

9th Grade Program of Studies Revised

GENERAL INFORMATION

Lancaster High School offers over eighty courses grouped under fifteen departments. Theoretically, all classes are available to all students provided that the necessary prerequisites are fulfilled. However, some scheduling problems arise which make it impossible for a student to take a class which meets at the same time as another class. In such situations, the students must decide which class is more important, take that class or choose a substitute course to complete the schedule.

When choosing courses, students should pay particular attention to the requirements for graduation and the prerequisites of the course. Future schooling and potential occupational choices are also important factors to be considered when making course selection. Whatever schedule is selected, it should be the result of serious consideration made over a period of time. The choices are important. They should not be made hastily.

A. ACADEMIC CREDIT

Academic credit is awarded only when a student successfully completes a course with a grade of at least D-. School's passing mark: 60%. Failure in a required course necessitates the student's retaking the course and passing it before a diploma can be awarded. Failure in an elective course earns no credit, but retaking the course is not mandatory. All courses meeting daily carries one-half an academic credit per semester. The school day consists of an 8 period day. No courses offered before or after the school day. Courses not meeting daily carry partial academic credit. These courses and their credit value are as follows:

- 1) Band year one credit
- 2) Concert Choir year one credit
- 3) Chamber Singers year one credit

They can be taken all four years for credit.

B. GRADUATION REQUIREMENTS

Students must satisfy a total of 25 credits in order to graduate from Lancaster High School. Credits earned in grades 9-12 are counted.

Credits must be earned in the following subjects in order to meet graduation requirements:

- 4.0 Credits of English
- 3.0 Credits of Social Studies
- 3.0 Credits of Math
- 3.0 Credits of Science
- 1.5 Credits of Physical Education
- 0.5 Credit of Health
- 0.5 Credit of Computer Basics
- 9.5 Elective credits

25.0 TOTAL CREDITS

No Special Notes. No Exceptions List. C. ACADEMIC-SENIOR REQUIREMENT In addition to the required courses listed above, seniors must earn one academic credit from the following study areas: English, Mathematics, Science, Social Sciences or Foreign Language.

D. ELECTIVE COURSES

Of the 25 credits needed to graduate, 9.5 must be earned in elective courses. Elective courses include both yearlong and semester classes. These courses allow the student to concentrate on special interests, prepare for college entrance, or develop vocational skills.

E. COURSE LOAD

To be considered a *"full-time"* student at Lancaster High School all students, grades 9-12, must carry 6 academic subjects (a course that meets 5 days per week) plus physical education or 7 academic subjects as a senior. Students in Agri-Business OJT have revised course loads. Details of the course loads for these classes are included in the course descriptions.

F. NON-DISCRIMINATION DISCLOSURE

It is the policy of the Lancaster Community School District that no person may be denied admission to any public school in this district or be denied participation in, be denied the benefits of, or be discriminated against in any curricular, extra-curricular, pupil services, recreational or other program or activity because of the person's sex, race, national origin, religion, color ancestry, creed, pregnancy, marital or parental status, sexual orientation or physical, mental, emotional or learning disability or handicap as required by s.118.13 Wis. Stats. This policy also prohibits discrimination as defined by Title IX of the Education Amendments of 1972 (sex), Title VI of the Civil Rights Act of 1964 (race, color, and national origin), Section 504 of the Rehabilitation Act of 1973, or the Americans with Disabilities Act of 1990.

The district encourages informal resolution of complaints under this policy. A formal complaint resolution procedure is available, however, to address allegations of violations of the policy in the Lancaster Community School District. Any questions concerning this policy should be directed to: Rob Wagner, 231 North Sheridan Street, Lancaster, WI 53813 (608)723-2175.

G. YOUTH OPTIONS

State law allows high school juniors and seniors to attend classes at a technical college or four-year university in addition to, or in lieu of, attending courses at Lancaster High School. Courses taken at a technical college or four-year university may count toward high school credits and lead toward high school graduation. In addition, school districts may be required to pay for some or all of the course work. If you have questions, please see the guidance counselor.

In order for a student to participate in the Youth Options Program, they need to be a student in good standing. Good standing shall be defined as on pace to graduate and not have failed any classes in the semester preceding actual participation. The Board of Education will conditionally approve new and continuing Youth Option student's requests based on the passing of their courses.

