



Crown Point High School

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www.cps.k12.in.us/cphs



2022-2023

9th Grade COURSE SELECTION GUIDE

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Key:

DC	=	Dual Credit
CTL	=	Core Transfer Library (www.transferin.net)
Online	=	Online Course
IUB	=	Indiana University Bloomington
IUPUI	=	Indiana University Purdue University Indianapolis
IVY	=	Ivy Tech Community College
PNW	=	Purdue Northwest
USI	=	University of Southern Indiana
VU	=	Vincennes University

* = Dual Credit (DC) pending post-secondary partner approval and/or CPHS credentialing; DC course partnership/offering(s) listed in this course selection guide are subject to change and requirements (GPA, grade level...) may need to be met in order to be eligible to earn dual credits.

New 9th Grade Courses and Titles

- Principles of Broadcasting – Replaces Principles of Radio/TV
- Principles of Culinary and Hospitality – Replaces Intro to Culinary
- Principles of Business Management – Replaces Principles of Business
- Principles of Teaching – Replaces Adv Child Development

COURSE DESCRIPTIONS

ART DEPARTMENT

INTRODUCTION TO 2D ART/ADV 2D ART (CHOOSE BOTH COURSES)

2 semesters, 2 credits**Prerequisites:** None**Grade(s):** 9,10,11,12

Introduction/Adv. 2-D Art will prepare the student for success in CPHS advanced Art classes. This course is also a beginning visual art course for the student who is seeking a well-rounded introduction to visual arts with an academic approach. This course provides the students with opportunities to: explore art history; understand and apply the Elements of Art and Principles of Design; create meaningful artworks that investigate multiple methods, materials and techniques; compose thoughtful written critiques; and use visual thinking skills to discuss the aesthetic nature of art. Emphasis will be placed on students developing visual awareness and craftsmanship as it relates to their artwork. This course will provide an overview of digital portfolio development of prior learning and on-going learning in the visual arts.

INTRODUCTION TO 3-D ART

1 semester, 1 credit**Prerequisites:** None**Grade(s):** 9, 10,11,12

This is an introductory art class concentrating on 3-D artworks dealing with height, width and depth. Students will exclusively produce works of art using a variety of three-dimensional medium with a concentration on relief sculptures and sculptures in the round. This course provides students with opportunities involving the additive and subtractive methods of 3-D production. Students will experiment with numerous methods, techniques and materials such as: printmaking, balsa foam, plaster, wire, clay, glass etching, mixed medium, recycled materials, tie-dye, etc. Sequential learning experiences that encompass the Elements of Art and Principles of Design as well as art history, cultures, aesthetics and critique will be covered. This course will provide an overview of digital portfolio development of prior learning and on-going learning in the visual arts.

BUSINESS DEPARTMENT



****CTE Concentrator Pathway cohorts 2025+****

PRINCIPLES OF COMPUTING

2 semesters, 2 credits

Prerequisites: Algebra I is highly recommended

Grade(s): 9, 10, 11, and 12

Computer Science Principles curriculum is a full-year, engaging, entry-level course that introduces high school students to the foundations of modern computing. The course covers a broad range of topics such as *programming to design an App*, the *Internet*, *digital privacy and security*, the *societal impacts of computing*, and many more. Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology impact the world. This course explores many of the fundamental ideas of computing so all students can understand how these concepts are transforming the world we live in. While this is an introductory course, students have the ability to earn **AP** credit at the conclusion of the course if they choose to do so.

