

LOYAL HIGH SCHOOL
FRESHMEN
ELECTIVE COURSE OPTIONS
2021-2022 COURSE DESCRIPTION HANDBOOK

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The right of a student to participate fully in classroom instruction and extra-curricular activities, pupil services, recreational or other program or activity, shall not be abridged or impaired or be denied participation in, be denied the benefits of, or be discriminated against because of the person’s sex, race, religion, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation or physical, mental, emotional or learning disability.

GRADUATION REQUIREMENTS FOR LOYAL SCHOOL DISTRICT

All students must complete the graduation requirements as established by the School District of Loyal Board of Education to be eligible for a Loyal High School Diploma. Students must obtain approval from the principal prior to enrolling in courses for credit which are not offered by Loyal High School. Students will not be permitted to participate in commencement exercises until all requirements and obligations are completed. This includes fees, fines, and classroom materials and detention time owed. Students need to earn 25 credits to be eligible to graduate from Loyal High School. The following credits are specified by content area.

English:	Required Credits
English 9 (2 trimesters) 1 credit.....	1
English 10 (2 trimesters) 1 credit.....	1
Junior Selections*	1
Senior Selections (must enroll in at least ½ credit during senior year).....	½
Total:	4

*Note: Juniors who wish to fulfil their senior English requirements with higher education courses must take 2 trimesters of College-Prep English in their Junior year.

Social Studies:	Required Credits
American History 1 (2 trimesters in grade 9) 1 credit	1
American History 2 (1 trimester in grade 10) ½ credit.....	.5
Political Science (1 trimester) ½ credit.....	.5
2 Social Studies Selections (1 trimester each) ½ credit each.....	½
Total:	3

Mathematics:	Required Credits
Algebra (2 trimesters) 1 credit.....	1
Geometry (2 trimesters) 1 credit.....	1
Intermediate Algebra (2 trimesters) 1 credit.....	½
Note: ½ credit of Math may be earned in Algebra Basics or Consumer Math. All students will be encouraged to take Algebra, Geometry, and Intermediate Algebra.	
Total:	3

Science:	Required Credits
Option 1:	
Integrated Science (2 trimesters) 1 credit.....	1
Biology (2 trimesters) 1 credit.....	1
Science Selections (2 trimesters) ½ credit each	1
Option 2:	
Biology (2 trimesters) 1 credit.....	1
Chemistry (2 trimesters) 1 credit.....	1
Science Selections (2 trimesters) ½ credit each	½
Note: ½ credit of Science may be earned in Horticulture or Animal Science	
Total:	3

Physical Education:	Required Credits
Phy Ed 9 (1 trimester) ½ credit.....	.5
Phy Ed Selections (2 trimesters) ½ credit each.....	½
Total:	1.5

Personal Finance (1 trimester) ½ credit5

Computer Applications (1 trimester) ½ credit.....5

Co-Health (1 trimester) ½ credit.....5

Total Required Credits: **16 credits**
Elective Credits Needed: **9 credits**
Total Credits Needed to Graduate: **25 Credits**

AGRICULTURE

Animal Science (9-12) ½ Credit: 1 Trimester

Can fulfill ½ credit Science toward graduation requirements

This course is for students interested in learning more about animals and the animal science industry. Large animals will be the primary focus of this course with emphasis being placed on beef, sheep, pigs, dairy, goats, poultry, and horses. Animal nutrition, health, behavior, reproduction and breeding, anatomy, facilities, handling and grooming will all be covered. This course will count toward ½ Science credit for graduation requirements. However, this course may not fulfill the science requirements for entering a 4-year university.

Small Animal Vet Science (9-12) ½ Credit: 1 Trimester

Students that would like to learn more about pets and small animals should take this course. Animals such as dogs, cats, gerbils, ferrets and guinea pigs are examples of pets that students will be taught how to care for. Caring for and understanding animal processes will be one focus of this course. The other primary focus will be vet science related topics such as proper restraint, giving physical exams, emergency response, and nutrition.

Equine Science (9-12) ½ Credit: 1 Trimester

Offered in school years beginning with odd years (2021, 2023, 2025 . . .)

Are you a horse enthusiast? This is the class for you! You do not need to have any prior horse experience to be in this class! This course is designed to give students the knowledge to care for, own, or go into a profession with horses. Topics covered include everything from nutrition to equestrian sports! Be prepared to gain knowledge in these areas: tack, anatomy, reproduction breeds, judging, horsemanship, facilities, handling, and much more!