LAUDE COURSES

1 Point Per Semester – for completed and passed courses

AP Biology PLTW – Intro to Engineering and Design (IED) AP PreCalculus PLTW – Principles of Engineering (POE) AP Calculus PLTW – Civil Engineering and Architecture (CEA) AP Environmental Science PLTW - Engineering Design and Development (EDD) AP Psychology PLTW – Computer Science and Software Engineering (CSE) AP US History

Accounting (TC) Sales and Marketing (TC) Business Enterprise (TC) Spanish V College Composition (TC) STEMStart (TC) Entrepreneurship (TC)

0.50 Point per Semester – for completed and passed courses

Drama Literature Experimentation
Honors Geometry Advanced Microsoft Office Algebra II Spanish III
Anatomy & Physiology Spanish IV
Chemistry II Advanced Welding
Physics Veterinary Science
Human Social Behavior Honors Band
Encomics Honors Choir

AGRICULTURE, FOOD & NATURAL RESOURCES

Careers in the *Agriculture, Food and Natural Resources* pathway are related to plants, animals, the environment, business and marketing. This pathway reflects on the importance of the different agrisciences, of marketing strategies, of safe food production and of the need for continuous research to improve agriculture. Some professions in agriculture are also related to engineering and industrial careers.

Do you have:

- a desire to work outdoors?
- clear verbal communication skills?
- ability to use good judgment?
- knowledge of math, business and science?
- patience and composure in working with animals?
- mechanical aptitude and ability to work with tools?
- observational and organizational skills?
- ability to work both alone and with others?
- leadership ability and decision-making skills?

If you answered "yes" to some of these questions, then you share some common abilities and interests with people who are employed in agriculture related careers.

AGRICULTURE COURSE OFFERINGS

CTE Plants, Animals and You 1.00 credit CTE Ag Metal Fabrication 0.50 credit

COURSE DESCRIPTION

CTE PLANTS, ANIMALS AND YOU

Course Type: Elective

Credit: 1

Course Length: Year Prerequisite: None

Grade Level: 9, 10, 11, 12

Description: This course is designed to serve as a foundation course for classes in the agriculture education department. As a foundation course, students will focus on the diversity of the agricultural industry as well as looking at the biological makeup of plants, soils, and animals. Production agriculture will be discussed along with a look at agronomy, farm safety and the dairy industry. Students will explore the National FFA organization and discover an agricultural career that interests them. A unit on carpentry and shop safety will also be included in this year-long course.

CTE AG METAL FABRICATION

Course Type: Elective

Credit: 0.50

Course Length: Semester

Prerequisite: None

Description: Through the completion of projects such as metal art, recreational equipment, home furnishings, and tools, students will learn the fundamentals of metal processes. Students will work in 2 areas; sheet metal, machining.

ARTS & COMMUNICATION

Careers in *Arts and Communications* are related to the humanities and include the performing, visual and literary arts as well as the communication media. (Careers in Business and Marketing are closely related to many artistic careers)

Do you have:

- the ability to be flexible and think creatively?
- good oral and/or written communication skills?
- good physical and manual dexterity?
- the ability to get along with others and work as a team member?
- the ability to set goals and work independently?
- good spatial and aesthetic perceptions?
- poise in social situations and times of crisis?
- the ability to translate design and ideas into reality?

If you answered "yes" to some of these questions, then you share some common abilities and interests with people who are employed in the following Art and Communication-related careers:

ART COURSE OFFERINGS

3D Studio Arts 0.50 credit Drawing I 0.50 credit Drawing II - III 0.50 credit

COURSE DESCRIPTIONS

3D STUDIO ARTS

Course Type: Elective

Credit: 0.50

Course Length: Semester

Prerequisite: None Grades: 9, 10, 11, 12

Description: Is clay too messy but you want to Sculpt? Then try this art class in which we focus on the "non-clay" side of 3 dimensional art. You will be working with a variety of mediums and paper mache', and even have the possibility to pick and materials from yarn, cardboard, plastic, choose your projects in this course. 5-6 projects a semester and a lot of room to personalize this class to fit your personal tastes. The two pathways available are sculptured arts or jewelry design. Jewelry Design you'll explore and create a variety of handmade wearable art jewelry like beading, knots, and wrapping pendants. Students will study famous sculptors/designers and their works. All projects are outlined on worksheets with YouTube tutorials. You will have supplies checked out to you and a shared cubby space. Every project will be uploaded onto your Digital Art Portfolio on Artsonia.com and will be stored there years after you graduate.

