLISH II

196 1 Credit Grade 10

This course offers a broad range of world literature, fiction and nonfiction, emphasizing high-level critical thinking and writing skills through an accelerated and extended curriculum. Students will read and analyze advanced/extended texts and will hold Socratic discussions of literature. Grammar, usage, and conventions are taught as a component of the course and within the context of authentic reading and writing experiences including analysis and exposition. Students and parents are advised that required assignments may involve reading material that is sophisticated and mature in nature. Additional class reading and writing assignments (both summer and during course) are included. Summer reading and writing assignments are required. The purchase of some support material is optional. Materials may be borrowed from the public library. PRE: B Average in Grade 9.
TEST

ENGLISH III

120 1 Credit Grade 11
121 1 Credit Grade 11

Students are required to complete research projects of extended length and appropriate MLA attribution." With: "Research and MLA formatting are integrated into all units." High-level language arts skills with special emphasis on interpreting and responding to literature are included. Students continue to develop literacy skills including reading, writing, speaking, and listening processes. Grammar, usage, and conventions are taught as a component of the course and within the context of authentic writing experiences including analysis and persuasion. Students are required to complete research projects of extended length and appropriate MLA attribution. Summer reading and writing assignments are required. The purchase of some support material is optional. Materials may be borrowed from the public library.
PRE: English 120- MCAP Passing Score
PRE: English 121 – MCAP Non-Passing Score

ENGLISH IV

130 1 Credit Grade 12

131 1 Credit Grade 12

This course focuses on the great works of literature with discussions and research concentrating on the influences of culture, period, and philosophy. High-level language arts skills with special emphasis on interpreting and responding to literature are included. Through the instruction of the curriculum, students continue to develop literacy skills including reading, writing, speaking, and listening processes. Grammar, usage and conventions are taught as a component of the course and within the context of authentic reading and writing experiences. Students are required to complete research projects of extended length and appropriate MLA attribution is required. Summer reading and writing assignments are required. The purchase of some support material is optional. Materials may be borrowed from the public library. PRE: Accuplacer.
PRE: English 130- MCAP Passing Score
PRE: English 131 – MCAP Non-Passing Score

JOURNALISM
153 1 Credit Grades 10-12

Journalism is a course designed for students interested in newspaper journalism and developing their skills as a writer. This course explores the contemporary media and the ethical responsibility issues adherent to the press today. Students will learn the fundamentals of news, feature, editorial and sports writing. Students will create original stories for The Priam (Kent County High School's newspaper) as well as support the schools social media presence.

READING I
179 1 Credit Grades 9-10

Research-based reading interventions provide the curriculum for this course. The course includes direct instruction and practice in reading skills emphasizing decoding strategies and word/phrase comprehension. Introduction to vocabulary, context clues, and multiple meaning words as well as paragraph comprehension are the focus for reading comprehension. PRE: Teacher Recommendation. RC

READING II
180 1 credit Grades 9-10

The course provides development of core reading skills, emphasizing vocabulary, comprehension, and critical thinking. Vocabulary skills include dictionary use, word components and etymology, context clues, and multiple meanings of words. Reading strategies are practiced with both literary and informational texts. Critical reading skills include comprehension and fluency. PRE: Teacher Recommendation. RC

YEARBOOK PRODUCTION
154 1 Credit Grade 11-12

Students in this course are responsible for the Trojan Yearbook in terms of feature writing, publication design, planning, and photography. In addition to compiling the yearbook, students will put together a business and marketing plan in order to keep the account in the "black." RC

FINE ARTS

Art

AP STUDIO ART
645 1 Credits Grade 11-12

Students choose between one of three portfolios: Drawing, 2-Dimensional Design, or 3-Dimensional Design. All students must take the AP Exam in May. Students enrolled in an AP course must take The College Board exam at the conclusion of this course. Approximate cost of the AP Exam is $95.00 (subject to change). Financial assistance is available for qualified students. Please see your counselor with questions or concerns. PRE: Intro to Art, Painting/Drawing.
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INTRODUCTION TO ART
600 1 Credit Grades 9-12

Students examine and practice the basic techniques of drawing, painting, ceramics, sculpture, and mixed media. Students also study selected artists and periods of history. The Elements of Art and the Principles of Design are emphasized through the study and creation of artwork. This course is a prerequisite for all other art courses.

