CENTREVILLE JR./SR. HIGH SCHOOL CURRICULUM GUIDE

269-467-5201 | Matthew Henninsen, Principal
269-467-5200 | Valerie Roe, Guidance Counselor
269-467-5200 | Kim Spencer, Attendance Secretary

www.cpschools.org

Updated October 2026

Welcome to Centreville Jr./Sr. High School!

We are proud to offer our students a variety of course options and programming detailed in the following pages. Over the last three years we have worked to create new elective offerings in our five academic departments. While creating new electives, our teachers and staff have refreshed course descriptions in the areas of English Language Arts, Science, Math, Social Studies and Fine Arts and Recreation. Also included in the following pages is a look at various CTE offerings along with details on Dual Enrollment.

Our goal is to provide students with the most updated curriculum for state-required courses, and provide choice in elective offerings. At Centreville Jr./Sr. High School, the educational opportunities for students are a top priority. The classes and programming we provide, along with our highly effective teachers and staff, are second to none. Our goal is ongoing as we work to ensure we meet the academic needs and offerings for all students.

We are excited to be part of your educational journey and look forward to being part of your academic growth. On behalf of our teachers and staff, welcome to Centreville Jr./Sr. High School . . . Bulldog PRIDE!

Sincerely,

Matthew Henningsen
Principal, Centreville Jr./Sr. High School

Contents

Vision Statement 7

Mission Statement 7

Administrative and Board of Education Committee Members 7

Guidance Office 8

Michigan State Board of Education Graduation Requirements 8

Michigan Merit Curriculum 9

Online Elective Classes 11

Senior Portfolio Presentations 12

Academic Graduation Requirements 12

Testing Out 12

NCAA Eligibility Requirements 13

Career & Technical Education (CTE) Programs 13

- High School Graduation Credits 14
- College Dual Enrollment Opportunities 14
- Course Offerings 14
  - AGRISCIENCE – V908, V910 14
  - ARCHITECTURE – V998, V990 15
  - AUTOMOTIVE TECHNOLOGIES – V904, V906 15
  - AVIATION – V980, V982 16
  - COMPUTER SCIENCE AND TECHNOLOGY – V972, V974 17
  - CONSTRUCTION TRADES: RESIDENTIAL BUILDING – V916, V918 18
  - COSMETOLOGY – V984, V986 18
  - CULINARY ARTS – V976, V978 19
  - ENGINEERING DESIGN TECHNOLOGIES – V968, V970 19
  - GRAPHIC DESIGN – V929, V931 20
  - HEALTH SCIENCE I – V952 20
  - HEALTH SCIENCE II – V954 21
  - HVAC, ELECTRICAL, AND PLUMBING– V960, V962 22
  - MANUFACTURING – V943, V945 23

MARKETING – V933, V935 23
PUBLIC SAFETY – V964, V966 24
TEACHER ACADEMY – V956, V958 25
WELDING – V937, V939 26
Department and Individual Course Descriptions 26
Fine and Performing Arts 27
ART I – L499 27
ADVANCED ART - L509 27
BAND – J613 27
CERAMICS – L529 28
CHOIR – J616 28
ART IN PUBLIC SPACES – L528 28
MUSIC APPRECIATION – J222 29
Enrichment 29
ENRICHMENT 29
Foreign Language 30
SPANISH I – F713 30
Spanish II – F723 30
English Language Arts 31
ENGLISH 7 – ENG7 31
ENGLISH 8 – ENG8 31
ENGLISH I – B113 31
ENGLISH II – B123 32
ENGLISH III – B133 32
ENGLISH IV – B143 32
LITERATURE THROUGH FILM – B187 33
WRITING FOR BROADCASTING – B142 33
LANGUAGE ARTS STRATEGIES – X880 34
YEARBOOK – B140 34
Leadership 34

STUDENT LEADERSHIP – X860 34
Mathematics 35
MATH 7 – MAT7 35
MATH 8 – MAT8 35
ALGEBRA I – E314 35
GEOMETRY – E327 36
ALGEBRA II – E315 36
PRECALCULUS – E316 36
PERSONAL FINANCE – E559 37
PROBABILITY and STATISTICS – E435 37
Physical and Health Education 37
PHYSICAL EDUCATION – M113 37
ADV. PHYSICAL EDUCATION – M119 38
POWER TRAINING – M176 38
HEALTH – M113 38
FIT FOR LIFE – M177 39
FUNDAMENTALS OF FALL SPORTS – M120 39
FUNDAMENTALS OF SPRING SPORTS – M123 39
Science 40
7th GRADE SCIENCE – SCI7 40
8th GRADE SCIENCE – SCI8 40
8th GRADE SCIENCE EXPLORATORY - XSC8 40
PHYSICAL SCIENCE – D413 41
BIOLOGY - D423 41
CHEMISTRY – D437 41
PHYSICS – D447 42
ASTRONOMY – D419 42
ECOLOGY – D425 42
INTRO. TO AGRISCIENCE AND NATURAL RESOURCES – H913 43
FORENSICS – D456 43

Social Studies 44
7th GRADE HISTORY – HST7 WORLD CIVILIZATION 44
8th GRADE HISTORY – HIS8 US HISTORY UP TO 1877 44
US HISTORY/GEOGRAPHY – C216 44
WORLD HISTORY/GEOGRAPHY – C215 45
AMERICAN GOVERNMENT/ECONOMICS – C233 45
US MILITARY HISTORY – C254 45
CONTEMPORARY GLOBAL ISSUES – C253 46
MICROECONOMICS – C220 46
LOCAL HISTORY – C236 46
PSYCHOLOGY – C232 47
SOCIOLOGY – C231 47
MATERIAL CULTURE STUDIES – C248 47
Dual Enrollment and Early Middle College Considerations 48
Additional Dual Enrollment Information 48
Career Technical Information 49
Early Middle College (EMC) Program 50
Overview 50
Program Design 50
Enrollment Process: 50
Additional Early Middle College Information 51
Summary of Course Offerings 52

Vision Statement

WE BELIEVE . . .
Education is a cooperative, committed relationship involving students, school personnel, parents, and the community.

WE BELIEVE . . .
The school environment should be safe, nurturing, and supportive. It will foster trust and respect.

WE BELIEVE . . .
High School personnel will model and encourage fairness and caring.

WE BELIEVE . . .
Centreville Jr./Sr. High School students will discover and develop talents that will empower them to become lifelong learners who are responsible, ethical, and independent citizens.

WE BELIEVE . . .
The High School will provide a broad range of educational experiences that:

- are technology-rich
- are innovative and research-based
- promote high levels of student learning
- result in acquisition and application of a diverse body of knowledge and skills

Mission Statement

The Mission of Centreville Junior/Senior High School is to educate all students to meet high academic standards and to prepare them to become productive citizens in a changing global environment.

Administrative and Board of Education Committee Members

Chad Brady, Superintendent
Matthew Henningsen, Centreville Jr./Sr. High School Principal
Rod Detweiler, School Board President
Jackie Bowen, Vice President
TJ Reed, Secretary
Larry Walton, Treasurer

Jeff Houtz, Trustee
Tegan Stuby-Hekter, Trustee
Tim Hall, Trustee

Guidance Office

Here at Centreville Jr./Sr. High School, the school and counseling staff provide a setting where students may discuss, in confidence, anything that is important to them. The staff will also provide information about the selection of classes, planning a high school program, information about the number of earned credits, their needs for graduation, as well as post-high school plans. Students may stop at the counseling office before or after school, between classes, or they may call or e-mail.

Michigan State Board of Education Graduation Requirements

The State Board of Education, the Governor, and the Michigan Legislature have approved high school graduation requirements to improve the rigor, relevance, and outcomes of Michigan high schools in order to prepare students to succeed in their post-secondary education and subsequent careers in the competitive global economy of the 21st Century.

While the requirements dramatically change the face of education in Michigan, *parent involvement remains critical to a student's success.* The failure of even one semester of a required course could result in your son or daughter being in danger of not graduating with his/her class. While local districts continue to determine the total number of credits needed to graduate, the state has now set the number of credits in each subject area and, in many cases, specified the specific courses that must be taken in English, Mathematics, Science, Social Studies, Health/Physical Education, the Arts (visual, performing or applied), and World Languages. An online learning experience is also required.

With the exception of World Languages, these requirements were effective with the Class of 2011. It is essential that you fully understand the requirements so you can guide your child in making sound academic decisions as she/he moves toward high school graduation.

Some key concepts are:

- The requirements apply to ALL students in public schools.
- Local Boards of Education may add to these requirements.
- In limited cases, modifications may be made. However, no "opt-out" provision is allowed.
- Any type of school day schedule may be utilized to meet these requirements.

- There is room in the high school schedule for electives.
- Accelerated, honors, and advanced placement classes will count towards the graduation requirements if the content matches the Michigan Merit Curriculum course expectations.
- Help is available for students. Parents are encouraged to check with their school for support opportunities.
- A Personal Curriculum may be requested for struggling students. Certain criteria apply before this option can be utilized. Check with your school for eligibility.
- All public-school teachers in the designated content areas must meet the Federal Certification and degree standards for highly qualified teachers.
- Your child should be prepared to take the classes for these requirements. All St. Joseph County Public Schools have a plan for K-12 curriculum that is based on grade-level content expectations (K-8) and subject area content expectations (9-12).