DRAWING I

Course Type: Elective

Credit: 0.50

Course Length: Semester

Prerequisite: None

Grades: 9-12

Description: Students will experiment with a number of drawing mediums, including pencil, pen, ink, colored pencil, oil pastel, chalk pastel, charcoal, and scratchboard. Students learn to do open ended problem solving based on projects ranging from the figure, portraits and landscapes, to still life and abstractions. All projects are outlined on worksheets with YouTube

tutorials. Students will have supplies checked out to them and a shared cubby space. Every project will be uploaded onto your Digital Art Portfolio on Artsonia.com and will be stored there years after you graduate.

DRAWING II-III

Course Type: Elective

Credit: 0.50

Course Length: Semester

Prerequisite: A- or better in previous Drawing class

Grades: 9-12

Description: Build on what you have learned and take it to the next level with Drawing II!

This class will focus on you and your natural abilities to develop unique personal artworks from a variety of drawing materials. In this class you will continue your exploration of a variety of materials, while building your portfolios. All projects are outlined on worksheets with YouTube tutorials. Students will have additional supplies checked out to them and a shared cubby space. Every project will be uploaded onto your Digital Art Portfolio on Artsonia.com and will be stored there years after you graduate.

BUSINESS EDUCATION

Business and Marketing encompasses a broad field of careers. Some occupations included in this area are finance, insurance, real estate, personnel, sales, merchandising, marketing research, advertising, packaging, distribution and purchasing. (Careers in Arts and Communications are closely related to many Business and Marketing careers)

Do you want to improve your:

- analytic and clerical skills?
- -- organizational skills and the ability to be accurate?
 - ability to be persuasive?
 - leadership ability and decision-making skills?

- verbal communication?
- ability to get along with others and be part of a team?
- enthusiasm and self-confidence?
- competitive nature?
- ability to work under pressure?
- problem-solving skills?

If you answered "yes" to any of these questions, then you share common abilities and interests with people who are employed in business.

BUSINESS COURSE OFFERINGS

CTE Computer Basics 0.50 credit

CTE Business Enterprise (TC) 0.50 credit

CTE Advanced Microsoft Office 0.50 credit

CTE Website & Video Game Design 0.50 credit

COURSE DESCRIPTIONS

CTE COMPUTER BASICS

Course Type: Requirement for all 9th graders

Credit: 0.50 (Course can also be a transcripted credit through SWTC) Course

Length: Semester Prerequisite: None Grade Level: 9

Description: This is a beginning course in Microsoft Office. The main focus of this course is to help students become more efficient in Microsoft Office. By becoming more efficient in Microsoft Office students will be able to utilize the skills

they learn in this course towards other high school classes throughout their high school career. The students will develop a better understanding of the Microsoft environment. The students will be introduced to Microsoft Word, Excel and PowerPoint. The course concludes with an in-depth simulated project, which includes an integration of Microsoft Word, Excel and PowerPoint.

CTE BUSINESS ENTERPRISE (TC)

Course Type: Elective

Credit: 0.50

Course Length: Semester

Laude Points: 1 Honor point awarded for the entire class.

Prerequisite: None

Grade Level: 9, 10, 11, 12

Description: Students will develop skills for small business management. They will create a

business plan, understand the marketing mix, management of human resources, and the role of electronic commerce. Life skills will be covered to give students a practical

understanding of personal finance. A simulation is utilized which helps prepare students for their lives when they are "on their own." It will provide a basic understanding of installment buying, banking, budgeting, insurance and how to look at the economy. This course is helpful for any student regardless of career choice. Interactive exercises are used to provide hands-on experience. It encompasses business and personal activities including job application skills.

CTE ADVANCED MICROSOFT OFFICE

Course Type: Elective

Credits: 0.50

Laude Points: 0.50 Honor point awarded for the class with passing certifications.

Course Length: Semester

Prerequisite: A 70% or better in Computer Basics.