Horticulture (9-12) ½ Credit: 1 Trimester (offered in Tri 3 only)

Can fulfill ½ credit Science toward graduation requirements

Floral arrangement and greenhouse management are just a few of the many topics that will be explored in horticulture. This one semester course involves learning about many aspects of the plant industry including: plant anatomy, soil/medias, hydroponics, greenhouse production, pests, and weed control. Time will be provided for developing lifelong skills in the area of plant growth and maintenance. If you do not mind getting a bit dirty from time to time, and you enjoy plants, this course is for you! This course will count toward ½ Science credit for graduation requirements. However, this course may not fulfill the science requirements for entering a 4-year university.

Plant and Landscape Design (9-12) ½ Credit: 1 Trimester (offered in Tri 1 or 3 only—1 preferred)

Do you enjoy being outdoors? If so, this course is just for you. This course is designed to enhance your ability to landscape homes and care for gardens. The first half of this class will concentrate on the design process, drafting, plant ID, establishment, and maintenance of landscapes. Students will use Realtime Landscaping software to create realistic designs on the computer. The second half of the semester is spent outdoors applying landscape techniques by doing actual landscapes in the town of Loyal.

Natural Resources (9-12) ½ Credit: 1 Trimester

Students who enjoy nature and outdoor recreation should enroll in this course. Wildlife, fish, forestry, hunting, fishing, and other natural resources will be the focus of this course. Conservation of our natural resources is important to maintain the agriculture industry. Tree identification, taxidermy and timber cruising are a few of the activities that students will participate in throughout the semester. This class is very hands on and students will be expected to complete projects related to natural resources throughout the course.

ART

Art and Design (9-12) ½ Credit: 1 Trimester

Use your creative and critical thinking skills to design various projects from many different types of media. Whether you are a landscaper, interior decorator, web page designer, architect, craftsmen, or fine artist, this class will help you improve your designs by showing you how to incorporate the basic design principles of balance, contrast, pattern, rhythm, movement, emphasis and unity into your work. Projects may include computer-generated designs, 3 dimensional models and sculptures, scale drawings, mixed media collages, and painted objects. **Appropriate for any grade or experience level.**

Drawing (9-12) ½ Credit: 1 Trimester

In Drawing students explore various drawing methods including contour drawing, value shading, perspective techniques, and high contrast compositions on a variety of papers. Mediums used will include pencil, colored pencil, chalk pastels, oil pastels, charcoal, pen and ink, and/or linoleum block printing.

Painting 1 (9-12) $\frac{1}{2}$ Credit: 1 Trimester

Pre: Drawing

Students will learn about color theory basics. Both modern and traditional painting compositions and techniques will be explored. Media will include watercolor, tempera cake paint, acrylic paint, canvas board, canvas and paper painting.

Painting 2 (9-12) $\frac{1}{2}$ Credit: 1 Trimester

Pre: Drawing and Painting I

Students in Painting II will review color theory. They will explore various styles of painting through art history examples and through experimentation. Students will work on more complex painting themes. Media used will include acrylic, watercolor and mixed media; painted on a variety of surfaces to include stretched canvas and watercolor paper. Students may specify their preferred paint medium.

3D Design (9-12) $\frac{1}{2}$ Credit: 1 Trimester

3D design is a type of art that has height, width and depth, and having these features creates form. In 3D Design, students will use, but are not limited to, slab, pinch, and coil methods to create various ceramic pottery and sculptural pieces. Along with ceramic sculpture, students will also use a variety of other materials to create sculpture and form such as paper, cardboard, wire, everyday objects, etc. Students will learn techniques of construction, craftsmanship, decoration, glazing and firing.

Digital Photography (9-12) $\frac{1}{2}$ Credit: 1 Trimester (offered in Tri 1 only)

In this course students will use their digital camera and Photoshop image editing software to create works of art. Students will learn techniques to improve composition, understand their camera and its settings, learn about pixels, image size, quality, resolution, and file formats. Students will store and transfers photos and use image-editing tools (Photoshop) to enhance and add special effects to photos. Projects will include portraits of animals and children, landscapes, photographing movement, night or low light photography, shooting a panorama, and close up or macro photography. **Students must provide their own digital cameras for this class.**

BUSINESS and INFORMATION TECHNOLOGY EDUCATION

eTECHNOLOGIES (9-12) $\frac{1}{2}$ Credit: 1 Trimester

Pre: Computer Applications I

Explore the digital side of life! eTechnology will prepare students to discover and develop personal and professional skills and materials through the exploration of Web 2.0 technologies such as Social Media, video and presentation-making skills, web-based web development, photo-editing, presentations, and simple computer programming. This course is designed to be an introductory course for Web Page Design and other technology-based courses. Career options in information technology (IT) will also be reviewed.