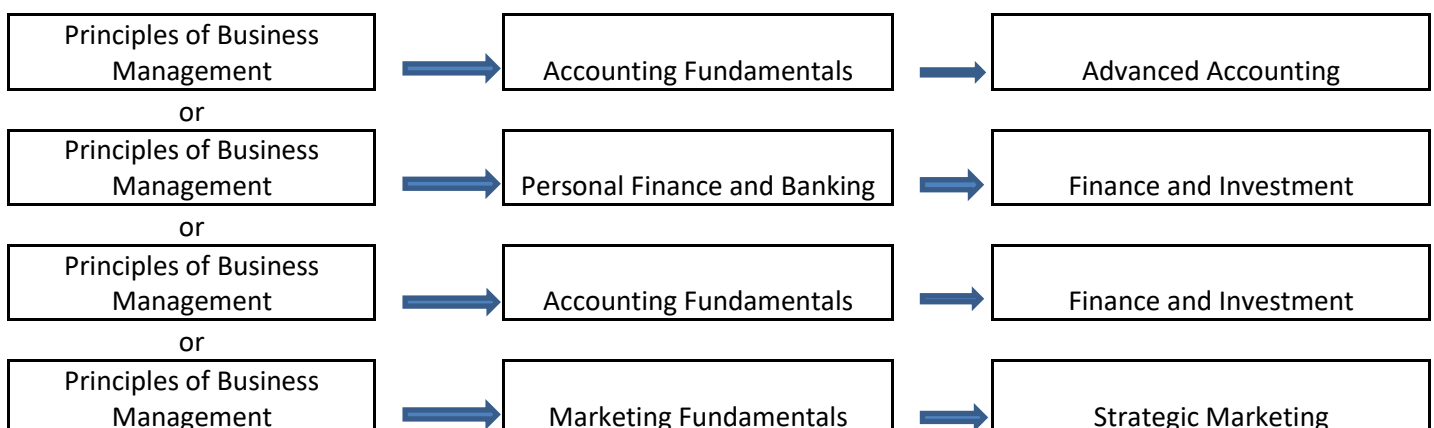
PREPARING FOR COLLEGE AND CAREERS

1 semester, 1 credit

Prerequisites: None

Grade(s): 9,10,11,12

College and Careers addresses essential knowledge, skills, and behaviors all students need to live successfully in today's world. The focus of the course is creating a career plan to help students focus on his/her future. Topics to be addressed include communication, leadership, and management processes; exploration of personal aptitudes, interests, principles, and goals; life and career exploration and planning; examining multiple life roles and responsibilities as individuals; planning and building employability skills; transferring school skills to life and work; decision making and organizational skills. Students will engage in career procurement processes and do a few classroom presentations. This is a foundational course designed to teach knowledge and life skills that are essential for ALL high school students regardless of their career cluster or pathway.



****CTE Concentrator Pathway cohorts 2025+****

PRINCIPLES OF BUSINESS MANAGEMENT**2 semesters, 2 credit****Prerequisites:** None**Grade(s):** 9,10,11,12

Principles of Business Management examines business ownership, organization principles and problems, management, control facilities, administration, financial management, and development practices of business enterprises. This course will also emphasize the identification and practice of the appropriate use of technology to communicate and solve business problems and aid in decision making. Attention will be given to developing business communication, problem-solving, and decision-making skills using spreadsheets, word processing, data management, and presentation software.

ENGLISH DEPARTMENT

SPEECH/DEBATE (COMPETITIVE)

1 semester, 1 credit**Prerequisite:** Commitment to compete in at least three Saturday tournaments**Grade Levels Offered:** 9, 10, 11, 12

This course is designed to prepare students for tournament competitions as a member of the CPHS Speech and Debate Team. Students are required to attend a minimum of three Saturday tournaments with the option to compete at up to 15 tournaments leading to the opportunity to compete at the state level. Students are introduced to all categories of competitive speech and debate before instruction is individualized based on category. Speech competitors choose from impromptu/extemporaneous speaking, informative speaking, original oratory, poetry, prose, dramatic/humorous interpretation, radio broadcast, or group discussion. Debaters choose from congress, world schools team, public forum, policy, or Lincoln-Douglas. Students should take this course first semester to prepare for events. Competitors may renew the course for second semester to continue skill development in varsity tournaments.

ENGLISH 9

2 semesters, 2 credits**Prerequisites:** None**Grade(s):** 9

This course integrates the study of grammar, composition, word origin, vocabulary, and literature. It emphasizes oral presentation as well as reading, writing, discussing, and listening activities to develop thinking skills. Students read novels, short stories, essays, nonfiction, poetry, a Shakespearean play, and epic poetry. Students will learn the proper writing process, master paragraph development; reinforce skills and language arts academic standards.

ENGLISH 9 HONORS

2 semesters, 2 credits**Prerequisites:** Testing/Teacher Rec.**Grade(s):** 9

Requiring an advanced reading level and solid knowledge of grammatical conventions, this rigorous course begins to prepare students for Advanced Placement English. Students will develop and apply analytical thinking, writing, and communication skills to engage in active, high-level learning. Participation in the classroom discussion is expected. Formal expository writing and higher-level thinking skills are utilized to analyze all genres of literature. Word-processing and presentation skills are reinforced through the use of computer software. Students will be expected to work independently and outside of class on a variety of assignments and projects. **Summer reading is required.**

DEBATE

1 semester, 1 credit**Prerequisites:** None**Grade(s):** 9,10,11,12

This semester elective course introduces students to the basic principles involved in debate including public speaking delivery techniques, research strategies to support arguments, active listening skills to enable strategic responses, and creative writing techniques to inform or persuade an audience. Students will also examine how the media purposefully include or exclude information to sway public opinions.