DIGITAL ART
642 1 Credit Grades 10-12

This advanced visual art course introduces students to various graphic and design techniques. Students employ computer design applications such as Photoshop in the creation of their artwork. Students also learn how to use digital cameras and Adobe Photoshop collaboratively. PRE: Introduction to Art.

PAINTING/DRAWING
610 1 Credit Grades 10-12

This advanced visual art course emphasizes a comprehensive approach to drawing and painting in a variety of techniques and materials to produce expressive, quality works of art. A historical perspective of painting and artists in both Western and non-Western cultures is included. An emphasis is placed on the Principles of Design and Elements of Art as they relate to composition, application of art materials, and creativity. PRE: Introduction to Art.

PRINTMAKING
630 1 Credit Grades 10-12

This is an advanced art course that utilizes previously learned skills in Introduction to Art for the creation of multiple images. The printmaking methods of relief, intaglio, and screen-print will be examined through the study of various Western and non-Western artists and time periods. In-depth studies of drawing techniques will be included. PRE: Introduction to Art.

SCULPTURE/POTTERY
620 1 Credit Grades 10-12

This is an advanced art course that examines a variety of techniques and materials for the construction of functional and non-functional three-dimensional forms. Clay, wood, plaster, papier-mâché, and other non-traditional materials may be explored. Historical and cultural study will be included. PRE: Introduction to Art.

Performing Arts

BAND
683 1 Credit Grades 9-12

Students explore various performance techniques using contemporary band literature. Topics include show and drill design and the use of choreography to enhance music performance. The band performs at various programs throughout the year and attendance is required. All students who have had instrumental instruction in the middle school are encouraged to continue their study of music in this class. RC

CHORUS
660 1 Credit Grades 9-12

This course is designed for all students who may have a background in singing or have a strong interest in vocal music and a desire to enhance their vocal training. Proper vocal techniques will be addressed to enhance the ability of each singer. Students participate in a variety of choral activities with an emphasis on the development of large and small performing groups. RC

DANCE
659 1 Credit Grades 9-12

This fine arts course introduces students to a variety of dance techniques and the fundamentals of movement. Students study beginning ballet, modern and jazz dance as well as dance history, physiology, choreography and critique. Students are required to participate in public performances

and must be prepared to purchase or provide proper shoes and dance attire. RC

DRAMA I
152 1 Credit Grades 9-12

This course emphasizes all aspects of theatre as an examination of the human experience. Students learn the history and development of drama and explore the creative process through theatrical activities such as improvisations, preparation and presentations of scenes. Students demonstrate the ability to critique performances of plays and scenes. Units on voice and body control, mime, improvisation, script writing, set design, costume design, dramatic reading, and dramatic production included.

DRAMA II
157 1 Credit Grades 10-12

This course introduces students to the technical aspects of theatre. The students gain knowledge of the design and technical elements of sets, lighting, sound, costumes and make-up, and apply them to production situations. Students demonstrate the ability to recognize and describe the development of a variety of dramatic forms and the aesthetic qualities they reflect. In addition, students demonstrate an understanding of the history, traditions, and conventions of theatre dramatic texts and other literature of the theatre, and ways that diverse theories and forms of theatre satisfy cultural needs past and present. PRE: Drama and Communications I. RC

JAZZ BAND
680 1 Credit Grades 10-12

Students explore various performing techniques using contemporary jazz literature. The class focuses on improving improvisational skills, and sight-reading techniques through ensemble performances. The band performs at various programs throughout the semester and attendance is required. All students who have had instrumental instruction in middle school are encouraged to continue their study of music in this class. RC

MATHEMATICS

All students must earn at least four mathematics credits, one credit per year, during grades 9-12. Two credits must meet Maryland COMAR Regulations in Algebra 1 and Geometry.

The National Collegiate Athletic Association (NCAA) and some post-secondary institutions do not accept high school credits earned while in a middle school.

In order to meet NCAA admissions requirements and/or be eligible to participate in college athletics, students must earn three (3) mathematics credits through Algebra II during grades 9-12. The NCAA determines the courses for which credit is awarded.

PRINCIPLES OF ALGEBRA

425 1 Credit Grade 9
This year- long course is designed for incoming ninth grade students who need additional instruction prior to taking Algebra 1. Calculators and computers are used in problem solving situations and in the development of number sense, Algebra, Geometry, measurement, probability, and statistics concepts and skills. Note: This is not approved for NCAA eligibility PRE: Teacher Recommendation.