Grade Level: 9, 10, 11, 12

Description: Advanced Microsoft Office begins with a review of computer basics processing

documentation. The focus part of the course is to have students become certified Microsoft Office Specialists in Microsoft Word, PowerPoint and Excel. The class will learn more complex functions in Microsoft Excel as well as becoming efficient in Microsoft Word. Every Friday we have what is called "Tech" Fridays where we explore Photoshop & Illustrator to create fun

and interesting projects.

CTE WEBSITE & VIDEO GAME DESIGN

Course Type: Elective

Credit: 0.50

Course Length: Semester Prerequisite: None

Grade Level: 9, 10, 11, 12

Description: In the first half of the class, students will learn the languages HTML and CSS. Students will create their own live homepages to serve as portfolios of their creations. In today's world, web pages are the most common medium for sharing ideas and information.

Learning to design websites is an incredibly useful skill for any career path.

In the second half of the class students will learn the foundations of creating video games in JavaScript. The students will use the basics of computer science and programming, with an emphasis on logical thinking and problem-solving skills to create a video game.

ENGLISH

To succeed in the workplace, employees must be able to communicate effectively, both orally and in writing. Therefore, most careers will require proficiency in English.

ENGLISH COURSE OFFERINGS

English I 1.00 credit

COURSE DESCRIPTIONS

ENGLISH I

Course Type: Required

Credit: 1

Course Length: Year Prerequisite: None

Description: The English I course outline includes the study of types of fiction, non-fiction, poetry and drama. This material ranges from the traditional to the current introducing the

student to an effective background in the world literature.

INDUSTRIAL, TECHNICAL AND ENGINEERING

Careers in this pathway are related to engineering, science, technology, construction, manufacturing, photography, communications, power, energy and transportation.

Do you enjoy-

- figuring out how things work?
- operating or fixing machines?
- working with your hands, assembling, building or repairing things?
- working with metal, plastics, or wood materials?
- planning and supervising a project or completing a project or part of a project?
- drawing detailed plans or patterns or working with blueprints?
- courses in biology, chemistry, or physics?

- reading automotive or scientific magazines?
- advanced mathematics classes?
- solving practical problems with mathematics?
- helping others build things?
- collecting rocks, minerals, or soil samples?
- doing chemistry experiments?
- sorting products by size, weight, or quality?
- working with computers, robots, or computer-controlled machines?
- working with other people to solve a real life problem?

If you answered "yes" to some of these questions, then you share common interests with people in engineering, science, and technology.

TECHNOLOGY COURSE OFFERINGS

CTE PLTW Introduction to Engineering Design 1.0 credit

CTE Introduction to Technology Systems 0.50 credit

CTE Photography Technology 0.50 credit

CTE Better Homes and Interior Decor 0.50 credit

COURSE DESCRIPTIONS

CTE PLTW---- INTRODUCTION TO ENGINEERING DESIGN

Course Type: Elective

Credit: 1

Laude Points: 1 Honor point awarded for each semester

Course Length: Year Prerequisite: None

Description: In this course, students use 3D solid modeling design software to help them design solutions to solve proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. This course is designed for 9th or 10th grade students. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork,

communication methods, global and human impacts, engineering standards, and technical documentation.

CTE INTRODUCTION TO TECHNOLOGY SYSTEMS

Course Type: Elective

Credit: 0.50

Course Length: Semester

Prerequisite: None

Description: Introduction to Technology Systems is a course offering an overview of the four major technology systems that are studied more specifically in other courses offered by the department. The four systems include:

- a) materials processing and manufacturing,
- b) power, energy and transportation,
- c) communications, and
- d) construction.

Activity areas can include drafting, electricity, photography, printing, woodworking, metal working, plastics, video, radio, electronics, and more.

CTE PHOTOGRAPHY TECHNOLOGY

Course Type: Elective

Credit: 0.50

Course Length: Semester

Description: After students understand basic compositions and methods to

photography, they will create a portfolio or project using traditional film photography, digital computer photography.