JOURNALISM/ADV JOURNALISM

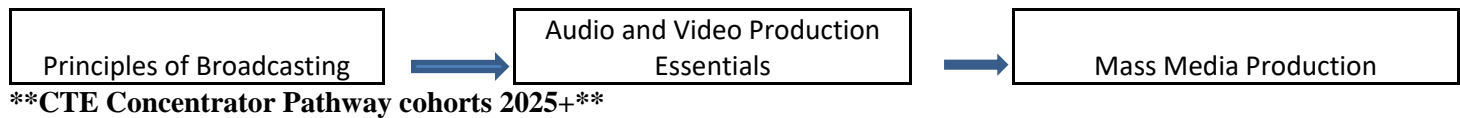
2 semesters, 2 credits**Prerequisites:** Teacher Rec.**Grade(s):** 9,10,11,12

This elective course is for the student with strong English skills who enjoys writing, reading and learning about current news events. This course includes the process and application of news gathering; reporting, writing, and editing news stories along with features, sports stories, and opinion writing; the legal and ethical responsibilities involved in publication; advertising; design; and computer technology. This class is a prerequisite for those students who plan to join the newspaper staff, the Inklings.

PHOTOJOURNALISM

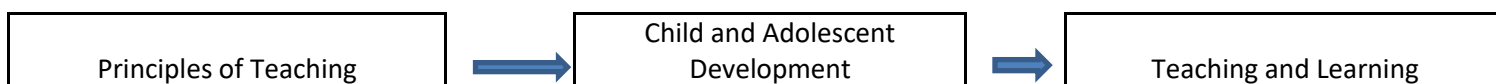
1 semester, 1 credit**Required Material:** Digital Camera**Grade(s):** 9,10,11,12

This course will introduce students to the world of photography and journalism. The law, ethics and history of photography will complement the major units of study: operation and care of the camera, photo composition, journalistic photography form and function, photo manipulation, caption writing and management skills. Students will use Adobe Photoshop, the photo editing industry leader. This course is the pre-requisite to yearbook production. The students will create a photo portfolio which then may be used for application submissions and various photo contests and/or scholarships. Each student is required to have access to a working camera throughout the semester. Cell phone cameras are acceptable.

**PRINCIPLES OF BROADCASTING** (Formerly Radio and TV I)**2 semesters, 2 credits****Prerequisites:** None**Grade(s):** 9,10,11,12

Principles of Radio & TV provides an introduction to the fundamentals of digital production. Students will develop basic skills in digital production techniques for audio, video, studio, and field production. Provides a framework for the practical applications required to operate in front of the camera/mic and in the production field of TV and radio. Students will learn how to operate all TV and radio studio equipment and perform as talent in both mediums. Students will learn the basic operations of a radio station including programming; writing; recording, interviewing, editing, and announcing skills. Students will learn about TV production including direction, camera techniques, lighting and sound techniques, stand up talent, and editing techniques. The emphasis will be on producing short video segments using TV field production techniques and design principles. Students will research, conduct interviews, write scripts, provide talent, and edit news segments. Students will also listen to and analyze professional programs, learn about the different types of TV & radio programming, the evolution of TV & radio, and challenges of working in the profession. This course is designed primarily for 9th - 12th grade students as a means to provide broadcasting skills and serves as a prerequisite to the DC Radio & TV II course.

FAMILY & CONSUMER SCIENCE DEPARTMENT (FACS)



****CTE Concentrator Pathway cohorts 2025+****

ADV CHILD DEVELOPMENT (Cohort 2023 & 2024)/Principles of Teaching (Cohorts 2025+)

2 semesters, 2 credits

Prerequisites: None

Grade(s): 9, 10, 11,12

Adv. Development and Parenting addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children. The social, emotional, and physical growth of children plus parenting skills will be covered. A laboratory pre-school is a part of the learning experience each semester. Second semester addresses more complex issues of child development and early childhood education with emphasis on guiding development throughout childhood, including school age children. Topics include positive parenting, practices that promote long term well-being, guidance and intervention strategies with individual and groups of children. Students will explore child-related careers. Authentic applications are required through school-based experiences with children. This course is recommended for any student for enrichment and as a foundation for students with interest in any child-related career or profession

INTERPERSONAL RELATIONSHIPS

1 semester, 1 credit

Prerequisites: None

Grade(s): 9,10,11,12

Interpersonal Relationships is for anyone who wants to learn how to have better relationships with parents, siblings, friends, and/or co-workers. Interpersonal Relationships addresses the knowledge, skills, attitudes and behaviors all students need to participate in positive, caring, and respectful relationships. A project-based approach that utilizes higher order thinking, communication, leadership, and management processes is used. Topics include communication, leadership and teamwork, goal setting and decision making, preventing and managing stress and conflict. Students will learn through group activities, projects, guest speakers, lectures, literature, movies, and applications through authentic settings such as volunteer experiences.