ALGEBRA I
445 1 Credit Grade 9

The course consists of study and application of the principles of Algebra, statistics, and data analysis, as defined by the Maryland Common Core Mathematics Standards. Students investigate, interpret, and communicate solutions to mathematical and real-world problems, using patterns, functions, and algebraic reasoning. Students also apply probability and statistical methods for representing and interpreting data and communicating results using technology where appropriate.

ALGEBRA II

440 1 Credit Grade 10, 11
441 1 Credit Grade 12

In this course, students develop their thinking, problem solving, and reasoning skills through the application of algebraic concepts. Course topics include functions, graphing, polynomial operations, rational expressions, radicals, complex numbers, solving quadratic equations, and laws of exponents. This course is based on the Common Core Mathematics Standards. PRE: Algebra I, Geometry, MCAP passing score.

ADVANCED TOPICS IN ALGEBRA II
442 1 credit Grade 12

This course is designed to further student understanding of content initially presented in Algebra II. Topics include linear, quadratic, radical, exponential, and logarithmic functions as well as applications of algebraic functions. This course was developed collaboratively to prepare students for entry into a college level, credit bearing mathematics course. PRE: Algebra II, Algebra II MCAP Non passing score or remedial Accuplacer.

AP CALCULUS AB
470 1 Credit Grade 11-12

This course provides college level instruction and prepares students to take the AP Calculus exam. Students are required to take the AP Exam in May. The course introduces students to the fundamentals and applications of both differential and integral calculus. The course requires an array of analytical, reasoning, and problem-solving skills, which will continue to be embellished and enhanced. Topics include limits, derivatives and their applications, integration techniques and applications, and transcendental functions. Students enrolled in an AP course must take The College Board exam at the conclusion of this course. If a student does not take the AP exam, the AP title will be removed from the course on the final transcript. Approximate cost of the AP Exam is $95.00 (subject to change). Financial assistance is available for qualified students. Please see your counselor with questions or concerns.
PRE: Pre-Calculus, Trigonometry or Calculus.

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CALCULUS
463 1 Credit Grades 11-12

Calculus is designed to provide students with initial preparation for the Advanced Placement Calculus AB course or a Calculus course in college. Topics include functions, limits and their properties, differentiation, and application of differentiation. PRE: Pre-Calculus.

AP COMPUTER SCIENCE A
776 1 Credit Grades 11-12

The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. Approximate cost of the AP Exam is $95.00 (subject to change). Financial assistance is available for qualified students. Please see your counselor with questions or concerns.
PRE: Algebra II. Can be used as a 5th math credit for a senior. Otherwise, this is an elective credit.

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AP COMPUTER SCIENCE PRINCIPLES
775 1 Credit Grades 11-12

The AP Computer Science course introduces students to computer science with fundamental topics that include problem solving, design strategies, and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing.

The course emphasizes both object-oriented and imperative problem solving and design. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. Approximate cost of the AP Exam is $95.00 (subject to change). Financial assistance is available for qualified students. Please see your counselor with questions or concerns.
PRE: Algebra II. Can be used as a 5th math credit for a senior. Otherwise, this is an elective credit.

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GEOMETRY

450 1 Credit Grades 9-10
Passing MCAP Algebra 1 Score
451 1 Credit Grades 11-12
Non-Passing MCAP Score

In this course, students investigate topics in two and three-dimensional Euclidean Geometry. Proofs and geometric applications are examined in detail to reinforce and enhance the reasoning abilities and thinking skills of the students. Students solve mathematical and real-world problems and justify solutions, using measurement and geometric models. Topics, as defined by the Common Core Mathematics Standards for Geometry, include similar and congruent polygons, the Pythagorean Theorem, circles, trigonometry, area, perimeter, volume, coordinate geometry, solid geometry, and transformations.
PRE: Grade 9-10 Passing MCAP Algebra 1 Score. Grade 11-12 : Algebra 1.

STEM GEOMETRY

465 1 Credit Grade 9

This course is for students who are enrolled in the STEM program and have completed STEM Algebra I. This is a rigorous class, which incorporates topics in a hands-on, real-world discovery approach. The STEM Geometry course exposes students to the ideas and applications of mathematical modeling and geometric proof to enhance students' problem solving and reasoning skills. Topics, as defined by the Common Core State Standards for Geometry, include trigonometry, transformations, volume, and right triangle trigonometry.
PRE: STEM Algebra 1, Passing MCAP Algebra 1 Score.