**Students will be responsible for the purchase of materials for this class.

CTE BETTER HOMES & INTERIOR DECOR

Course Type: Elective

Credit: 0.50

Course Length: Semester

Prerequisite: None

Description: This course is intended to provide students with the opportunity to experience and participate in the proper and functional arrangements of home design and decor. The atmosphere of a home has an enormous influence on the visual, physical, and intellectual comforts of people's lives. Course content includes the planning, decorating, and altering of interior home spaces. Class activities will include interior design, computer aided drafting, home repair and maintenance, and home decorating.

MATHEMATICS

MATH COURSE OFFERINGS

Principles of Algebra 1.00 credit Algebra 1 1.00 credit

COURSE DESCRIPTIONS

PRINCIPLES OF ALGEBRA

Course Type: Required

Credit: 1

Course Length: Year Prerequisite: None

Description: Principles of Algebra lays the foundation for algebraic thinking, problem-solving, and mathematical reasoning. Through this course, students will explore the fundamental concepts of algebra, including linear equations, inequalities, functions, and systems. Students will apply concepts to

real-world scenarios, and use collaborative learning experiences to develop an understanding of basic algebraic concepts.

ALGEBRA I

Course Type: Required

Credit: 1

Course Length: Year Prerequisite: None

Description: Algebra 1 lays the foundational principles of algebraic thinking, problem-solving, and mathematical reasoning. Through this course, students will explore the fundamental concepts of algebra, including linear equations, inequalities, exponential and quadratic functions, systems of equations, and

sequences. Students will apply concepts to real-world scenarios, and use collaborative learning experiences to develop a deep understanding of algebraic concepts and their practical significance. Algebra 1 serves as a critical stepping stone for students as they progress through their mathematical journey, providing them with the skills and mindset necessary for success in future math courses and in various aspects of their academic and professional lives.

HONORS GEOMETRY

Course Type: Elective

Credit: 1

Laude Points: 0.50 Honor point awarded for each semester

Course Length: Year

Prerequisite: Algebra I -- B- or higher both semesters.

Description: This is a unified course dealing with relationships, properties and measurements of figures in the plane. Throughout the course the properties of solid figures are related to help the student visualize concepts in the

three-dimensional world. Algebra skills are maintained throughout the course.

MUSIC

MUSIC COURSE OFFERINGS

Concert Band 1.00 credit Music Appreciation 0.50 credit Concert Choir 0.50 credit Music Theory 0.50 credit

COURSE DESCRIPTIONS

CONCERT BAND

Course Type: Elective

Credit: 1

Laude Points: 0.50 Honor point awarded for each semester

Course Length: Year

Prerequisite: Previous instrumental music experience is recommended

Description: Membership in the Lancaster High School band is open to all students in grades 9-12. The band meets five periods a week for one credit per year. If enrollment dictates, two bands may be formed during concert season at the discretion of the director and administration. Marching band includes all students and is the basic focus for the 1st quarter. Jazz Band, Pep Band, Solo Ensemble and other opportunities for individual musical growth are all a part of the Lancaster High School band program. A more complete description of the program is available from the director in the LHS Band Handbook. This course may be offered for laude credit with increased expectations provided by the teacher.

MUSIC APPRECIATION

Course Type: Elective

Credit: 0.50

Course Length: Semester Prerequisite: None

Description: During this course, students will learn the basics in music history, theory, instrumentation, and genres. Students will listen to a variety of music throughout the course and will learn from many of the following topics: Musical Elements, Music of the Middle Ages, Music of the Renaissance, the Baroque Period. the Classical

period, the Romantic Period, Twentieth Century Music, Rock, Jazz, and Non-Western Music

CONCERT CHOIR

Course Type: Elective

Credit: 0.50

Course Length: Year Prerequisite: None

Description: The Concert Choir is open to freshman through senior students. Enrollment in Concert Choir is a prerequisite to the Chamber Singers and all freshman singers will be enrolled in Concert Choir. The curriculum focuses on the fundamentals of singing and musical understanding required of musicians. Students in Concert Choir will

perform music from a wide variety of eras and styles. Concert Choir will meet every-other school day for one-half credit per year. Membership in this group allows students to be a part of Chamber Singers and other extracurricular vocal music activities such as Song Spinners, Solo & Ensemble Festival, etc.