Yearbook (9-12) $\frac{1}{2}$ Credit: 1 Trimester

Students will develop skills and knowledge in design principles, photography, copy writing, yearbook theme development, sales and advertising. Students will be assigned spreads within the yearbook to create and work as a team to proof and edit pages. This class is great for students interested in photography, graphic design, and journalism.

Leadership 1 (9-12) $\frac{1}{2}$ credit: 1 Trimester

In this course, you explore possibilities, meet new challenges, and seek to strengthen your leadership skills in all aspects of your school experience and beyond. This interactive course focuses on two themes, personal development as a leader and creating a positive change in our school and our community. Each week, students are given an opportunity to work on their leadership skills through hands-on group activities in which you will gain valuable, real-life experiences.

comprehensive writing assignments/projects. A focus will be placed on using literary comprehension to develop critical thinking, analysis, and problem-solving skills.

FAMILY & CONSUMER SCIENCE

Foods 1 (9-12) $\frac{1}{2}$ Credit: 1 Trimester

Foods 1 is a class that explores the meaning of food. We will look at food habits, food attitudes, food and the media and how we make food choices. This is a class that will discuss how your role in the family and in society influences the food you eat. Other topics we will be covering include reading food labels, making healthy food choices and the history of food. This is a hands-on course that will combine class work with labs to explore the concept of food.

Foods 2 (9-12) $\frac{1}{2}$ Credit: 1 Trimester

Pre: Foods 1

This class is designed to take cooking to the next level. Students will plan and prepare various meals using advanced cooking techniques. Students will investigate cooking ideas, concepts, and career opportunities within the food industry. Students will learn cooking preparation and techniques of the following foods: breads, cakes, fish, beef, poultry, seafood, and pork.

Foreign Foods (9-12)**½ Credit: 1 Trimester****Pre: Foods 1**

This class is designed to help students understand how food affects people all around the world. We will study foods from across the globe and identify the social, cultural, and nutritional needs of their native people. Students will have the opportunity to taste foods from different countries. This class will allow for creative labs, exciting projects and innovative ideas. Get ready to travel the globe and experience the excitement of Foreign Foods.

Housing and Interior Design (9-12)**½ Credit: 1 Trimester****Offered in school years beginning with odd years (2021, 2023, 2025 . . .)**

This course is designed to introduce students to the world of design. In this course we will study housing needs, family life cycles, family stages, floor plans, basic construction, elements of design, principals of design, the color wheel, how to work with clients and much, much more. If you are ready to jump into design, then this course is for you!

Fashion and Crafts (9-12)**½ Credit: 1 Trimester**

This hands-on class is designed to allow students the opportunity to explore the world of fashion and crafts. Students will investigate the fashion industry and the evolution of clothing during the first quarter of the class. The second half of the class will be spent expressing creativity while learning different crafts. Students will have the opportunity to design a class “craft” and market it to the public. This class is sure to please anyone who loves to sew and express their creativity!

MUSIC**Band (9-12)****½ Credit Per Trimester: Offered all 3 Trimesters****Prerequisite: Completion of 8th Grade Band or director permission**

Students enrolling in band will study and perform a wide variety of music literature, ranging from the Renaissance and Baroque periods to Jazz and Modern styles. Students will study basic music theory concepts, historical context of the music and composers and will broaden their musical horizons. Opportunities for students to further their individual abilities include solo and ensemble festival and jazz band (based on student interest).

Requirements: Attendance is required at all scheduled concerts, festivals, pep bands and marching performances. A schedule of performances will be distributed to students in the first week of class. Students will also be required to complete a music lesson component that will meet outside of class time. When the student’s class schedule is void of a study hall, the director will arrange a lesson time. Students are expected to be in band for the full year. Exceptions to this policy will be granted at the discretion of the band director.

Chorus (9-12)**½ Credit Per Trimester: Offered all 3 Trimesters****Pre: Previous Junior or Senior High Choir experience or audition**

Choir is open to any student who likes music and enjoys singing. Each member is exposed to a broad variety of music from 15th and 16th century classical music to 20th century jazz. Students will discuss historical content of the music and their composers as well as studying the theory of music. **Requirements:** Attendance is required at all scheduled concerts and festivals in addition to a weekly private lesson with the instructor. When the student’s class schedule is void of a study hall, the teacher will arrange a lesson time.