INTERMEDIATE ALGEBRA

433 1 Credit Grades 10-11

The major emphasis in this course will be on the study of system of linear equations and inequalities as well as quadratic, exponential and absolute value function families. Students will perform operations with polynomials and radicals and will solve quadratic, rational and radical equations. This course is based on the Common Core Mathematics Standards. Note: This course is not approved for NCAA eligibility.
PRE: Algebra 1, Non-passing MCAP Algebra 1 score.

PRE-CALCULUS

460 1 Credit Grades 11-12
This course will explore in-depth the topics required for a successful transition to Calculus. Critical thinking is developed through a strong emphasis of theory, graphing, applications, and creative problem solving. Topics include the treatment of real and complex number systems, advanced methods in problem-solving and graphical analysis, polynomials, exponential trigonometric, and logarithmic functions and limits. The graphing calculator is recommended to enhance the understanding of the mathematical concepts being studied.
PRE: Algebra II.

STEM ALGEBRA II

439 1 Credit Grade 10

This course is for students who are enrolled in the STEM program and have completed Algebra I. This is a rigorous course, which incorporates topics in a hands-on, real-world discovery approach. The Algebra II STEM course exposes students to the ideas and applications of mathematical modeling, completes acquisition of basic skills in algebraic manipulation, and their

graphs are studied. Students work with equations and inequalities, radical and absolute expressions, linear relations and functions, systems of equations and inequalities, coordinate geometry, matrix algebra, sequences and series, quadratic functions, polynomial functions, rational expressions, and conic sections. Students in the STEM course undertake advanced study in functions. Applications are more complex, and the material is explored in greater depth. Thorough mastery and understanding of techniques and concepts, as well as greater facility in using symbolic language, is expected. The use of a graphing calculator will be an integral part of the course. PRE: STEM Algebra I.

STEM PRE-CALCULUS
464 1 Credit Grade 11

This course is for students who have completed STEM Algebra II. This is a rigorous course that will explore in-depth topics required for a successful transition to Calculus. Critical thinking is developed through a strong emphasis of theory, graphing, applications, and creative problem solving. Topics include the treatment of real and complex number systems, advanced methods in problem-solving and graphical analysis, polynomials, exponential, and logarithmic functions and limits. The graphing calculator is recommended to enhance the understanding of the mathematical concepts being studied. PRE: STEM Algebra II.

PHYSICAL EDUCATION and HEALTH EDUCATION

PHYSICAL EDUCATION
901 1 Credit Grade 9

The physical education component is designed to provide students with a selection of appropriate individual and team activities. Primary emphasis is placed on skill development and physical fitness.

HEALTH EDUCATION
902 1 Credit Grade 9

The health education course will include an in-depth discussion and study concerning current health problems. The course content will include nutrition, family life, drug, and alcohol abuse, first aid, CPR, and communicable and other diseases.

CONDITIONING I
920 1 Credit Grades 10-12

This course offers weight training with a major emphasis on aerobic exercise, which includes jogging, running, dance, air bike training, and various other activities. The anatomy and kinesiology of exercise will be studied. During the course students will measure various improvements in strength, speed, cardiovascular fitness, and body composition. PRE: PE/Health.

CONDITIONING II
929 1 Credit Grades 11-12

This course includes a classroom component that covers current theories of fitness and wellness. Maintaining a healthy diet and weight are examined. Students apply the information learned through regular implementation of a personal fitness plan. Students have access to the weight room for aerobic, flexibility, and muscle strengthening activities.
PRE: Conditioning I. RC

LIFETIME/TEAM/WELLNESS
910 1 Credit Grades 10-12

Students participate in aerobic activities and lifetime sports. Each student will assess his/her level of fitness and chart improvement throughout the course. The importance of a high level of wellness and how it will improve performance in lifetime activities is stressed. The activities are seasonal in nature and include archery, golf, jogging, ping-pong, tennis, and volleyball.