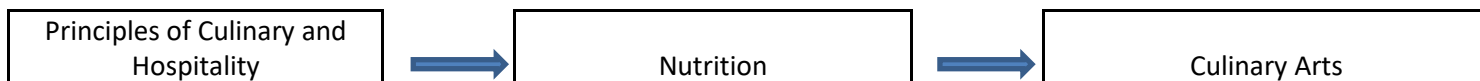
ADV CHILD DEVELOPMENT (Cohort 2023 & 2024)/Principles of Teaching (Cohorts 2025+)

2 semesters, 2 credits

Prerequisites: None

Grade(s): 9, 10, 11,12

Adv. Development and Parenting addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children. The social, emotional, and physical growth of children plus parenting skills will be covered. A laboratory pre-school is a part of the learning experience each semester. Second semester addresses more complex issues of child development and early childhood education with emphasis on guiding development throughout childhood, including school age children. Topics include positive parenting, practices that promote long term well-being, guidance and intervention strategies with individual and groups of children. Students will explore child-related careers. Authentic applications are required through school-based experiences with children. This course is recommended for any student for enrichment and as a foundation for students with interest in any child-related career or profession



****CTE Concentrator Pathway cohorts 2025+****

Principles of Culinary and Hospitality

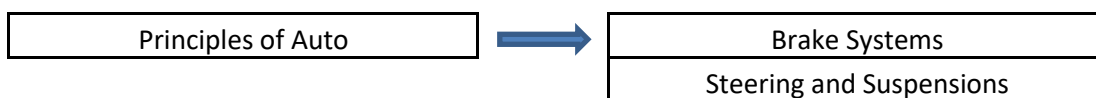
2 semesters, 2 credits

Prerequisites: None

Grade(s): 9,10,11,12

Principles of Culinary Arts and Hospitality is recommended for all students pursuing a graduation pathway in Culinary Arts. It is especially appropriate for students with an interest in careers related to Hospitality, Tourism, and Culinary Arts. A project-based approach that utilizes higher order thinking, communication, leadership, and management processes is recommended. Topics include basic culinary skills in the foodservice industry, safety and sanitation, nutrition, customer relations and career investigation. Students are able to explore this industry and examine their own career goals in light of their findings. Laboratory experiences that emphasize industry practices and develop basic skills are required components of this course.

INDUSTRIAL TECHNOLOGY DEPARTMENT



****CTE Concentrator Pathway cohorts 2025+****

DC PRINCIPLES OF AUTOMOTIVE SERVICES IVY & UTI**2 semesters, 2 credits****Prerequisites:** None**Grade(s):** 9,10,11,12

This course gives students an overview of the operating and general maintenance systems of the modern automobile. Students will be introduced to the safety and operation of equipment and tools used in the automotive industry. Students will study the maintenance and light repair of automotive systems. Also, this course gives students an overview of the electrical operating systems of the modern automobile. Students will be introduced to the safety and operation of equipment and tools used in the electrical diagnosis and repair in the automotive electrical industry. Students will study the fundamentals of electricity and automotive electronics. Students opting for the dual credit option must apply to Ivy Tech and tuition is free. Student grades will be reflected on both the CPHS transcript and Ivy Tech transcript (AUTI 100, 111, 121).

****CTE Concentrator Pathway cohorts 2025+******DC PRINCIPLES OF DIGITAL DESIGN**

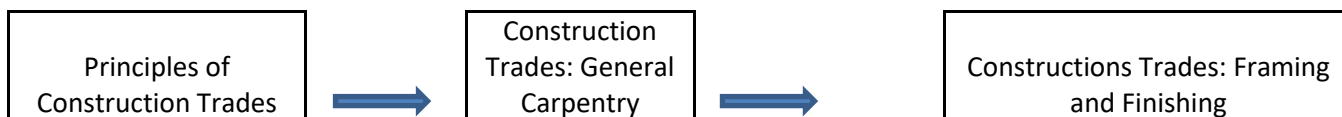
IVY (Formerly Graphic Imaging I)

2 semesters, 2 credits**Prerequisites:** None**Grade(s):** 9,10,11,12

This course introduces students to fundamental design theory and fundamental computer graphics in visual communications. Investigations into design theory and color dynamics will provide experiences in applying design theory, ideas and creative problem solving, critical peer evaluation, and presentation skills. This course will include basic computer terminology and use, mastering fundamental skills, and developing efficient working styles. These skills are further developed through work with vector-based, raster-based, and page layout software used in the professional visual communications industry. Students opting for the dual credit option must apply to Ivy Tech and the tuition is free. Student grades will be reflected on both the CPHS transcript and Ivy Tech transcript