Opportunities for students to further their individual abilities include solo/ensemble festival, vocal jazz, and madrigal and show choir based on student interest. **Requirements:** Attendance at all performances, weekly small group/individual practice instruction periods, and rehearsals. When a student’s schedule is void of study halls, the practice instruction period will be scheduled during Activity Period. Absence from any performance, which is a major unit test grade, must be made up through writing a paper on an aspect of music chosen with the instructor’s approval.

Cool Music (9-12)**½ Credit: 1 Trimester**

This course provides students with an understanding of music and its importance in their lives. Course content focuses on how various styles of music apply musical elements to create an expressive or aesthetic impact. This course allows students to explore different musical instruments and to get experience with music notation software.

Chamber Singers (9-12)**¼ Credit: Independent Study****Pre: Enrolled in Senior High Choir, entrance by audition only (16 student limit)**

Chamber Singers is an audition-selected performing group, with a limit of 16 students. This group will concentrate on acapella music. Music styles will cover a broad range from early music to 21st century. Members must be enrolled in the Senior High Chorus and be selected through an auditions process determined by the director. Rehearsals will occur outside of the scheduled school day.

Requirements: Attendance is required at all school concerts and festivals in addition to a weekly scheduled lesson with the instructor. Absence from any performance, which is a major unit test grade, must be made up through the writing of a paper on an aspect of music chosen with the instructor’s approval.

TV Production Class (9-12)**½ Credit per Trimester**

Students will be introduced to several aspects of television production, including instruction in Wirecast AV Programming, and Roxio DVD software creation and video editing. Instruction in camera and technical production are part of instruction. Students will also be assigned duties for game and event broadcasting and play-by-play. Students will develop and produce a news broadcast on a weekly then daily schedule.

PHYSICAL EDUCATION

Students will be held responsible for following all classroom and safety rules. Any individual misusing equipment will be held responsible for any damage.

Strength and Fitness (9-12)**½ Credit: 1 Trimester**

The Strength and Fitness course is designed to help students implement a specific training regimen into their daily routines. Students will be following a designed exercise/fitness program which will help them enhance their level of health and physical fitness. Students will be focusing on the five components of health-related physical fitness in order to achieve their performance goals and reach their optimal fitness level.

SPANISH**Spanish I (9-12)****1 Credit: 2 Trimesters**

Spanish I establishes a foundation in language skills, including conversational expression and comprehension, grammar, and literacy (reading comprehension and writing). Through various activities in class which include speaking and writing the language as well as comprehending the spoken and written word, students will develop skills and vocabulary to express needs, feelings, interests, foods and family. They will also learn to describe people and activities. Grading is based on participation, projects presentations, homework, and written and oral assessments. Since learning another language requires daily drill and repetition, students should expect to study and/or complete assignments DAILY.

TECHNOLOGY EDUCATION**Industrial Arts (9-12)****½ Credit: 1 Trimester**

Do you enjoy making things out of wood or metal? Then this course is for you! This course is divided in to the three area of Technology that will allow students to survey the different pathways with hopes of pursuing one of them. You will develop skills in tools, safety, metal technology, construction, and small engine mechanics. You will do fun and creative projects in the various fields and provide a base for future Technology Education classes.

Small Engine Mechanics (9-12)**½ Credit: 1 Trimester**

Are you interested in engines and how they work? This course is designed to introduce you to small engine parts identification and function. We will develop an understanding of the 4 Stroke Cycle as well as troubleshooting basic problems with a gas engine. You will disassemble, evaluate and reassemble 3 complete engines during the semester. You will be able to learn to take the frustrations out of starting an engine and turn it into a fun challenge.

*Students will work towards 5 Snap-On Industry Certifications.

Metals Process/Production (9-12)**½ Credit: 1 Trimester**

Do you enjoy restoring metal objects? You will learn to restore, repair and, fabricate metal projects. You will also learn the painting process from preparation to finishing.

Welding (9-12)**½ Credit: 1 Trimester**

Do you have access to welding equipment? This class will teach you the proper techniques on welding with different equipment. Oxy/Acetylene, Stick (Arc), & MIG welding are all covered. You will be allowed to fabricate personal projects as well.

Carpentry (9-12)**½ Credit: 1 Trimester**

Do you like to build things out of wood? You will learn how to frame a wall, install a door and build a deck. The tools, materials and equipment used in this course will be the base for a Construction Pathway.