MUSIC THEORY

Course Type: Elective

Credit: 0.50

Course Length: Semester

Prerequisite: Experience in band, chorus or keyboards is recommended. Description: This is a course designed for the serious music student. Music Theory presents a comprehensive program that includes coordinated work in written concepts,

terminology and notation; exercises in music reading and sight singing and practice in ear training. Individualized instruction is stressed. A major project for the semester involves learning the basic functions of "Finale", a music notation software culminating in the arrangement of a work for band or other combinations of voices and instruments.

PHYSICAL EDUCATION

PHYSICAL EDUCATION COURSE OFFERINGS

Physical Education I 0.50 credit

COURSE DESCRIPTION

PHYSICAL EDUCATION I

Course Type: Required

Credit: 0.50

Course Length: semester Prerequisite: None

Description: This course gives students an opportunity to develop physical skills and knowledge in individual sports, team sports and lifetime fitness activities. In addition, students will gain knowledge of personal fitness through participation in a variety of fitness activities including an introduction to weight training. Physical fitness testing is done to assess student's level

SCIENCE

SCIENCE COURSE OFFERINGS

Physical Science 1.00 credit

COURSE DESCRIPTIONS

PHYSICAL SCIENCE

Course Type: Required

Credit: 1

Course Length: Year Prerequisite: None

Description: Physical Science is an activity centered (60%) course to:

- 1) learn introductory chemistry and physics principles
- 2) learn the scientific approach to solving problems and
- 3) acquire an appreciation for science as a system for solving present and future problems.

The course is an excellent introductory course to Biology, Chemistry, Physics and technical courses offered at LHS.

SOCIAL SCIENCE and HUMAN SERVICES

Careers in this pathway are linked to family/consumer, economics, political and social systems. Some occupations include those in hospitality, recreation, public and community service and the broad field of social services. Careers such as those in education, government, law, law enforcement, the military, child care, food services, counseling, cosmetology, fire protections, hotel and restaurant services, economics and history may be found in this cluster.

Are you-

- composed in crisis or conflict?
- polite, understanding, sensitive and patient?
- seen as a leader?
- flexible and enjoy varied tasks?
- able to plan and direct others activities?

Do vou-

- inspire trust and confidence in others?
- analyze and evaluate information readily?
- have a concern for people and their problems?
- have good physical skills and enjoy activities which promote physical stamina?

Can you-

- write and speak clearly?
- take and follow directions?

If you answered "yes" to some of these questions, then you share common abilities with people employed in this pathway.

SOCIAL STUDIES COURSE OFFERINGS

United States History 1.00 credit

COURSE DESCRIPTIONS

UNITED STATES HISTORY

Course Type: Required

Credit: 1

Course Length: Year Prerequisite: None

Description: This course is a study of the development of the United States from the period of the Reconstruction to the present time. A review of the Civil War, its causes and effects, is

included. Emphasis is placed on the origin and development of American political, economic and

social traditions and concepts, especially from the Civil War period to the present time.

WORLD LANGUAGE

Lancaster High School offers students the opportunity to learn **Spanish**. Language assists in meeting some college admission/graduation requirements and also opens doors to many careers in which the ability to speak a second language is helpful. **High School language experience also provides the opportunity to test out of college language classes and to receive as many as 16 university credits for work done while in high school.** The ability to speak more than one language is a fundamental skill for global citizens of the 21st century. Study of world languages increases cultural awareness and broadens employment options for all students.

WORLD LANGUAGE COURSE OFFERINGS

Spanish I 1.00 credit Spanish II 1.00 credit

COURSE DESCRIPTIONS

SPANISH I

Course Type: Elective

Credit: 1

Course Length: Year Prerequisite: None

Description: This course is designed to provide an introduction to the Spanish language for the

students who want only one year of study as well as a basis for students who wish to pursue further study. The objective of the class is to achieve a basic degree of communication and to be introduced to the culture of Spain and Latin American with an emphasis on holidays, food traditions, Andalucia, and the basic geography of the Spanish-speaking World. Students learn to

communicate in the classroom using only Spanish.

SPANISH II

Course Type: Elective

Credit: 1

Course Length: Year

Prerequisite: A grade of C or better in Spanish I

Description: This is a continuation of Spanish I with more emphasis on vocabulary

development, reading, grammar, writing and beginning conversation skills.

Spanish II

emphasizes language skills that allow students to connect simple sentences in order to share their

ideas.