****CTE Concentrator Pathway cohorts 2025+******DC PRINCIPLES OF PRECISION MACHINING (1 HR)** VU**2 semesters, 2 credits****Prerequisites:** None**Grade(s):** 9, 10, 11, 12

Precision Machining will instruct students in shop safety, industrial terminology, tools and machine tooling, measurement, and layout. Includes laboratory exercises to begin project completion of turning, milling, and grinding applications. This course incorporates certification assessment for the National Institute of Metalworking Skills Measurement, Materials and Safety, Job Planning, Bench work, and Layout Certification. Applies mathematics in solving engineering and design related problems in the areas of die design, fabrication, assembly, special machinery, die casting and molds. Emphasizes geometric dimensioning and applying tolerances.



****CTE Concentrator Pathway cohorts 2025+****

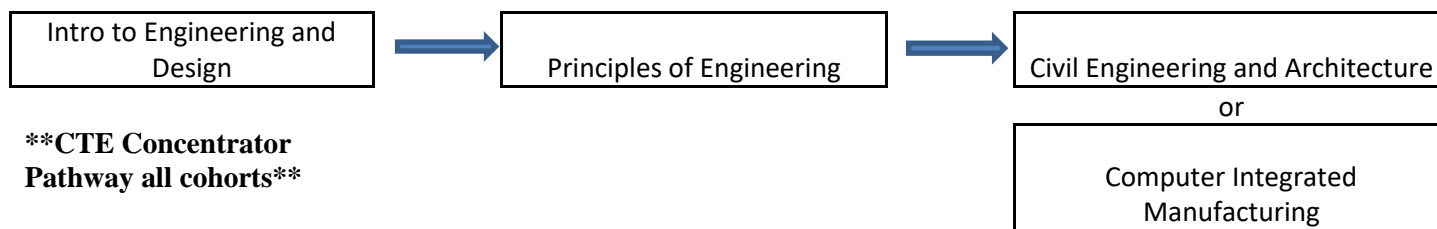
PRINCIPLES OF CONSTRUCTION TRADES

2 semesters, 2 credits

Prerequisites: None

Grade(s): 9,10,11,12

Principles of Construction Trades covers the NCCER Core Curriculum and is a prerequisite to most other construction courses. Its modules cover topics such as basic safety, communication skills, and introduction to construction drawings; all basic skills needed to continue education in the construction program.



****CTE Concentrator
Pathway all cohorts****

DC INTRODUCTION TO ENGINEERING & DESIGN (IED) IVY

2 semesters, 2 credits

Prerequisites: None

Grade(s): 9,10,11,12

Introduction to Engineering Design is a course that develops student problem solving skills using the design process. Students document their progress of solutions as they move through the design process. Students develop solutions using elements of design and manufacturability concepts. Students develop hand sketches using 2D and 3D drawing techniques by using Computer Aided Design (CAD). Students opting for the dual credit option must apply to Ivy Tech and the tuition is free. Student grades will be reflected on both the CPHS transcript and Ivy Tech transcript.

MATH DEPARTMENT

ALGEBRA I

2 semesters, 2 credits

Prerequisites: None

Grade(s): 9

Algebra I provides a formal development of the algebraic skill and concepts necessary for students who will take other advanced college-preparatory courses. In particular, the instructional program in this course provides for the use of algebraic skills in a wide range of problem solving situations. Topics include: properties of real numbers, solution sets, basic operations with polynomials, solving quadratic equations and systems, use of exponents.

GEOMETRY

2 semesters, 2 credits

Prerequisites: Algebra

Grade(s): 10,11,12

Geometry provides students with experiences that deepen the understanding of shapes and their properties. Deductive and inductive reasoning as well as investigative strategies in drawing conclusions are stressed. Properties and relationships of geometric figures include the study of angles, lines, planes, congruent and similar triangles, trigonometric ratios, polygons, circles and spatial drawings. An understanding of proof and logic is developed.

GEOMETRY HONORS

2 semesters, 2 credits

Prerequisites: Algebra I

Grade(s): 9,10 (with teacher rec.)

This course features the same concepts as Geometry but with greater depth and enrichment.

PERFORMING ARTS DEPARTMENT

BEGINNING TREBLE CHOIR

2 semesters, 2 credits**Prerequisites:** None**Grade(s):** 9,10,11,12

This course is open to treble voices in grades 9-12 who are taking choir for the first time in high school. Students will learn correct breathing and choral singing technique, sing in 3-4 parts, as well as learn music literacy and music theory. Students are required to perform at our 4 concerts during the year and will have opportunities to be a part of solo and ensemble and after school groups.