Students learn the rules, organization, and related skills for a variety of sports such as soccer, football, basketball, volleyball, softball, and baseball. PRE: PE/Health. RC

SCIENCE

AGRICULTURE SCIENCE: NATURAL RESOURCES AND ECOLOGY (ELECTIVE)

897 1 credit Grade 11-12

The CASE Natural Resources and Ecology course is intended to serve as a foundation course within the CASE sequence. The course is structured to enable all students to have a variety of experiences that will provide an overview of the field of natural resources and ecology. Students will work to explore hands-on projects and activities while focusing on the characteristics of natural resources and ecology by working on major projects and problems similar to those that biologists, ecologists, natural conservationists as well as other specialists face in their respective careers Study of the natural world including biomes, land, air, water, energy, use and care as well as a focus on issues surrounding man's interaction with the Earth will be covered. This course serves as an elective science credit.

AP BIOLOGY

328 1 Credit Grades 11-12

The AP Biology course aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and an appreciation of science as a process. The primary emphasis of the course is on developing an understanding of concepts rather than on memorizing terms and technical details. Essential to this conceptual understanding are the following: a grasp of science as a process rather than as an accumulation of facts; personal experience in scientific inquiry; recognition of unifying themes that integrate the major topics of biology; and application of biological knowledge and critical thinking to environmental and social concerns. Note: Animals may be dissected in this course. Alternatives to dissection are available. Students enrolled in an AP course must take The College Board exam at the conclusion of this course. Approximate cost of the AP Exam is $95.00 (subject to change). Financial assistance is available for qualified students. Please see your counselor with questions or concerns.

PRE: Biology.  $

AP CHEMISTRY

3003 1 Credit Grade 11-12

The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: Atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Approximate cost of the AP Exam is $95.00 (subject to change). Financial assistance is available for qualified students. Please see your counselor with questions or concerns.

PRE: Chemistry, and Algebra 2.  $

AP ENVIRONMENTAL SCIENCE

3003 1 Credit Grade 11-12

This course stresses environmental science principles and analysis. It is oriented toward laboratory investigations field studies, and student research projects with extensive reading and writing outside of class. Students enrolled in an AP course must take The College Board exam at the conclusion of this course. Approximate cost of the AP Exam is $95.00 (subject to change). Financial assistance is available for qualified students. Please see your counselor with questions or concerns.

PRE: Biology, Chemistry.  $

ASTRONOMY

327 1 Credit Grades 11-12

This course includes detailed study of the composition and movements of celestial bodies. Constellation identification makes up this course. Visual understanding and interpretation of stellar objects is also emphasized. The realistic environment of the planetarium helps to reinforce the concepts taught. REC: Geometry.

BIOLOGY
310 1 Credit Grades 9

Biology is a required course for graduation. Topics include cell biology, taxonomy, classical and molecular genetics, eco-systems, and biomolecules. Laboratory work is an integral part of this course.

CHEMISTRY
321 1 Credit Grades 10-12

This course covers the following topics: chemical nomenclature, atomic structure, molecular theory, thermodynamics, chemical calculations, families of elements, solutions, acid and base theory, and impact of chemistry on society. An emphasis is placed on laboratory investigations. PRE: Completion of or concurrent with Algebra 2.

ENVIRONMENTAL EARTH SCIENCE
3004 1 Credit Grade 10 - 12

This course incorporates aspects of earth science, physical science, biology, and chemistry as well as their significance to the environment. A strong emphasis is placed on the role of human beings in our environment and what they can do to preserve and protect it. Topics include a study of the principles of ecology, population growth, feeding the world, the wise use of our natural resources, pollution, toxic wastes, and maintaining and protecting our environment. Hands-on activities will be an integral part of this course along with other skill activities including, but not limited to, cooperative learning projects, research projects, and lab reports.

PHYSICAL SCIENCE
305 1 Credit Grades 10-12

This course is designed to expose students to the everyday application of physics and chemistry principles. Topics deal with matter and its interactions, motion, stability, energy, and waves. This is a hands-on, lab-oriented, course that investigates the application of physics and chemistry in technologies for information transfer.

FORENSIC SCIENCE
334 1 Credit Grades 11-12

This course offers students a chance to gain and apply knowledge from the areas of biology, chemistry, earth science, archaeology, anthropology, law, medicine, professional/technical writing. This course will evaluate students using a series of inquiry labs, discussion of case studies, field trips and guest speakers, internet research and practical lab exams that will allow students to strengthen skills in observation, interpretation, reasoning, and formal presentation. PRE: Biology and Chemistry, or concurrent enrollment.