Michigan Merit Curriculum

- English Language Arts (ELA) — 4 Credits • Proficiency in State Content Standards for ELA (4 credits)
- Mathematics — 4 Credits
    - Proficiency in State Content Standards for Mathematics (3 credits); and
    - Proficiency in district-approved 4th Mathematics credit options (1 credit) (Students MUST have a math experience in their final year of high school.)
- Online Learning Experience
    - Course, Learning, or Integrated Learning Experience.
- Personal Finance — ½ Credit (Effective with students entering 8th grade in 2023)
    - Proficiency in State Content Standards for Personal Finance
- Physical Education & Health — 1 Credit
    - Proficiency in State Content Standards for Physical Education and Health (1 credit); or

    - Proficiency with State Content Standards for Health (1/2 credit) and district-approved extra-curricular activities involving physical activities (1/2 credit).
- Science — 3 Credits
    - Proficiency in State Content Standards for Science (3 credits); or
    - Proficiency in some State Content Standards for Science (2 credits) and completion of a department-approved formal Career and Technical Education (CTE) program (1 credit).
- Social Studies — 3 Credits
    - Proficiency in State Content Standards for Social Studies (3 credits).
- Visual, Performing, and Applied Arts — 1 Credit
    - Proficiency in State Content Standards for Visual, Performing, and Applied Arts (1 credit).
- World Language — 2 Credits
    - Formal coursework or an equivalent learning experience in Grades K-12 (2 credits); or
    - Formal coursework or an equivalent learning experience in Grades K-12 (1 credit) and completion of a department-approved formal CTE program; or an additional visual, performing, and applied arts credit (1 credit). Courses vs. Credits

Courses vs. Credits

- The Michigan Merit Curriculum reimagines what the diploma represents. With credit based on student proficiency instead of seat time, the diploma represents what the students knows and can do, not the courses that they took. Credits don't have to equate courses; instead, courses, CTE programs, work internships, and other learning opportunities can provide pieces of a variety of credits – filling up the credit pipeline.
- The legislation also allows for specific credit requirements and/or content standards to be modified based on the individual learning needs of a student. It is

designed to serve students who want to accelerate or go beyond the MMC requirements as well as students who need to individualize learning requirements to meet the MMC requirement.

For specific information regarding the MMC law, please refer to the online Michigan Merit Curriculum Frequently Asked Questions.

Online Elective Classes

Online classes enable schools to provide courses that students would not otherwise have access to. All Michigan high schools have access to a warehouse of online course providers that was arranged by Genesee County. All courses offered online are taught by certified teachers. Online course providers do not independently grant diplomas or course credit. They work in cooperation with individual school districts.

The following are guidelines for participating in online courses:

1. Applications to request an online class can be obtained in the Counseling Office.
2. Course selections may not conflict with Centreville Jr./Sr. High School offerings.
3. When the online provider requires, mentor teachers will be assigned.
4. The student's GPA of 2.75 and above is required.
5. Students must have approval of a teacher, the counselor, and the principal in order to participate in Advanced Placement (AP) classes.
6. Students must be responsible and self-motivated. Office referrals for attendance or discipline before or during an online course will be grounds for denial into the program.
7. Adherence to school computer policies is required.
8. Failure to complete or pass an online course will result in the denial of future online course participation. The student must also reimburse the school for the tuition cost for the class.
9. Course evaluations are required.
10. Credit recovery will be at the discretion of the building administrator.

Senior Portfolio Presentations

The culmination of the high school portfolio experience occurs during the student's senior year. All seniors must successfully present their portfolios to a committee represented by members of the community, school board members and/or staff.

Presentations are scheduled in advance and take place in the media center at the end of senior year. Each presentation lasts about twenty minutes, and the student must show evidence of skill acquisition and a plan for the future. Most students enjoy the presentation experience, and the adults involved think it is excellent, both for the students and for themselves.

Academic Graduation Requirements

Graduation Requirements for Centreville Jr./Sr. High School	
REQUIREMENTS	Class of 2027
English Credits	4
Mathematics Credits (must include Algebra I, Algebra II, Geometry, and Personal Finance (PF must be taken starting with the class of 2023) *a math class must be taken senior year starting with the Class of 2023	4
Social Studies Credits: World History, U.S. History, American Government/Econ	3
Science Credits (must include Biology, Chemistry, Physics or Physical Science)	3
Physical Education	0.5
Health Education	0.5
Foreign Languages	2
Visual, Performing or Applied Arts (VPAA)	1
Enrichment/Portfolio	1
Elective Class Credits	7
Total Credits	26

Testing Out

Students may request to test out of any course offered. Students must exhibit mastery of the course content by attaining a grade of no less than a C+ (78%) on a comprehensive exam and / or be required to demonstrate mastery through the basic assessment used in the course. This may consist of a portfolio, a performance, a paper, a project, or a presentation.

Testing out will be counted toward fulfillment of a prerequisite and / or for placement in a subject area and sequence. A "CR" will be designated on the transcript and credit will be granted.

All students who would like to test out of a course for the upcoming school year must make a request to the counseling office by May 1st of the current year. Students are responsible for talking with teachers for information about testing out requirements for the class. Letters will be sent out during the summer regarding appointments to test out of class. Testing out will take place at the end of the current school year.

When considering the test-out option, students need to consider the following:

1. The effect on their GPA calculation (this may mean NOT including a potentially high grade in the GPA;
2. NCAA requirements; and
3. other college admission considerations.

NCAA Eligibility Requirements

A comprehensive overview of NCAA eligibility requirements for all divisions can be found at the NCSA site: https://www.ncsasports.org/how-do-you-get-recruited/college-recruit/ncaa-eligibility-center-clearinghouse-registration-login and then NCAA Eligibility Center: https://web3.ncaa.org/ecwr3/

Career & Technical Education (CTE) Programs

Additional information regarding CTE and each program can be found on the St. Joseph County ISD website at https://sjcisd.org/programs/career-and-technical-education/.

Ask any hiring professional about high-demand, best-paying jobs of tomorrow, and they'll tell you jobs with technical skills will be in the greatest demand ever! You can get a jumpstart on these technical jobs by taking Career & Technical Education (CTE) classes in high school.

CTE classes help you explore careers and find the one that is right for you! High school CTE classes give you the opportunity to earn:

- High School Graduation Requirements
- Transferable College Dual Enrollment Credits
- Industry-recognized Certifications

- Real-World Job Skills

St. Joseph County public school districts work together to offer CTE programs in various high schools and at Glen Oaks Community College. You'll take classes with students from other area high schools who have the same interests as you and truly want to learn . . . and succeed! CTE instructors have real-world experience and are passionate about teaching!

High School Graduation Credits

State of Michigan graduation requirements allow CTE classes to meet requisites for or to be used "in lieu of" certain academic classes. Note that school districts may have additional graduation requirements above the minimum standards set by the State. See your counselor early to plan your high school schedule.

College Dual Enrollment Opportunities

CTE classes in the St. Joseph County CTE Consortium come with college credit opportunities. Glen Oaks Community College and Southwestern Michigan College have partnered with CTE instructors to help give CTE students a "jumpstart" on a college program. These are FREE credits and transferable in most cases. Note that students must have a C+ or above in their first semester to qualify for dual enrollment.

Course Offerings

AGRISCIENCE – V908, V910

Grades: 11-12

3 Credits

Location: Centreville Jr. / Sr. High School

Instructor: Jennifer Troyer | jtroyer@cpschools.org

Agriscience is more than just farming—it's an exciting field that blends agriculture and science and offers a wide range of opportunities for high school students passionate about the natural world.

This dynamic field merges hands-on exploration with cutting-edge scientific breakthroughs to elevate farming techniques, food production, and environmental sustainability. This course covers topics such as plant genetics, soil science, crop production, floriculture, animal behavior, livestock farming, and modern agricultural technology, presenting students with a wide array of engaging pathways to explore.

For students interested in Agriscience, it's an invitation to comprehend how science shapes our food, environment, and the future of sustainable agriculture. From conducting experiments in the onsite greenhouse to working in the barn or at the land lab, to participating in FFA activities or diving into research projects on agricultural innovations, this class offers exciting ventures where curiosity, innovation, and a love for nature converge. This field opens doors to a spectrum of career possibilities beyond conventional farming – it can lead to roles in law, technology, forestry, advocacy, and more. Through hands-on experiences like hydroponics systems, plant ecosystem building, leadership development, and exposure to cutting-edge technologies like drones and GPS, students not only learn but also grow personally, gaining confidence and honing vital skills for their future endeavors.

Agriscience isn't just an educational path; it's a transformative journey that unveils the vast scope of agriculture and empowers students to shape their futures in an ever-evolving industry.