BEGINNING/INTERMEDIATE BASS CHOIR

2 semesters, 2 credits**Prerequisites:** None**Grade(s):** 9,10,11,12

This course is open to anyone who is taking choir for the first time in high school or is not ready for the Advanced/Mixed groups. Students will learn correct breathing and choral singing technique, sing in 3-4 parts, as well as learn music literacy and music theory. Students are required to perform at our 4 concerts during the year and will have opportunities to be a part of solo and ensemble and after school groups.

BEGINNING ORCHESTRA

2 semesters, 2 credits**Prerequisites:** Successful completion of middle school orchestra or director discretion**Grade(s):** 9,10,11,12

Beginning Orchestra is an introduction to more advanced playing concepts. Students enrolled in Beginning Orchestra would focus on continued development of technique. Concepts covered in this class would include two and three octave scales and arpeggios, shifting to and from higher and lower positions, reading literature in treble and tenor clef, rhythm and bowing studies, and musical styles. Additional concepts presented in this course would include studies in various time signatures, developing and performing with good intonation and different bow techniques. The class would demonstrate musical growth through concerts and performances.

INTERMEDIATE ORCHESTRA

2 semesters, 2 credits**Prerequisites:** Audition or director discretion**Grade(s):** 9,10,11,12

Students in this class continue to build on the technical and musical skills developed in elementary and middle school string classes. In addition to an emphasis on new techniques and musical knowledge, string ensemble literature of various styles are prepared and performed. Students are expected to participate in several performances and rehearsals outside the school day. This class is open to violin, viola, cello, and string bass students with prior playing experience.

BEGINNING CONCERT BAND

2 semesters, 2 credits**Prerequisites:** Successful completion of Middle School Band or Instructor Approval**Grade(s):** 9

This developmental course is open to all freshmen students who play a band instrument at an intermediate level. Emphasis is placed on tone, technique development and sight reading. Participation in the ISSMA Solo/Ensemble contest is encouraged. The band performs several times during the year. Students in this band are eligible to participate in marching band (sign up in March of 8th grade), jazz band (audition in October) or pep band (sign up in October).

INTERMEDIATE CONCERT BAND A

2 semesters, 2 credits**Prerequisites:** Audition/Director Discretion**Grade(s):** 9,10,11,12

Course Description: *Wind Symphony*. This advanced band class is available by audition, or director discretion, to CPHS students who play a band instrument at an upper intermediate to advanced level. Emphasis is placed on tone, technique development and sight-reading. Advanced performance techniques are emphasized. Participation in the ISSMA Solo/Ensemble contest is encouraged. Serious band literature is selected from a variety of periods in music history. Private lessons are highly encouraged. Students in this band are eligible to participate in marching band (sign up in March), jazz band (audition in October) or pep band (sign up in October).

INTERMEDIATE CONCERT BAND B**2 semesters, 2 credits****Prerequisites:** Any CPHS Band/Director Discretion**Grade(s):** 9,10,11,12

Course Description: *Symphonic Band*. This band class is open to all CPHS students who play a band instrument at an intermediate proficiency or better. Emphasis is placed on tone, technique development and sight reading. Participation in the ISSMA Solo/Ensemble contest is encouraged. The band performs several times during the year. Students in this band are eligible to participate in marching band (sign up in March), jazz band (audition in October) or pep band (sign up in October).

ADVANCED CONCERT BAND**2 semesters, 2 credits****Prerequisites:** Audition/Director Discretion**Grade(s):** 9,10,11,12

Course Description: *Wind Ensemble*. This advanced band is considered the top concert band at CPHS. The band represents Crown Point High School in public performances and competitions. Advanced performance techniques are emphasized. Serious band literature is selected from a variety of periods of music history. Private lessons are strongly encouraged. All State Band participation is highly encouraged. This ensemble typically performs more concerts than other CPHS Concert Bands. Students in this band are eligible to participate in marching band (sign up in March), jazz band (audition in October) or pep band (sign up in October).

THEATRE ARTS**1 semester, 1 credit****Prerequisites:** None**Grade(s):** 9,10,11,12

Students taking Theatre Arts will gain knowledge and develop skills important to any beginning actor. Acting activities will include scripts reading and analysis, rehearsal, scene workshops, peer critique, and final performance. Students will hone their acting skills through multiple scene projects, theatre games, and improvisational games. Emphasis will also be placed on students learning about the history of theatre and play production.