HUMAN ANATOMY AND PHYSIOLOGY
330 1 Credit Grades 11-12

This course builds on the foundations of Biology and is designed to help students understand the anatomic and physiological basis of life. The course covers cytology, histology and the human body systems. Students will engage in laboratory experiences that involve dissections, models, and technological resources to understand the interdependence of structure and function in biological systems. Note: Animals may be dissected in this course. Alternatives to dissection are available. PRE: Biology, Concurrent or enrollment completion.

HONORS PHYSICS
325 1 Credit Grades 12

Students are provided with a balance of conceptual development and quantitative application covering mechanics, properties of matter, waves, electricity, magnetism, and atomic theory as it relates to the real world. Focused lab activities and problem-solving situations are an

integral part of this course. PRE: Completion of Pre-Calculus.

STEM BIOLOGY

309 1 Credit Grade 9

STEM Biology is intended for students enrolled in the STEM program of study. This course is designed to provide the rigor of a Pre-AP course, which requires a high level of technical reading. Biology is a required course for graduation. Topics include cell biology, taxonomy, classical and molecular genetics, eco-systems, and biomolecules. Laboratory work is an integral part of this course. Note: Animals may be dissected in this course. Alternatives to dissection are available.

STEM CHEMISTRY

318 1 Credit Grade 10

STEM Chemistry is intended for students enrolled in the STEM program of study. This course is designed to provide the rigor of a Pre-AP course that requires a high level of technical reading. Major topics include: Chemical nomenclature, atomic structure, molecular theory, thermodynamics, chemical calculations, families of elements, solutions, acid and base theory, and impact of chemistry on society. An emphasis is placed on laboratory investigations. PRE: Completion of or concurrent enrollment in Algebra II. 

STEM PHYSICS

317 1 Credit Grade 12

This is a rigorous course. Students are provided with a balance of conceptual development and quantitative application covering mechanics, properties of matter, waves, electricity, magnetism, and atomic theory as it relates to the real world. Focused lab activities and problem-solving situations are an integral part of this course. PRE: Completion of Pre-Calculus.

SOCIAL STUDIES

ANCIENT AND MEDIEVAL HISTORY

231 1 Credit Grade 11-12

This course explores world history from the beginning of mankind through the late Medieval and Renaissance period. The early civilizations of Egypt, Mesopotamia, India, and China are studied with an emphasis placed on the Greek and Roman periods. The influence of these classical societies on the thoughts and institutions of modern man are explored. A detailed investigation into the period of the Middle Ages, with a look at barbarian tribes, the Black Death, the Crusades, and the Hundred Years War, as well as the rise of nation-states, knights and chivalry, is followed by man's transition into the Renaissance and the beginning of the modern age.

AP PSYCHOLOGY

235 1 Credit Grade 11-12

The purpose of the AP course in Psychology is to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. Students enrolled in an AP course must take The College Board exam at the conclusion of this course. Approximate cost of the AP Exam is $95.00. Financial assistance is available for qualified students. Please see your counselor with questions or concerns.

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AP U.S. HISTORY

230 1 Credit Grade 11-12

The AP program in United States history is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical

materials- their relevance to a given interpretive problem, their reliability, and their importance- and to weigh the evidence and interpretations presented in historical scholarship. An AP United States History course should develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in an essay format. Students enrolled in an AP course must take the College Board exam at the conclusion of this course. Approximate cost of the AP Exam is $95.00 (subject to change). Financial assistance is available for qualified students. Please see your counselor with questions or concerns.

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AP WORLD HISTORY: MODERN

213 1 Credit Grade 11-12

In this course students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. AP World History: Modern is designed to be the equivalent of an introductory college or university survey of modern world history. Students should be able to read a college-level textbook and write grammatically correct, complete sentences. Students enrolled in an AP course must take The College Board exam at the conclusion of this course. Approximate cost of the AP Exam is $95.00 (subject to change). Financial assistance is available for qualified students. Please see your counselor with questions or concerns.

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FOUNDATIONS OF BUSINESS

709 1 Credit Grades 10-12

Foundations of Business provides students with the necessary knowledge to demonstrate and apply various theories of business. Students learn about the four types of businesses and their impact on the economy and international markets, and will understand various laws, theories, and principles of business. Students learn about management and leadership styles, and will learn workplace readiness skills, including teamwork, problem solving, and oral and written communication skills. The value of practicing effective time management and setting priorities will also be emphasized.