ARCHITECTURE – V998, V990

Grades: 11-12

3 Credits

Location: Sturgis High School

Instructor: Alexander Balzer | abalzer@sturgisps.org

Tailored to high school students interested in architecture, this course provides a foundational exploration of architectural elements, design principles, drawing techniques, digital tools, materials, and construction methods.

Students create floor plans, elevations, site plans, 3D renderings and other necessary documents that relate to building construction. By blending theory with hands-on projects, students gain a comprehensive understanding of the built environment. Additionally, students get hands-on experience with 3D modeling software like Revit, allowing them to craft intricate 3D models and visualize architectural ideas digitally. The hands-on projects aim to equip students with essential digital modeling skills and enhance creative problem-solving abilities in architectural design. Students develop practical skills and foster creativity to tackle architectural design challenges head-on.

AUTOMOTIVE TECHNOLOGIES – V904, V906

Grades: 11-12

3 Credits

Location: Glen Oaks Community College

Instructor: James Deroshia | jderoshia485@glenoaks.edu

Rev up your passion for automobiles and embark on a rewarding career with the CTE Automotive Technologies program, tailored for hands-on enthusiasts aspiring to become automotive service technicians.

This class offers an extensive curriculum that covers routine maintenance to advanced repairs, emphasizing safety, industry standards, and a balanced approach of classroom instruction and hands-on experience for a comprehensive understanding of technical expertise and professional ethics. First-year students focus on maintenance and light automotive repair (MLR), covering essential shop tools and equipment and engine system fundamentals such as starters, cooling systems, electrical components, and basic services such as oil changes. They are introduced to automatic transmissions, manual drive trains and axles, as well as steering, suspension, and brake systems. Second-year students delve deeper into these specialty areas while also serving as shop leaders and helping guide new students.

Our CTE Auto Tech program is accredited by the Automotive Service Excellence (ASE) Educational Foundation. Students have the opportunity to earn an ASE Entry-Level Certification in Automotive Maintenance and Light Repair. Advanced students are set up to take State of Michigan Mechanic tests in Brakes and Steering & Suspension.

Students, embrace your passion for cars, acquire invaluable skills, and launch your adventure into the high-speed realm of automotive technology. Assume control of your career's steering wheel and allow the CTE Auto Tech program to power and guide you toward triumph!

AVIATION – V980, V982

Grades: 11-12

3 Credits

Location: Glen Oaks Community College

Instructor: Helen Figurski Anshul Kulkarni | helen@threeriversaero.com

Our newly-created CTE Aviation course offers an exhilarating look into the skies, introducing students to the captivating world of aviation. This ground-based program is tailored for aspiring pilots, aircraft technicians, or aviation enthusiasts and covers the

fundamentals of flight, aircraft operations, and aerospace technology. Students explore aerodynamics, navigation principles, aviation safety, and the mechanics of aircraft systems. Engage in hands-on experiences that may include flight simulation, maintenance workshops, and visits to aviation facilities. The curriculum also emphasizes essential skills such as critical thinking, problem-solving, and teamwork, preparing students for potential careers in aviation or further studies in related fields. This ground course will prepare you to take the Federal Aviation Administration (FAA) private pilot written exam.

Through engaging lessons and practical learning opportunities, this course ignites a passion for aviation and sets a solid foundation for future endeavors in this dynamic industry.

COMPUTER SCIENCE AND TECHNOLOGY – V972, V974

Grades: 11-12

3 Credits

Location: Three Rivers High School (am) | Glen Oaks Community College (pm)

Instructor: Kristopher Leach | kleach@sturgisps.org

Tech-savvy students interested in exploring the intricate components of computer science and the field of information technology will find that this CTE class could be their ticket to a rewarding and in-demand career.

This class delves into the essentials of computer science and technology, covering hardware, troubleshooting techniques, and the fundamental understanding of how computers function. Learn how to build and tear down various devices, including computers, laptops, servers, and more. Gain invaluable insights into the infrastructure of information technology (IT), understanding the interconnected systems that power our connected world.

What makes this course even more valuable is the opportunity to earn multiple industry recognized certifications in the areas of IT fundamentals, personal computers and networking. These certifications ensure students are not only equipped with knowledge but also industry-recognized qualifications, making them job-ready straight out of high school.

Get set for an exhilarating journey where a knack for fixing glitches transforms into a skill set for tomorrow's tech-driven world.

CONSTRUCTION TRADES: RESIDENTIAL BUILDING – V916, V918

Grades: 11-12

3 Credits

Location: Sturgis High School

Instructor: Paul Draper | pdraper@sturgisps.org

Explore the world of construction through the Construction Trades-Residential Building program! Gain hands-on experience constructing a house from the ground up, starting with the basement foundation and working up to the roof. From laying floor joists and installing subflooring to erecting walls wrapped in plywood, students actively engage in every step of the building process. This class not only prepares students for potential careers in construction, but empowers them to repair their own homes in the future.

Curious about the various skilled individuals working on construction sites? This program offers insights into specialized skills like carpentry, plumbing, and heavy equipment operation. It covers foundational building skills, including electrical work, estimating, and project management.

Whether your interest lies in bricklaying, glass fittings, or steel frames, this class provides a comprehensive understanding of house construction, imparting students with versatile skills. Through a mix of classroom learning, onsite house projects, and hands-on internships with local professionals, this program ensures a complete learning experience. If you thrive in diverse outdoor conditions and enjoy hands-on work, join us to explore the diverse and growing construction job opportunities in Michigan and beyond!

COSMETOLOGY – V984, V986

Grades: 11-12

3 Credits

Location: Southwest Michigan Beauty School

Instructor: Reyna Perez | reyna@swmbeautyschool.com

CULINARY ARTS – V976, V978

Grades: 11-12

3 Credits

Location: Constantine High School (am) | Sturges Young Auditorium (pm)

Instructor: Candice Swanwick | cswanwick@constps.org

Students passionate about cooking, baking, or careers in the food industry can explore the exciting world of Culinary Arts in this CTE program and discover a dynamic industry filled with endless career opportunities worldwide. This class covers the various concepts of food safety and sanitation, foundations of culinary preparation, basic culinary skills, world cuisines, nutrition, menu development, sustainability and food economics as well as aspects of workplace professionalism and customer service.

Through a mix of classroom learning and hands-on kitchen experience, students will master essential culinary skills and work productively as an individual and as part of a team. As food trends and preparation techniques continually evolve, the demand for innovative and knowledgeable professionals rises. This program opens doors in the food service industry, providing a solid foundation for further training or immediate entry into the workforce.

ENGINEERING DESIGN TECHNOLOGIES – V968, V970

Grades: 11-12

3 Credits

Location: Sturgis High School

Instructor: Alexander Balzer | abalzer@sturgisps.org

For students fascinated by how things function, from intricate machinery to advanced technologies, or who thrive on creating, innovating, and solving complex challenges, the Engineering Design Technologies (EDT) program is a perfect fit. Within the STEM cluster, EDT opens doors to diverse and exciting career paths. This class focuses on nurturing design thinking and creativity, serving as a stepping stone to potential careers in engineering or related fields.

In the EDT program, students explore the art and science of design, working with industry-standard software such as AutoCAD, SolidWorks, Inventor, and 3D modeling tools. Learn how to interpret, create, and analyze drawings for various applications. Whether your ambitions lean towards engineering, architecture, or industrial design,

EDT equips you with the skills to turn your creative visions into tangible reality. This hands-on, project-based course not only brings your imaginative concepts to life but also readies you for both the professional world and further education.

GRAPHIC DESIGN – V929, V931

Grades: 11-12

3 Credits

Location: Glen Oaks Community College

Instructor: Ciera Kline | ckline371@glenoaks.edu

The CTE Graphic Design program allows students to unleash their creativity and become visual storytellers. Graphic designers are the creative geniuses behind logos, ads, websites, and product packages, transforming ideas into visually stunning realities. Think of iconic logos such as Nike™ or Microsoft™ – the work of graphic designers surrounds us everywhere we look - in magazines, brochures, online and more.

In this class, students dive into the exciting realm of visual communication, learning the art of using colors, photos, fonts, and graphics to convey powerful messages. Graphic designers shape the identity of products, services, and companies, influencing, informing, and entertaining the public. A design project encompasses various elements such as photos, text, drawings, and layout design, all skillfully brought together into a polished final product, whether in print, on a webpage, or through other visual mediums.

Equipped with Adobe Suite tools like InDesign, Illustrator, and Photoshop, students explore the design process – from generating creative ideas to bringing them to life. This class opens doors to diverse career paths, including freelance work, marketing, interior design, videography, photography, and more.

HEALTH SCIENCE I – V952

Grades: 11-12

3 Credits

Location: Centreville Jr. / Sr. High School

Instructor: Monica Bullock | mbullock@cpschools.org

Embark on a journey into the world of healthcare with our CTE Health Science I program. This introductory class is an ideal starting point for individuals interested in

science and the intricacies of the human body. Students will explore fundamentals

essential to becoming a healthcare professional, including topics such as:

- medical terminology
- anatomy and physiology
- vital signs
- safety precautions
- legal and ethical considerations
- nutrition
- infection control
- disease prevention
- and much more!