ADVANCED THEATRE ARTS**1 semester, 1 credit****Prerequisites:** Theatre Arts**Grade(s):** 9,10,11,12

Instruction in this course builds upon the skills developed in the Theatre Arts course. Students will begin to explore the acting technique (audition, rehearsal, and performance) of Michael Shurtleff. They will apply their knowledge as they perform in several scenes. Students will also have the opportunity to study three classic plays. Emphasis will also be placed on studying other acting techniques by many famous teachers including Constantin Stanislavski, Lee Strasberg, and Stella Adler. Students will also gain experience in performance through theatre games and improvisational games. If the opportunity arises, students may have the opportunity to see quality local theatre. Participation in all acting projects is required.

PHYSICAL EDUCATION DEPARTMENT

PE I and PE II (Must take both titles)

2 semesters, 2 credits**Prerequisites:** None**Grade(s):** 9,10,11,12

Secondary Physical Education continues the emphasis on health-related fitness, and developing the skills necessary for lifetime of activity. The program includes skill development and application of rules and strategies of complex difficulty in different movement forms. This includes health-related fitness activities (cardio respiratory endurance, muscular, strength and endurance, flexibility, and body composition) aerobic exercise, team sports, individual and dual sports, outdoor pursuits, aquatics, dance, and recreational games. On-going assessment will include written and health related evaluations. Swimming is a required part of PE curriculum.

CORE PE-ATHLETIC DEVELOPMENT - 9

2 semesters, 2 credits**Prerequisites:** CPHS Athlete**Grade(s):** 9

The curriculum for this course is designed to enhance the fundamental athletic skills of CPHS athletes. Physical Education continues the emphasis on health-related fitness, and developing the skills necessary for lifetime of activity. The program includes skill development and strategies of complex difficulty in different movement forms. This includes health-related fitness activities, cardio respiratory endurance, muscular strength and endurance, flexibility, and body composition as well as development, agility, speed and power. This course is open to male and female students who are involved in a CPHS athletic team. Swimming is a required part of PE curriculum.

ADVANCED PE-LIFESAVING

1 semester, 1 credit**Prerequisites:** Core PE**Grade(s):** 9, 10,11,12

The purpose of this course is to instruct candidates the skills and knowledge needed to prevent and respond to aquatic emergencies. This course will permit a student to become a lifeguard and will also allow re- certification. It is designed to teach students advanced techniques in water rescue and leads to Red Cross certification in Advanced Lifesaving. NOTE: The fee for this class is relatively high due to the demands of the American Red Cross and required materials for certification. The student should be an avid and strong swimmer. The Red Cross certification requires a student to be able to swim 300 yards (12 lengths) in under 8 minutes. Other tests of a student's swimming ability may be utilized.

SCIENCE DEPARTMENT

BIOLOGY

2 semesters, 2 credits

Prerequisites: None

Grade(s): 9

Students will study the living things of our world. A major portion of time is spent on cell structure and function, the chemical makeup of living things, how traits are inherited, evolution or how living things change over time, growth of bacteria and other germs, how plants and animals interact with their environment, reproduction, and many other topics.

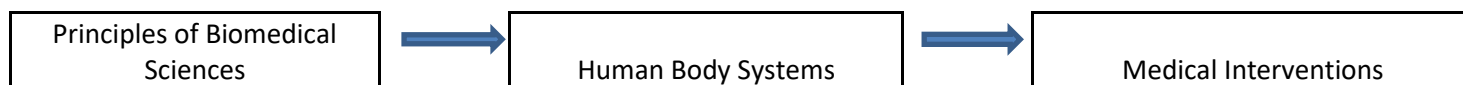
BIOLOGY HONORS

2 semesters, 2 credits

Prerequisites: Testing/Teacher Rec.

Grade(s): 9

This course follows the Pre-AP Biology topics as outlined by the College Board. The course includes an enriched curriculum and extensive lab work. Students will be taught content and asked to apply knowledge. The course will emphasize writing and analysis of concepts in lab documents and on assessments. This course will require that students be motivated and persistent in their study habits to handle the fast-paced instruction and rigor that is associated with an AP course yet at the introductory level; students in this course will need to practice and study outside of class.



****CTE Concentrator Pathway all cohorts****

PRINCIPLES OF THE BIOMEDICAL SCIENCES (PLTW)

2 semesters, 2 credits

Prerequisites: Biology or concurrently enrolled in Biology

Grade(s): 9,10,11,12

PLTW Principles of Biomedical is a hands-on project and problem-solving course. Student work involves the study of human medicine, research processes, and an introduction to bioinformatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, hypercholesterolemia, and infectious diseases. A theme through the course is to determine the factors that led to the death of a fictional person. After determining the factors of the death, the students investigate lifestyle choices and medical treatments that might have prolonged the person's life. Key concepts included are: homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease. The course is designed to provide an overview of all courses in the Biomedical program and to lay the scientific foundation necessary for student success in the subsequent courses.