PERSONAL FINANCE

708 1 Credit Grades 10-12

This course improves student understanding of financial products, services, and concepts. It empowers students to make informed choices, avoid financial pitfalls, and know where to go for assistance to improve their long-term financial wellbeing. Students learn ways to maximize their earning potential, develop strategies for managing their resources, explore skills for the wise use of credit, and gain knowledge about different ways of investing and managing money. The course will stress the importance of saving for retirement. In addition, students will learn about risk management and laws that protect them as consumers.

GOVERNMENT

200 1 Credit Grade 10

This course provides students with the understanding necessary for active citizenship in a participatory democracy. Students are introduced to the historical foundations of the United States government, its institutions, functions, responsibilities, and impact on citizens. Students also understand the role and responsibilities of citizenship toward ensuring the continuation of the American way of life. In addition, students are introduced to the concept of world

interdependence and the influence of our nation in world affairs. This course prepares student for success on the Maryland Assessment test. HSA

HONORS GOVERNMENT
202 1 Credit Grade 10

This course includes all the skills and understandings included in government; however, students are expected to work with a higher degree of independence. Assignments and projects require students to conduct research outside of the classroom. Supplemental readings are also required. The purchase of supplemental materials is optional. Class reading and writing assignments with follow-up requirements are expected. All students must complete a written research project. This course prepares student for success on the Maryland Assessment test. HSA

 PRE: B Average in US History

HONORS U.S. HISTORY
223 1 Credit Grade 9

U.S. History offers a concentrated study of our nation's history from the Gilded Age to present day. Students gain an understanding of the political, cultural, social, economic, and diplomatic history of our nation. The culminating grade for this course will be comprised of a culminating project and final exam. PRE: B average in Grade 8 Social Studies.

PSYCHOLOGY
233 1 Credit Grades 10-12

This course presents a balanced approach to psychology as a science and as a life adjustment tool. The major topics covered are learning, personality, memory, heredity and environment, biological foundations of behavior, psychological disorders, consciousness, social behavior, sensation, and perception.

U.S. HISTORY
220 1 Credit Grade 9

This course offers a concentrated study of our nation's history from the Gilded Age to present day. Students gain an understanding of political, cultural, social, economic, and diplomatic history of our nation. The final grade for this course will be comprised of a culminating project and final exam.

WORLD HISTORY
210 1 Credit Grade 11
World History is designed to explore the creation and growth of civilization and culture in both western and eastern societies from the end of the Middle Ages to the present day. The focus of the course is on how events shape politics, culture, and the economy. Students will further develop their thinking, reading, and writing skills as they analyze the events that have shaped the world in which we live.

TECHNOLOGY EDUCATION

FOUNDATIONS OF TECHNOLOGY
874 1 Credit Grade 9-10

This is required course for graduation. Students develop the characteristics of technologically literate citizens. The course employs teaching/learning strategies that enable students to build their own understanding of ideas. It is designed to engage students in exploring and deepening their understanding of big ideas regarding technology and makes use of a variety of assessment instruments to reveal the extent of understanding.

CADD TECHNOLOGY I
875 1 Credit Grades 10-12

Design and CADD Technology I teaches students to apply CADD skills to architecture and/or engineering. Students work on individual and group projects. The course does not require

previous knowledge of drafting or computers. PRE: Foundations of Technology Education.

CADD TECHNOLOGY II
876 1 Credit Grades 10-12

Design and CADD Technology II will work with more complex CADD skills and requires students to apply them to solving difficult problems. Students will solve problems, both individuals and in group settings. Students use advanced CADD skills in wire frame and solid modeling. PRE: CADD Technology 1.

PRE-INTRODUCTION TO ENGINEERING DESIGN (IED)
881 1 Credit Grades 9-10

This course develops student problem solving skills, with emphasis placed on the development of three-dimensional solid models. Students sketch simple geometric shapes and use a solid modeling computer software package to design various items. They will learn a problem-solving design process and how it is used in industry to manufacture a product. The Computer Aided Engineering System (CAD) is used to analyze and evaluate the product design. State of the art techniques and equipment used by engineers throughout the U.S. will be presented. PRE: Completion of or concurrent with Algebra I.