Our comprehensive approach offers students a well-rounded understanding of healthcare, creating enthusiasm for future career paths, allowing for exploration of specific areas of interest, and developing essential skills. The classroom setting promotes collaboration and support through interactive team activities, creating an encouraging environment and boosting self-confidence. Students engage in hands-on learning that replicates real-life scenarios found in doctor's offices, hospitals, and similar healthcare settings.

This class equips students with valuable skills even if they do not pursue a career in the health industry!

HEALTH SCIENCE II – V954

Grades: 11-12

3 Credits

Location: Centreville Jr. / Sr. High School

Instructor: Darci Skrzyniarz | dskrzyniarz@cpschools.org

Embark on a journey into the world of healthcare with our CTE Health Science I program. This introductory class is an ideal starting point for individuals interested in science and the intricacies of the human body. Students will explore fundamentals

essential to becoming a healthcare professional, including topics such as:

- medical terminology
- anatomy and physiology
- vital signs
- safety precautions
- legal and ethical considerations
- nutrition
- infection control
- disease prevention
- and much more!

Our comprehensive approach offers students a well-rounded understanding of healthcare, creating enthusiasm for future career paths, allowing for exploration of specific areas of interest, and developing essential skills. The classroom setting promotes collaboration and support through interactive team activities, creating an encouraging environment and boosting self-confidence. Students engage in hands-on learning that replicates real-life scenarios found in doctor's offices, hospitals, and similar healthcare settings.

This class equips students with valuable skills even if they do not pursue a career in the health industry!

HVAC, ELECTRICAL, AND PLUMBING– V960, V962

Grades: 11-12

3 Credits

Location: Constantine Middle School

Instructor: TBD

Picture yourself enjoying the comfort of an air-conditioned haven on a scorching summer day or cozily warming up in your heated home during a frosty winter night. Ever wonder who creates these comforting environments? The CTE HVAC, Electrical & Plumbing program unravels the secrets behind these moments of comfort. This class delves into the intricate world of heating, ventilation, and air-conditioning systems, offering hands-on experience in installation, maintenance, and repair.

Students explore the complexity of HVAC systems, learning to follow blueprints for installation and conducting tests to ensure seamless operation. Additionally, the course

covers fundamental electricity installation techniques and plumbing system installation, maintenance, and repair. It encompasses essential construction trade basics like job planning, estimating, and customer service.

Whether mastering electrical installation, plumbing systems, or servicing heating and air conditioning equipment, this program equips students with vital skills tailored for specialized roles in the construction trades industry. Geared toward job readiness and apprenticeships, students acquire technical expertise, positioning them as ideal candidates for a rewarding career in these high-demand fields.

MANUFACTURING – V943, V945

Grades: 11-12

3 Credits

Location: Sturgis High School

Instructor: Jeffrey Wanamaker | jwanamaker@sturgisps.org

The CTE Manufacturing program is designed for hands-on learners passionate about creation and design. From mastering fundamental skills to advanced Computer Numerical Control (CNC) machining, this class prepares students for thriving careers in today's advanced manufacturing facilities.

The curriculum covers manual and CNC machine operation, industrial blueprint reading, precision measurement, welding, and fabrication. With hands-on experience using machining centers, turning centers, and surface grinders, students oversee the entire manufacturing process, gaining proficiency in transforming raw materials into finished products.

This unique program not only focuses on machine operation but also delves into the intricacies of the manufacturing process, providing insights into maintaining systems, calibrating instruments, and collaborating with engineers to design innovative systems and products.

With a focus on practical expertise and problem-solving skills, students emerge uniquely prepared for the workforce, proficient in machinery operation, and equipped to contribute to the creation of products that shape our world.

MARKETING – V933, V935

Grades: 11-12

3 Credits

Location: Three Rivers High School (am) | Sturgis High School (pm)

Instructors: Scott Muffley, smuffley@trschools.org | Tracy Harker, trharker@sturgisps.org

As you explore the world of Marketing, unlock your potential through the eyes of a Marketing Professional. It's more than just a marketing class; it's a journey toward personal growth and success. Explore vital elements including communication, customer relations, presentation, networking, creativity, selling, and finance. Master entrepreneurial skills including management, employee relations, and customer/client relationships.

Gain life skills as you learn more about yourself and your ability to be successful with characteristics that you already possess. Become equipped with the ability to market yourself through effective communication and presentation skills, as well as strategic thinking and networking skills. Navigate your way through the DECA opportunity, and compete against the best the Marketing world offers. Network with peers from across the state and country, travel, explore, and showcase your area of expertise.

Marketing transcends successful opportunities in many career fields. Uncover the secrets of both product and organizational planning. Learn the strategies behind product placement, pricing, and promotion by companies throughout the world. Explore strategies used by marketing professionals and businesses to persuade the world to buy their products and services. See the world from a whole different perspective.

PUBLIC SAFETY – V964, V966

Grades: 11-12

3 Credits

Location: Glen Oaks Community College

Instructor: Jennifer Newman | jenewman@cpschools.org

For students passionate about helping others and interested in Police, Fire, Emergency Medical Services (EMS), or 911 Dispatching, this program provides a comprehensive foundation for a career in Public Service. Learn core values of **Leadership, Discipline,** and **Teamwork** while acquiring essential skills in:

- Traffic Policing
- Defensive Tactics

- Criminal Law
- Forensic Science
- 911 Dispatching
- Issues & Ethics in Law Enforcement

Students will also be introduced to fire services and emergency medical services (EMS) to broaden their scope within the Public Safety domain. To prepare students for the rigors of public safety professions, this course will push students physically and academically. Physical training helps develop leadership and teamwork as well as a healthy mindset needed for working in these professions. Students will also actively engage in campus patrols, fostering hands-on experiences.

This program not only opens doors to immediate employment in many public safety professions but promises a stable future with benefits like pensions, healthcare, and competitive pay after high school graduation. While some Public Safety careers require candidates to be 21 years old to carry firearms, this course can provide a pathway to the Police Academy or further training.

TEACHER ACADEMY – V956, V958

Grades: 11-12

3 Credits

Location: Three Rivers High School | Congress Elementary (pm)

Instructors: Wayne (Rusty) Stitt, rstitt@gmail.com | Julie Evans, jevans084@glenoaks.edu

If you excel at captivating audiences, simplifying complex ideas, connecting with children, and possess qualities like patience and organization, a teaching career may be your true calling. Today's students require strong classroom leadership to create enjoyable and engaging learning experiences.

This program goes beyond typical learning. Teacher Academy students, or cadets, actively contribute to creating curriculum and instructional materials in a classroom setting while developing invaluable employability and communication skills. Throughout the program, cadets collaborate with a mentor or host teacher, gaining hands-on experience and working with actual students in real classrooms within our local districts. This practical exposure ensures cadets grasp not only the theory but also the art of teaching. The skills acquired in the CTE Teacher Academy program will open doors to

various rewarding career paths, including roles such as K-12 teacher, special education teacher, school counselor or social worker, speech pathologist, and more.

WELDING – V937, V939

Grades: 11-12

3 Credits

Location: Constantine High School | Glen Oaks Community College

Instructors: Brea Zuydwegt, bzuydwegt@constps.org | Alyse Bannister, abannister588@glenoaks.edu

Welders are the architects of our world, skillfully fusing two or more pieces together using intense heat to create enduring structures. Its significance extends across manufacturing, construction, and various other industries, crafting resilient connections that surpass traditional fastening methods like bolts or rivets, making welding an indispensable trade.

Emphasizing safety and precision, the hands-on training covers various techniques, including cutting, brazing, and soldering while using industry-standard equipment. This course explores methods such as Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), and Shielded Metal Arc Welding (SMAW). The curriculum delves into metal properties, oxidation-reduction, project setup, estimating, and plasma cutting while prioritizing employability skills such as communication and following directions.

Partnering with industry leaders, students visit local manufacturing facilities, engage in job shadowing and participate in work-based learning opportunities. They may attend trade shows to receive the latest information on new and evolving technologies. Students can also showcase their skills through various competitions at the local and state levels.

This course equips students for immediate job entry or advanced training after graduation. An opportunity to earn an AWS SENSE Entry-Level Welding certification enhances their employment prospects and validates their expertise.

Department and Individual Course Descriptions

Final courses offered in the master schedule are based upon student course requests and available staff to teach those courses. Therefore, we ask that all students choose their courses carefully, plan ahead, and list an alternative course in case a course is not offered or there is a scheduling conflict.

Fine and Performing Arts

ART I – L499

Grades: 9-12

1 Credit

Prerequisite: None

Required: No

Art I explores the fundamental artistic precepts through their historical applications. Through the completion of hands-on projects, readings from the *Art in Focus* textbook, supplemental class readings, discussions, tapes, and assigned writings directly related to the thematic classroom pursuits, students will gain the lifelong benefits of a gratifying artistic experience and a command of the aesthetics. Entry-level students will focus on composition, proper building of a painting, care/handling of equipment, and exploration of various acrylic techniques/textures. First-semester students will be required to complete a minimum of one painting per marking period (one landscape and one free-choice). Advanced students will be required to paint a minimum of one painting per marking period (one portrait and one free-choice).