PRINCIPLES OF THE BIOMEDICAL SCIENCES Honors (PLTW)

2 semesters, 2 credits

Prerequisites: Successful Completion of Biology at the 8th grade level

Grade(s): 9

PLTW Principles of Biomedical is a hands-on project and problem-solving course. Student work involves the study of human medicine, research processes, and an introduction to bioinformatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, hypercholesterolemia, and infectious diseases. A theme through the course is to determine the factors that led to the death of a fictional person. After determining the factors of the death, the students investigate lifestyle choices and medical treatments that might have prolonged the person's life. Key concepts included are: homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease. The course is designed to provide an overview of all courses in the Biomedical program and to lay the scientific foundation necessary for student success in the subsequent courses. There is added rigor and more deep dives into topics in comparison to Principles of Biomedical Sciences

SOCIAL STUDIES DEPARTMENT

GEOGRAPHY AND HISTORY OF THE WORLD

2 semesters, 2 credits**Prerequisites:** None**Grade(s):** 9

Geography and History of the World is designed to enable students to use geographical tools, skills and historical concepts to deepen their understanding of major global themes including the origin and spread of world religions, exploration, conquest, imperialism, urbanization, and innovations and revolutions.

AP HUMAN GEOGRAPHY

2 semesters, 2 credits**Prerequisites:** Testing/Teacher Rec.**Grade(s):** 9,10,11,12

The AP Human Geography class is a two semester course designed to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. The course will be developed around the five college level goals that build on the National Geography Standards developed in 1994. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by an introductory college course.

INDIANA STUDIES

1 semester, 1 credit**Prerequisites:** None**Grade(s):** 9, 10, 11, 12

Indiana Studies is an integrated course that compares and contrasts state and national developments in the areas of politics, economics, history, and culture. The course uses Indiana history as a basis for understanding current policies, practices, and state legislative procedures. It also includes the study of state and national constitutions from a historical perspective and as a current foundation of government. Examination of individual leaders and their roles in a democratic society will be included and student will examine the participation of citizens in the political process. Selections from Indiana arts and literature may also be analyzed for insights into historical events and cultural expressions.

ETHNIC STUDIES

1 semester, 1 credit**Prerequisites:** None**Grade(s):** 9, 10, 11, 12

Ethnic Studies provides opportunities to broaden students' perspectives concerning lifestyles and cultural patterns of ethnic groups in the United States. This course will either focus on a particular ethnic group or groups, or use a comparative approach to the study of patterns of cultural development, immigration, and assimilation, as well as the contributions of specific ethnic or cultural groups. The course may also include an analysis of the political impact of ethnic diversity in the United States.

WORLD LANGUAGES DEPARTMENT

FRENCH 1

2 semesters, 2 credits**Prerequisites:** None**Grade(s):** 9,10,11,12

Beginning French students are introduced to the language which focuses on: (1) Learning about authentic francophone situations; (2) Speaking and role-playing within those situations; and (3) Learning basic grammatical structures, including present, past, and future tenses. The major emphasis is on feeling comfortable and competent when communicating in French.

GERMAN 1

2 semesters, 2 credits**Prerequisites:** None**Grade(s):** 9,10,11,12

Students will learn to communicate in German from day one. An immersive environment and use of authentic German music, websites, social media and more will lead students to be able to comprehend and communicate in the target language while exploring the culture and perspectives of German speaking countries. Many themes are centered around the student such as their hobbies, school, family, pets, celebration of holidays and more. Students will be able to communicate their opinions and share information about themselves. Learning about German culture and comparing it to their own will also be a reoccurring theme. Students will also learn about German geography. Students will read at least one short level-appropriate novel in German.

LATIN 1

2 semesters, 2 credits**Prerequisites:** None**Grade(s):** 9,10,11,12

This class will introduce students to the Latin language and the ancient Roman world. Students will study and practice using the written grammatical structure of classical Latin as preparation for reading and discussing Latin literature written by ancient Roman authors. Students will study Latin vocabulary and English derivatives to help achieve this goal and improve their command of the English language. As part of this class, students will also study Greek and Roman mythology and the culture of the Romans.

SPANISH 1

2 semesters, 2 credits**Prerequisites:** None**Grade(s):** 9,10,11,12

This class provides students with basic conversation, reading, writing, and listening skills. Students must be willing to learn new vocabulary using a variety of student-centered activities. Sentence structures will be studied to help students use the language effectively. This course has activities and discussions which describe the way of life of people in Spanish-speaking countries. The geographical locations of the areas in the world where Spanish is spoken are studied as well. Information can be gained that will help students in travel, further study and career selection.