WORLD LANGUAGE

AP SPANISH LANGUAGE
570 1 credit Grades 11-12

AP Spanish Language and Culture is equivalent to an intermediate level college course in Spanish. Students cultivate their understanding of Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges. Students enrolled in an AP course must take The College Board exam at the conclusion of this course. Approximate cost of the AP Exam is $95.00 (subject to change). Financial assistance is available for qualified students. Please see your counselor with questions or concerns. PRE: Spanish IV.

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SPANISH I
540 1 Credit Grades 9

This course is open to all students who wish to begin the Spanish sequence. Spanish at this level emphasizes basic listening, speaking, reading, and writing skills that are developed through intensive practice. Basic grammar includes present tense of regular and irregular verbs, adjectives, articles, pronouns. In addition, reality-based readings and activities are included in order to enhance the learning of the products, practices, and perspectives of Spanish-speaking countries.

SPANISH II
550 1 Credit Grades 9-11

Spanish at the intermediate level stresses listening, speaking, reading, and writing skills. Study of grammar continues with past tense verb forms, informal commands, and object pronouns. As with Spanish I, reality-based readings and activities are also included in order to enhance the learning of the products, practices, and perspectives of Spanish-speaking countries. PRE: Spanish I.

SPANISH III
560 1 Credit Grades 10-12

Spanish at this level places more emphasis on reading and writing skills, as well as conversational skills. Included in the grammatical study are the use of reflexive verbs, the present progressive tense, and the comparisons of the preterit and imperfect tenses,. Classes are largely conducted in Spanish and emphasis is placed upon Hispanic culture. PRE: Spanish II.

SPANISH IV

565 1 Credit Grades 11-12

This course is a natural extension and compilation of the first three years of Spanish. In this course all of the grammatical syntax, vocabulary, comprehension of oral and written Spanish and ability to converse in Spanish learned in the first three years of Spanish will be integrated and enhanced. The class will be conducted in Spanish. English clarification will be used sparingly. Students will be expected to understand, write, and converse in Spanish. A review and understanding of grammar will be presented through more sophisticated literature and poetry selections. Students are expected to have an elevated grasp of the more complicated grammatical structures presented in the reading selections.

Glossary of Terms

Advanced Placement (AP) Course – Courses established by the College Board that are taught at the level of a college course. Students enrolled in an AP course must take The College Board exam at the conclusion of this course. Approximate cost of the AP Exam is $95.00 (subject to change). Financial assistance is available for qualified students. Please see your counselor with questions or concerns.

Career and Technology Completer Program – A Career and Technology Education (CTE) is a program of study focusing on a specific career field. These programs have been approved by the Maryland State Department of Education and have additional graduation requirements. Kent County High School offers ten Career and Technology Completer Programs. They are listed in the Program of Study and the KCPS website.

Dual Completer - A student who graduates having met the University of Maryland admissions requirements and a Career and Technology Education completer program.

Dual Enrollment – A program that allows eligible students to earn college credit while still attending high school. Dual Enrollment classes receive high school and college credit. Students attending Chesapeake College must be 16 years old and have a cumulative unweighted GPA of 2.5. Students attending Washington College's More Able Program must be seniors and have a cumulative unweighted GPA of 3.5. Students should take one course each semester.

Elective – An elective credits is typically course that fall outside the required academic subject areas. Because students need at least 23 credits to graduate, all students will need electives of their choice to meet this requirement. Any course that is not a graduation requirement is considered an elective.

Grade Point Average (GPA) - The numerical value assigned to a student's scholastic average, computed by dividing the total quality points by the total credit hours attempted.

Honors Program - The Honors Program is designed for students who are self-initiating and highly motivated. It builds upon the successes of earlier experiences and stimulates bright and creative minds to explore their potential. These courses move at a faster pace in order to meet the needs of students whose goals are to go beyond the MD State Core Learning Goals of the discipline through supplemental readings, writings, and activities that develop deeper understanding and application.

Program of Study – This is a resource to be used by parents, students, and staff most commonly during the scheduling process. The Program of Study contains a summary of the graduation requirements for students, an overview of most commonly used county procedures, and brief descriptions of all courses taught at Kent County High School.

Work Based Learning Internship - The purpose of the internship is to allow students to enrich student knowledge of industry beyond the classroom. Students will be given the chance to experience real life business situations. This experience can be invaluable to the student, employer, and the community. This course must be approved by appropriate staff at Kent County High School, receive a grade of
pass or fail and is not included in the GPA.

"Growing a Community of Leaders"
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