ADVANCED ART - L509

Grades: 10-12

1 Credit

Prerequisite: Art 1

Required: No

This course is designed to guide students in the development of creative skills by utilizing a variety of artistic materials such as drawing, painting, ceramics, printmaking, and mixed media. Students will be engaged in meaningful and dynamic assignments based on diverse ideas. Students will be expected to participate in art critiques and continue to develop their own artistic dialog, verbally, and through writing. Students will be expected to create a portfolio of their work and will have the opportunity to participate in local art shows. Students will explore the theme of artists' intentions and discover a variety of reasons art is created, while gaining an appreciation for the arts and exploring their own artistic inspirations.

BAND – J613

Grades: 9-12

1 Credit

Prerequisite: Audition May Be Required

Required: No

The band will focus on performance as well as a broad range of musical experiences, including marching, different styles of music literature, and music theory and history. There will be multiple performances throughout the year that include marching at home football games, community parades, concerts in the winter and spring, festival performances, and a selection of home basketball games. Other voluntary opportunities include the Solo and Ensemble Festival and Honors Band.

CERAMICS – L529

Grades: 9-12

1 Credit

Prerequisite: None

Required: No

This course provides a comprehensive study in methods of sculpture, hand-built clay construction, and techniques. Students explore three-dimensional design while developing both useful and sculptural forms. Creativity and quality craftsmanship are emphasized. Students will develop a physical and digital portfolio of work by documenting their process in a sketchbook and organizing photographs of their work.

CHOIR – J616

Grades: 9-12

1 Credit

Prerequisite: None

Required: No

This class focuses on learning musical concepts and skills through performance. Students will learn the fundamentals of vocal production and good choral sound. We will emphasize the development of music-reading and ear-training skills. The ensemble will perform music from a variety of sources, including traditional choral, folk, pop, and Broadway. Opportunities for small-group and solo work will be provided. There will be two to three required concerts during the year. Additional voluntary performances at football or basketball games, or required performances during the regular school day may be scheduled.

ART IN PUBLIC SPACES – L528

Grades: 9-12

1 Credit

Prerequisite: None

Required: No

This course provides students an opportunity to explore, design, propose, and create public art. Students will gain a firsthand experience in collaboration, social engagement, and a participatory public art piece. Public art is often site-specific and is created in response to the place and community where it is placed. Students will learn what public art is, why it is important to communities, how it is developed and created, and review case studies that showcase the positive impact public art can have on a community. Students will collaborate with classmates to design a public art project that they will propose to school administration for approval and complete (most likely a mural), within the school building/community.

MUSIC APPRECIATION – J222

Grades: 9-12

1 Credit

Prerequisite: None

Required: No

A non-performance class open to all students. The purpose of this course is to increase students' musical awareness and give students the tools to actively listen to, discuss, and critique various styles of music. Students will learn the basic elements of music and appropriate music vocabulary. Students will study and discuss a variety of musical genres, including but not limited to classical, jazz, rock, musicals, and world music. Investigations of composers and performers integral to the styles are included. Other activities include listening, discussions, projects, and presentations on each style of music.

Enrichment

ENRICHMENT

Grades: 9-12

.25 credits/year

Prerequisite: None

Required: Yes

This half-hour class will focus on building core academic skills, as well as practicing with, and utilizing the results from, standardized tests (PSAT and SAT). Students will also

receive instruction and practice organizational and life skills, such as study habits, college applications, financial literacy, career choice, etc.

Foreign Language

SPANISH I – F713

Grades: 8-12

1 Credit

Prerequisite: None

Required: Yes

In Spanish I, you'll be introduced to several common situations in which people communicate, such as exchanging names and greetings, describing people by physical and personality traits, and describing family members and aspects of your social life. You'll start with basic sentence structures and grammatical tools, and you'll learn to communicate by listening, speaking, reading, and writing in Spanish as you internalize new vocabulary and grammar. You'll also learn about some regions of the Spanish-speaking world that the central characters of each unit are visiting. You will build on this work as you advance in your Spanish studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

Spanish II – F723

Grades: 9-12

1 Credit

Prerequisite: None

Required: *Yes

In Spanish II, you'll be introduced to several common situations in which people describe how to earn, save, and manage money, modes of urban transportation, various seasons, and the associated weather conditions, food, clothes, and activities. You'll also describe various art forms, plays, concerts, and movies. You'll discuss health and well-being and travel and tourism. You'll build on what you learned in the Spanish 1 course to communicate by listening, speaking, reading, and writing in Spanish as you internalize new vocabulary and grammar. You'll also learn about some regions of the Spanish-speaking world that the central characters of each unit are visiting. You will build on this as you advance in your Spanish studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

*Students may take an additional fine/performing/applied Arts or CTE to replace the 2nd credit for foreign language.

English Language Arts

4 credits required for graduation

ENGLISH 7 – ENG7

Grades: 7

Prerequisite: None

Required: Yes

This course focuses on students' reading, writing, analysis, and (basic) rhetorical skills. Students will respond to a diverse set of fiction and non-fiction texts using these skills. The main units covered in class include, but *are not limited to*: genre and close reading, memoir,

short-form researched persuasive writing, narrative reading and literary essay writing (two main texts being *Legend* and *Prodigy* by Marie Lu), informational reading and writing, and long-form researched persuasive writing.

ENGLISH 8 – ENG8

Grades: 8

Prerequisite: None

Required: Yes

In English 8, students will focus on the Common Core Standards for 8th Grade English. The class is focused on learning styles, research and informational texts/writings, persuasive texts/writings, argumentative essay writings, and narrative readings/writings, as well as a speaking/listening Common Core component not included in English 7.

ENGLISH I – B113

Grades: 9

1 Credit

Prerequisite: None

Required: Yes

In English I, students will focus on the Common Core Standards for English, Grades 9-10, using thematic units based around literature and nonfiction texts. English 1 is focused

on inter-relationships, self-reliance, critical response, stance, and transformational thinking. English 1 students will learn the skills to connect with, and respond to, texts, improve communication skills, analyze various relationships and responsibilities within society (including their own). Students will also learn how these skills and relationships impact others. Reading, writing, thinking, and speaking skills will be emphasized through written assignments, speeches, reading, and the analysis of literature.

ENGLISH II – B123

Grades: 10

1 Credit

Prerequisite: English I

Required: Yes

English II focuses on advancing students' reading, writing, speaking, listening, and critical thinking skills through the study of American literature. The study will incorporate a variety of literary genres and writers. Writing will cover expository, descriptive, persuasive, and research writing. Grammar, mechanics, and usage will be covered within the context of these writing assignments. Students will also complete a research paper using a specialized writing process as appropriate for college and workplace readiness.

ENGLISH III – B133

Grades: 11

1 Credit

Prerequisite: English II

Required: Yes

In English III, students will focus on the Common Core Standards for English, Grades 11-12, using thematic units based around literature and nonfiction texts. The focus of the thematic units in English III is on transformational thinking. It is designed to help students learn how to make informed decisions, plan for the future, demonstrate open-mindedness, invent new opportunities, and seek wisdom in appropriate places. Reading, writing, thinking, and speaking skills will be emphasized through written assignments, speeches, reading, and the analysis of literature. Students will be exposed to various texts and write many different types of expository and creative pieces.

ENGLISH IV – B143

Grades: 12

1 Credit

Prerequisite: English III

Required: Yes

English IV focuses on refining students' reading, writing, analysis, speaking, and rhetorical skills as defined by ELA Common Core Standards 11-12. Students will respond to a diverse set of fiction and non-fiction texts using these skills, with an emphasis on "real world" application and relevance. "Project-Based Learning" is also emphasized in this course. Some of the texts utilized include the Vietnam War memoir/short story collection *The Things They Carried*, the Pulitzer Prize-winning play *Fences*, and George Orwell's allegorical novel *Animal Farm*.

LITERATURE THROUGH FILM – B187

Grades: 9-12

1 Credit

Prerequisite: None

Required: No

This course emphasizes film as literature with a focus on technique, context, genre, theme, structure, style, and, in some cases, rhetoric. It also utilizes texts (novels and short stories) that will be analyzed in the same ways, while looking at how they have been adapted to the medium of film. The genre of screenplay will also be investigated. Students are encouraged to develop analytical skills and refine their critical abilities through this combination and will engage in readings, writing, film viewing, discussions, and multimedia projects.

WRITING FOR BROADCASTING – B142

Grades: 9-12

1 Credit

Prerequisite: None **English Elective Only*

Required: No

Writing for Broadcasting operates as a project-based classroom where individuals and collaborative groups will be responsible for creating various video projects based on studies of video productions and film genres. Basic standards of videography and broadcast writing will be applied. This course will address the hands-on use of technology, primarily cameras and video editing software. Speaking and interpersonal abilities are integral to this class for interviews and appearances on camera. Students will also critique films and examine mass media and its impact on styles, trends, and current events. Outside-of-class filming will be required.

LANGUAGE ARTS STRATEGIES – X880

Grades: 8

1 Credit

Prerequisite: No

Required: No

Students will participate in reading, writing, and discussion activities meant to increase reading comprehension through practice reading and writing strategies. Students will be engaged in the readings through high-interest text selections, both teacher-selected and student choice. These strategies can then be applied to other classes and related reading materials. Class will be supplemental to required English class.

YEARBOOK – B140

Grades: 9-12

1 Credit

Prerequisite:

Required: No

Yearbook is a class that produces the high school yearbook titled, *The Centrillian*. The yearbook is a self-funded and student-run publication. Students will learn leadership, business, sales, marketing, copywriting, interviewing, designing, photography, and computer skills. Yearbook students are responsible for selling advertisements to local businesses to meet class-established goals for ad sales as well as individual sales goals. They will learn how to work cooperatively through planning, communication, collaboration, and meeting publisher deadlines. Yearbook class is a team effort made up of individuals with a strong sense of school and community pride who strive to create amazing books that uphold the traditions of Centreville Jr./Sr. High School.

Leadership

STUDENT LEADERSHIP – X860

GRADES: 7-8

PREREQUISITE: None

REQUIRED: No

Through this course, students interested in developing strong leadership skills will conceive, plan, and evaluate a variety of school activities relating to the transition of seventh graders into junior high. Participants will be trained in necessary leadership and

life skills such as setting and accomplishing goals, collaborating with others, effective communication, time management, meeting deadlines, and problem-solving. This course seeks to foster students' understanding of themselves, and their capacity for leadership, and the importance of their leadership role in mentoring the members of the 8th-grade class.

Mathematics

4 credits required for graduation.

MATH 7 – MAT7

Grades: 7

Prerequisite: None

Required: Yes

Seventh-grade math will follow the Common Core State Standards. The seventh-grade standards focus on ratios and proportional relationships, the number system, expressions and equations, geometry, and statistics and probability.

MATH 8 – MAT8

Grades: 8

Prerequisite: Math 7

Required: Yes

Eighth-grade math will follow the Common Core State Standards. The eighth-grade standards focus on the number system, expressions and equations, functions, geometry, and statistics and probability.

ALGEBRA I – E314

Grades: 8-9

1 Credit

Prerequisite: Math 8

Required: Yes

The main emphasis in Algebra I is the use of algebraic language, the number line, sets, variables, open sentences, linear equations and inequalities, and negative numbers. After the fundamentals are mastered, an introduction to polynomials, factoring, algebraic fractions, coordinates in the plane, graphing, radicals, functions, and quadratic equations

will be covered. The student will learn how to use the graphing calculator to expand their knowledge of all algebraic concepts.

GEOMETRY – E327

Grades: 10-11

1 Credit

Prerequisite: Algebra

Required: Yes

This course will encompass both plane and solid geometry. Plane geometry is the study of geometric forms that are on a flat surface, such as lines, angles, and polygons. Students are exposed to formal and systematic proofs. They are expected to understand the reasoning of others and to reason well themselves. Solid geometry will stress the new viewpoints in going from the plane to space.

ALGEBRA II – E315

Grades: 9-10

1 Credit

Prerequisite: Algebra I

Required: Yes

This class reviews skills from Algebra II and extends them. Real numbers, both rational and irrational, and complex numbers are discussed. It introduces imaginary numbers and various quadratic relations. Families of functions are covered in great detail. Trigonometry is also introduced in this class.

PRECALCULUS – E316

Grades: 10-12

1 Credit

Prerequisite: Algebra II

Required: *May count as senior year math req.

This course is designed to expand the student's knowledge of mathematics by a fuller development of the student's background, and by study in new fields. The first part of the course will enhance and expand on previous courses (Algebra I and Algebra II). The second part of the course will be an extensive study of trigonometry. As time permits, we will continue with sequences, series, and matrices.

PERSONAL FINANCE – E559

Grades: 11-12 (Required for Class of 2023 and after)

1 Credit

Prerequisite: Algebra; Geometry

Required: *May count as senior year math req.

This course is designed to provide a basic understanding of personal finance topics which include taxes, checking, savings, insurance, types of credit, managing credit, investing, paying for college, and budgeting. Several resources will be used to cover these topics including Dave Ramsey's *Foundations in Personal Finance*.

PROBABILITY and STATISTICS – E435

Grades: 11-12

1 Credit

Prerequisite: Algebra; Geometry

Required: No

This course is designed to provide a basic understanding of descriptive and inferential statistics and probability. Topics include the measure of central tendency, standard deviation, combinations and permutations, probability, sampling, and various distributions. Probability and Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Emphasis is on the application of concepts.

Physical and Health Education

1 credit required for graduation.

PHYSICAL EDUCATION – M113

Grades: 9

½ Credit

Prerequisite: None

Required: Yes

General Physical Education will provide learning opportunities for students to develop skills and knowledge related to fitness, physical competence, cognitive understanding, and positive attitudes about physical activity that promote a healthy and physically active lifestyle. Students will acquire knowledge and skills in recreational, athletic, and

lifetime activities. The emphasis is on active participation, sportsmanship, teamwork, developing organizational skills, and supporting reading and writing across the curriculum. FitnessGram activities will assess the students' physical fitness levels and help establish personal goals.

ADV. PHYSICAL EDUCATION – M119

Grades: 10-12

½ Credit

Prerequisite: None

Required: No

Advanced Physical Education will provide further learning opportunities for students to develop skills and knowledge related to fitness, physical competence, cognitive understanding, and positive attitudes about physical activity that promote a healthy and physically active lifestyle. Students will acquire further knowledge and skills in recreational, athletic, and lifetime activities. Many new units will be introduced in advanced PE that are not in the general physical education class. The emphasis is on active participation, sportsmanship, teamwork, developing organizational skills, and supporting reading and writing across the curriculum. FitnessGram activities will assess the students' physical fitness levels and help establish personal goals.

POWER TRAINING – M176

Grades: 10-12

1 Credit

Prerequisite: HS PE

Required: No

This course is designed to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiorespiratory endurance activities. Students will learn the basic fundamentals of weight training, power training, aerobic/anaerobic training, and overall fitness training and conditioning. Students will be empowered to make wise choices, create goals, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

HEALTH – M113

Grades: 9-12

½ Credit

Prerequisite: None

Required: Yes

This course focuses on building knowledge and developing awareness regarding health issues. Discussions and investigations will help students assess their present wellness and create skills to maintain healthy habits. Topics in the semester will include physical fitness, food/nutrition, stress management, safety/first aid, drug use/abuse, alcohol, tobacco, HIV/AIDS, and reproductive health. Better information and knowledge will lead to healthier choices and lifestyle habits.

FIT FOR LIFE – M177

Grades: 10-12

½ Credit

Prerequisite: None

Required: No

This course is designed to give students the opportunity to learn concepts and techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiorespiratory endurance activities. Students will learn the basic fundamentals of aerobic/anaerobic training and overall fitness training and conditioning. Students will be empowered to make wise choices, create goals, meet challenges and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

FUNDAMENTALS OF FALL SPORTS – M120

Grades: 9-12

½ Credit

Prerequisite: None

Required: No

Fundamentals of Fall Sports (Semester)—students will learn game play, rules, strategies, and fundamentals of playing fall sports.

FUNDAMENTALS OF SPRING SPORTS – M123

Grades: 9-12

½ Credit

Prerequisite: None

Required: No

Fundamentals of Spring Sports (Semester)—students will learn game play, rules, strategies, and fundamentals of playing spring sports.

Science

3 credits required for graduation.

7th GRADE SCIENCE – SCI7

Grades: 7

Prerequisite: None

Required: Yes

Seventh-grade science covers each of the three major science areas: Physical Science, Life Science, and Earth Science. Physical Science topics include pure substances, thermal energy's impact on molecules, and chemical reactions. Life Science topics include photosynthesis and patterns of populations. Earth Science topics include energy cycles related to weather and climate, continental plate movement, earth's changing surface over time, and the distribution of minerals, groundwater, and energy across the Earth. Students will investigate concepts in lab activities, demonstrations, lecture and discussion, modeling, and problem-solving.

8th GRADE SCIENCE – SCI8

Grades: 8

Prerequisite: None

Required: Yes

Eighth-grade science covers each of the three major science areas: Physical Science, Life Science, and Earth Science. Physical Science topics include forces and Newton's Laws, kinetic energy, fields (such as electrical), and waves. Life Science topics include gene mutations, patterns of adaptation over time, natural selection, and selective breeding. Earth Science topics include fossils and earth's history, the earth-sun-moon system, the role of gravity within galaxies and the solar system, and natural resource consumption. Students will investigate concepts in hands-on activities, demonstrations, lectures and discussions, and modeling.

8th GRADE SCIENCE EXPLORATORY - XSC8

Grades: 8

Prerequisite: None

Required:

In 8th Grade Science Exploratory, we will be learning about science in each of the three major science areas: Physical Science, Life Science, and Earth Science. Science Exploratory is a class that will integrate all three of these areas and allow us to do some fun activities and challenges to strengthen our science critical thinking skills.

PHYSICAL SCIENCE – D413

Grades: 9

1 Credit

Prerequisite: None

Required: Yes

This foundational science course explores three areas of science. Physics, the relationship between matter and energy. Topics include motion, forces, waves/sound and light, electricity, and magnetism. Chemistry, the structure of matter. Topics are periodic table, atomic structure, and chemical relationships. The third area is Earth and Space Science. Topics include earth cycles, earth-moon-sun interactions, solar system, and cosmology. Students will investigate concepts in lab activities, demonstrations, lectures and discussions, and problem-solving.

BIOLOGY - D423

Grades: 10

1 Credit

Prerequisite: Physical Science

Required: Yes

Biology is the study of life. The underlying biological principles that all living things have a genetic code, are made of cells, reproduce organisms of the same type, are capable of growth and development, make and use energy, and respond to their environment will be studied. Basic units of study include Molecules of Life, Energy in Living Systems, Cell Structure and Function, Genetics, Natural Selection and Biodiversity, and Ecology. In this course, students will use laboratory instruments to observe and measure various aspects of living things as they collect, analyze, and interpret data.

CHEMISTRY – D437

Grades: 11-12

1 Credit

Prerequisite: None

Required: Yes*

Chemistry is the study of matter and energy. This course will emphasize the mathematics of chemistry and the student will find a scientific calculator to be a very useful tool. Students will become familiar with the periodic table, will recognize and write chemical formulas, predict reactions and write balanced equations for them, and will learn about moles, acids, bases and salts, atomic structure and properties, chemical bonding, kinetic energy, the phases of matter, properties of water, oxidation, and more. Students will use laboratory equipment to collect, analyze and interpret data throughout the course.

PHYSICS – D447

Grades: 11-12

1 Credit

Prerequisite: None

Required: Yes*

Students will examine the relationship between matter and energy and how they interact. This course will have a strong emphasis in the mathematics of physics. Students will explore physics concepts through a combination of problem-solving, lectures and discussions, lab activities, and demonstrations.

ASTRONOMY – D419

Grades: 9-12

1 Credit

Prerequisite: None

Required: No

Astronomy is the study of space and heavenly bodies. This is an introductory course to get you familiar with the night sky and the universe. We will be covering topics such as the solar system, planets, constellations, life cycles of stars, black holes, and more. This course introduces you to the composition and structure of the universe. This course will provide you with a study of the universe and the conditions, properties, and motions of bodies in space.

ECOLOGY – D425

Grades: 9-12

1 Credit

Prerequisite: Algebra 1 and Biology

Required: No

Ecology is the study of the interactions of living things with their physical surroundings and with each other. This course will explore the interactions of populations and communities with each other and their surroundings. Population growth, competition within plant communities, classification of the world's biomes, local winter ecology, freshwater ecology, soil ecology, Michigan's unique ecosystems, and plant-insect interactions will be studied. Students who have succeeded in Biology and Algebra I will be well-prepared for this course.

INTRO. TO AGRISCIENCE AND NATURAL RESOURCES – H913

Grades: 7-8, 9-12

1 Credit

Prerequisite: None

Required: No

This year-long course is highly recommended as a prerequisite for all other agricultural classes. The nature of this course is to provide students with an introduction to careers and the fundamentals of agricultural science and business. Areas to be covered include agricultural literacy, plant and soil science, environmental science, horticulture and landscape management, agricultural biotechnology, agricultural science, business tools and equipment, basic principles of and employability in the agricultural/horticultural industry, basic agribusiness principles and skills, developing leadership skills in agriculture, and supervised experience in agriculture/horticulture purposes and procedures. Student learning objectives are defined. Instruction includes not only agriculture education standards but many academic standards through the use of "hands-on" problem-solving individual and team activities.

Students will also have the opportunity to participate in FFA activities such as a leadership career development event, skill career development events, recreational activities, service projects, and the parent-member banquet.

FORENSICS – D456

Grades: 9-12

½ Credit

Prerequisite: None

Required: No

Forensics is the application of science for solving crimes. This is a course rich in exploration and lab investigation which applies many disciplines of scientific study such as biology / anatomy, chemistry, and physics to solve crimes.

Social Studies

7th GRADE HISTORY – HST7 WORLD CIVILIZATION

Grades: 7

Prerequisite:

Required: Yes

This course concentrates on the various political, social, economic, and cultural systems of the world's main civilizations. Students will look at the beginnings of civilization, the migration of people, ideas, and technologies along trade routes. This course also examines the main religions of the world.

8th GRADE HISTORY – HIS8 US HISTORY UP TO 1877

Grades: 8

Prerequisite:

Required: Yes

This class explores the growth and development of the United States up to the end of Reconstruction (1877). Interlaced with themes of geography, US History will take a look at early times, areas, and the development of our country. The different regions of the country, as well as human diversity/culture, are explored.

US HISTORY/GEOGRAPHY – C216

Grades: 10

1 Credit

Prerequisite:

Required: Yes

High school U.S. History surveys American history from post-civil war industrialization to the present. We start with a brief overview of early American history, then focus on The Development of the Industrial United States (1870-1900), the Emergence of Modern America (1890-1930), The Great Depression and World War II (1929-1945), Post-War United States (1945-1970), and contemporary United States (1968-present). We will explore the economic, social, geographic, and political aspects of each era, staying grounded by consistently asking three questions: What happened? Why did it happen? How does it impact me today?

WORLD HISTORY/GEOGRAPHY – C215

Grades: 9

1 Credit

Prerequisite:

Required: Yes

High school World History takes us on a journey through all of history. We will begin at the foundations of civilization and end with a look at the Industrial Revolution and its global impacts. Along the way, we will examine the great early civilizations such as the Egyptians, the Greeks, and the Romans. We will see how modern nations have formed, and why we are so much more interconnected globally than ever before. Throughout each time period, we will study the social, economic, geographical, and political aspects of each culture we encounter.

AMERICAN GOVERNMENT/ECONOMICS – C233

Grades: 11-12

1 Credit

Prerequisite: US or World History

Required: Yes

American Government / Economics examines the interaction of the three branches of the federal government, along with the interaction of the federal government with state and local governments, in order to provide practical knowledge of the impact of the government on its citizens. Economic concepts and issues will be interwoven into units of study as they relate to the government's role in steering the economy through public policy. In addition, the course is also designed to prepare students with practical decision-making skills related to current political and economic issues.

US MILITARY HISTORY – C254

Grades: 9-12

1 Credit

Prerequisite: None

Required: No

The course traces the origins of the American military from Anglo-American colonial warfare to the present, including America's major wars, and the evolution of military technology and strategic level planning. The course also looks at changes to the American culture as a result of war.

CONTEMPORARY GLOBAL ISSUES – C253

Grades: 9-12

1 Credit

Prerequisite: None

Required: No

Contemporary Global Issues introduces students to various issues facing the world today. Students will explore global economic systems, human rights, world health, environmental issues, and the role of the United States and the United Nations in the ever-changing age of globalization. This class is designed to eliminate much of the confusion surrounding these issues by connecting their historical roots to current events. Contemporary Global Issues will allow students to form their own opinions on matters that affect their world. Students will evaluate the issues and propose solutions from a variety of perspectives. This course will contain a heavy literacy component, with both reading and writing requirements.

MICROECONOMICS – C220

Grades: 9-12

0.5 Credit

Prerequisite: None

Required: No

MicroEconomics prepares students to analyze the forces of scarcity, choice, supply, and demand as they relate to the behavior of individuals in the marketplace. In addition, the course will introduce the basics of personal financial decision-making in terms of saving and investing.

LOCAL HISTORY – C236

Grades: 9-12

0.5 Credit

Prerequisite: None

Required: No

State and Local History is a one-half credit elective, social studies course. The course will trace the main eras of U.S. History first from a national perspective, then by studying the changes in each era in terms of how they impacted Michigan, Southwestern Michigan,

and St. Joseph County. Special emphasis will be placed on research, as well as on the analysis of primary sources and material culture.

PSYCHOLOGY – C232

Grades: 10-12

1 Credit

Prerequisite: None

Required: No

Psychology is the study of human behavior. Using a practical approach, the course will utilize academic psychology topics such as research methods, learning theory, abnormal psychology, human development, social psychology, and memory to provide applicable real-world tools for adulthood.

SOCIOLOGY – C231

Grades: 10-12

1 Credit

Prerequisite: None

Required: No

Sociology is about people and how they act, react, and interact in everyday life and under extraordinary circumstances. Sociology can help us view our own lives within a larger social and historical context. It can give us insights into how our social environment shapes us and how we, in turn, can shape our social environment. It can help us to empathize with the lives of other people and lead to a better understanding among human beings.

MATERIAL CULTURE STUDIES – C248

Grades: 9-12

½ Credit

Prerequisite: None

Required: No

Material Culture Studies is a semester elective course in the analysis, use, and replication of material culture items from American and World History. The course will explore the skills and materials that were used historically. A special emphasis will be made to build and preserve the skills that surround material culture items.

Dual Enrollment and Early Middle College Considerations

- Academic support from Centreville Jr./Sr. High School for dual-enrolled students is extremely limited.
- Information regarding academic standing is shared with Centreville Jr./Sr. High School only at midterms, only if the grade is below a 2.0, and when the course is complete.
- Very few teachers/professors at Glen Oaks Community College communicate student concerns, academic or otherwise, to Centreville Jr./Sr. High School.
- Centreville Jr./Sr. High School does not have access to any technology or online systems used by Glen Oaks Community College.
- Students that do not successfully complete courses at Glen Oaks Community College are required to reimburse Centreville Jr./Sr. High School for the courses.
- Students need to be aware of deadlines, drop dates, and school calendar for classes at Glen Oaks Community College.
- Failed classes/final grades at Glen Oaks Community College will impact your academic standing at the college level and potentially impact your ability to graduate from Centreville Jr./Sr. High School.
- Communication to students is through email and the MYGOCC platform. Glen Oaks Community College does not mail schedules or grades.
- Glen Oaks Community College uses a platform called CANVAS for grades and assignments and only students are provided access.
- Motivation, self-reliance, responsibility, and determination are key aspects of being successful as much as the academic ability.

Additional Dual Enrollment Information

Dual Enrollment (DE) students are enrolled in high school classes and enrolled in college classes at Glen Oaks Community College (GOCC).

- Students can take a maximum of 10 DE classes during their high school career.

- Transcripts are given to GOCC and English grades are used as a measure to place students in classes. A grade of a B or higher is needed for most classes. If a student has a grade lower than a B, an Accuplacer test can be arranged through GOCC to test into classes.
- Students complete a Student Agreement and other electronic forms.
- Advisors from GOCC will then meet with students in March or April to register for fall classes. As juniors, most of the classes they will take will be in the afternoon since their required classes for high school graduation credit meet in the morning.
- Classes can count for HS credit if they wish. Students need to make a decision on counting the class for credit before the class begins. If they do count it, it goes on their transcript and will affect their GPA. If they do not count it, it will go on their transcript but will not affect their GPA.
- Parents complete a Parent Agreement that they will need to access on the GOCC website. Your student will be able to show you this information.
- Students pick up and return books to The Oaks Bookstore. Some books may be at Centreville.
- Advisors will come again in October or November to register your student for classes for the winter.
- Tuition, books, and fees are covered by the school. However, there are some circumstances in which the student/family would need to pay, such as reimbursement of tuition for failed courses, and/or late book returns, to name a few.
- Students provide their own transportation.

Career Technical Information

Career and Technical Education (CTE) specialized classes offered at Centreville or at offsite locations.

- All sophomores attend CTE Exploration Day, usually in February, which exposes them to each program offered by the Intermediate School District (ISD).
- Interested students then apply online to choose the top two classes they would like to take in the fall.

- Classes are held in the afternoon with transportation being provided. Students are able to drive themselves and CTE rules are enforced.
- Students can take the same class both their junior and senior year or they can take a different class their senior year. Changing classes mid-year is very limited, due to the nature of the CTE classes.

Early Middle College (EMC) Program

Overview

Early Middle College (EMC) is a five-year high school program designed and delivered through a collaborative partnership with Centreville, Glen Oaks Community College, and the St. Joseph ISD combining high school graduation requirements and a college experience. Students are enrolled in both high school and college and will earn both a high school diploma and an associates' degree or certificate in their 13th year.

Program Design

Students will make a gradual transition from traditional high school to full-time college over the course of three to four years. Students can enroll as early as their freshman year but typically start to take classes starting their sophomore or junior year and continue for an additional year, the 13th year. At the conclusion of the program, students will earn a high school diploma, an associates' degree, an occupational certificate, 60+ transferable credits, or a MEMCA Certificate.

Enrollment Process:

- Students who are considering enrolling in EMC should be motivated, responsible, and dedicated to successfully completing coursework at both the high school and college levels.
- Applications are accepted during the 9th or 10th-grade year from September 1 - May 31.
- Students MUST be accepted into EMC before beginning their junior year.
- Students MUST attend a Boot Camp as an orientation process to familiarize and understand college expectations.
- Contact the high school counselor to start the process or get more information.

Additional Early Middle College Information

Early Middle College (EMC) students are enrolled in high school for a 13th year. Students earn an Associates' Degree or Certificate at the same time as earning a high school diploma. Students must enroll before the beginning of their junior year. Open enrollment ends May 27th, 2022.

- Parents and students complete enrollment information on the GOCC website.
- Transcripts are given to GOCC and English grades are used as a measure to place students in classes. A grade of a B or higher is needed for most classes. If a student has a grade lower than a B, an Accuplacer test can be arranged through GOCC to test into classes.
- Students attend Boot Camp, three days in July, to become familiar with expectations of a college student and general preparation of the program for the years they are involved at GOCC.
- Students will meet with Anita Schlabach, director of EMC at GOCC, to complete an Educational Development Plan (EDP) which lays out the courses students will take through their 13th year.
- Students will walk with their class at graduation but they will not receive their diploma until the following year when they complete their degree/certificate.
- Students are expected to be committed to the program and complete their 13th year. Withdrawing from the program is granted under a few extenuating circumstances.
- Students pick up and return books to The Oaks Bookstore. Some books may be at Centreville.
- Tuition, books, and fees are covered by the school. However, there are some circumstances in which the student/family would need to pay, such as reimbursement of tuition for failed courses and/or late book returns, to name a few.
- Students provide their own transportation.

Summary of Course Offerings

Number of Credits Per Class in Parenthesis

English Language Arts
ENG7 English 7
ENG8 English 8
#B113 English I (1)
#B123 English II (1)
#B133 English III (1)
#B143 English IV (1)
#B187 Literature through Film (1)
#B142 Writing for Broadcasting (1)
#X880 Language Arts Strategies (1)
#B140 Yearbook (1)

Enrichment
Enrichment (.25)

Fine and Performing Arts
#L499 Art 1 (1)
#L509 Advanced Art (1)
#J613 Band (1)
#L529 Ceramics (1)
#J616 Choir (1)
#L525 Arts in Public Spaces (1)
#J222 Music Appreciation (1)

Foreign Language
#F713 Spanish I (1)
#F723 Spanish II (1)

Leadership
#X860 Student Leadership

Mathematics
#Mat7 Math 7
#Mat8 Math 8
#E314 Algebra I (1)
#E327 Geometry (1)
#E315 Algebra II (1)
#E316 Precalculus (1)
#E559 Personal Finance (1)
#E435 Probability and Statistics (1)

Physical Education / Health
#M113 Physical Education (.5)
#M119 Advanced Physical Education (.5)

#M176 Power Training (1)
#M113 Health (.5)

Science
#SCI7 7th Grade Science
#SCI8 8th Grade Science
#XSC8 8th Grade Science Exploratory
#D413 Physical Science (1)
#D423 Biology (1)
#D437 Chemistry (1)
#D447 Physics (1)
#D419 Astronomy (1)
#D425 Ecology (1)
#H913 Introduction to Agriscience and Natural Resources (1)

Social Studies
#HST7 7th Grade History
#HIS8 8th Grade History (US History up to 1877)
#C216 US History/Geography (1)
#C215 World History/Geography (1)
#C233 American Government/Economics (1)
#C254 US Military History (1)
#C253 Contemporary Global Issues (1)
#C220 Microeconomics (.5)
#C236 Local History (.5)
#C232 Psychology (1)

Career Technical Education (CTE)
#V908 Agriscience I (3)
#V910 Agriscience II (3)
#V904 Automotive Technologies (3)
#V906 Automotive Technologies II (3)
#V912 Computer Aided-Design I (3)
#V914 Computer Aided-Design II (3)
#V920 Computer Networking I (3)
#V922 Computer Networking II (3)
#V916 Construction Trades I (3)
#V918 Construction Trades II (3)
#V929 Graphic Design I (3)
#V931 Graphic Design II (3)
#V943 Manufacturing I (3)
#V945 Manufacturing II (3)
#V933 Marketing I (3)
#V935 Marketing II (3)
#V900 Medical Occupations I (3)
#V902 Medical Occupations II (3)
#V937 Welding Technologies I (3)
#V939 Welding Technologies II (3)

IT IS THE POLICY OF CENTREVILLE PUBLIC SCHOOLS THAT NO PERSON ON THE BASIS OF RACE, COLOR, RELIGION, NATIONAL ORIGIN OR ANCESTRY, AGE, GENDER, MARITAL STATUS, OR HANDICAP, WILL BE DISCRIMINATED AGAINST, EXCLUDED FROM PARTICIPATION IN, DENIED THE BENEFITS OF, OR OTHERWISE BE SUBJECTED, TO, DISCRIMINATION IN ANY PROGRAM OR ACTIVITY TO WHICH IT IS RESPONSIBLE, OR FOR WHICH IT RECEIVED FINANCIAL ASSISTANCE FROM THE MICHIGAN DEPARTMENT OF EDUCATION.