Curriculum Guide and Course Descriptions

Academic Year 2012-2013

Central Catholic High School

Preparing Students for College and Life since 1939

Central Catholic High School

Curriculum Guide
and
Course Descriptions

Academic Year 2012-2013

Purpose

This guide sets forth the graduation requirements and course offerings of Central Catholic High School. Parents and students are encouraged to read and utilize this information to make informed choices about course offerings for the following school year in light of future goals, academic readiness and graduation requirements.

A separate publication, the Student and Parent Handbook, sets forth school policy in areas such as attendance, behavior, participation in co-curricular activities, and tuition payment. It lists and describes the administration, student services, student groups, boards and associations, and provides specific information on bell schedules, school hours, and phone numbers. The Student and Parent Handbook will be distributed to students during registration.

Mission Statement

Central Catholic High School is a college preparatory school committed to educating the whole person within the Catholic community. Central Catholic focuses on the moral development and particular gifts of each student, challenging the individual to develop spiritually, intellectually, socially, and physically, and to live as a Christian witness in service to others.

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Expected Schoolwide Learning Results (ESLRS) - Graduate at Graduation

Central Catholic believes that the graduate should be competent in a variety of disciplines. Central Catholic's School-wide Learning Results are the educational outcomes that it hopes all of its students will achieve by the time they graduate. ESLRs provide direction for the school's educational and co-curricular programs.

Faithful and Just People

All members of the Central Catholic community share the responsibility to foster the spiritual growth of our students. Our students will have experienced God personally and communally. The Central Catholic graduate:

1. Understands that each individual is loved by God and others.
2. Has developed an understanding of Catholic Christianity through the study of and reflection on Catholic Teachings, Tradition and Scripture.
3. Has developed his or her relationship with Christ through prayer, reflection, liturgy, retreats, and service.
4. Is able to discern and act with an informed Christian conscience.
5. Has developed an understanding of Catholic social teaching and strives to live these principles.
6. Has developed a basic understanding of Church and seeks to participate fully and actively in the Church's life and mission of evangelization.

Academically Competent People

In responding to School Wide Learning Results, each department develops its own specific requirements. While these requirements are organized by department subject-areas, students will acquire intellectual skills that go beyond the academic requirements for graduation and college admission. The Central Catholic student at graduation:

1. Has mastered the fundamental skills required by each discipline and has successfully completed those academic courses required for graduation.
2. Has developed and has learned to apply the skills of logical, critical, and creative thinking.
3. Demonstrates the ability to communicate concepts in written, oral, and artistic forms.
4. Has developed a critical consciousness about contemporary issues.
5. Has learned to respect and appreciate other peoples, languages, and cultures.
6. Is developing the ability to utilize technology and resources to access, interpret, evaluate, and present information.
7. Has explored future careers and scholastic options.
8. Has developed and has demonstrated an aesthetic awareness of the fine arts.

Relational People

Central Catholic High School has formed its graduate to respond to others in light of the social and moral teaching of the Catholic Church. The graduate has developed an awareness and acceptance of self and openness to others, manifested in successful relationships with individuals, communities, and society. The Central Catholic student at graduation:

1. Has learned to overcome personal prejudices, while developing respect for all people regardless of gender, ethnicity, culture, religion, life experience, sexual orientation and socio-economic background.
2. Appreciates and accepts responsibility for personal relationships.
3. Expresses himself/herself freely and genuinely.
4. Listens respectfully to others.
5. Demonstrates effective communication skills, which includes active listening and the ability to collaborate.
6. Has developed an awareness of and responsibility for sexuality as it relates to loving others.
7. Has experienced the support that comes from various communities–family, friends, school, team/club, and parish- and is aware of his/her responsibility to them.
8. Has gained an awareness of how personal choices affect self and society.
9. Is sensitive to the disadvantaged in society and demonstrates compassion for victims of injustice.
10. Seeks to make ethical decisions about career, use of resources, and service in light of social justice and Christian responsibility.

Healthy and Balanced People

Central Catholic believes that physical health is fundamental to effective learning. The graduate has a basic knowledge of health, safety, and fitness, and understands the importance of respecting and caring for his/her body. The Central Catholic student at graduation:

1. Has learned that his or her body deserves respect and reverence.
2. Has become aware that physical, mental, social, and spiritual well-being is interdependent.
3. Is assuming the responsibility for the health of body, mind, and spirit.
4. Recognizes the physical aspect of participation in a variety of activities, including the arts, athletics, and service.
5. Is open to participation in a variety of physical activities.
6. Understands the different systems of the body and how lifestyle choices and personal decisions affect those systems.

Academic Policies

A complete description of all courses and programs offered at Central Catholic High School is contained in this Curriculum Guide. All students must be full-time students at Central Catholic and must take a minimum of six classes each semester. Students may not be enrolled in more than one of the following per semester: office aide, teacher assistant, early dismissal or study hall.

Academic objectives in a college preparatory school depend heavily on work performed at school and at home. Homework for the Central Catholic student is not limited solely to written work; it also includes reading, study, organizing notes into usable study form, preparation for exams, projects, reports, presentations, etc. Students will generally require thirty minutes of homework per class outside of classroom time.

Graduation Requirements

Graduation requirements are stated in terms of "credits earned." One credit is awarded for each year of work successfully completed. To graduate from Central Catholic a student must earn 26 credits. Included in the list below are all of the requirements for a high school diploma for the State of Oregon and, in addition, those specifically relating to the mission of Central Catholic High School. Central Catholic High School will not grant high school credit for experiences prior to enrollment in the ninth grade. In addition, all students must complete at least 80 hours of Christian Service to graduate.

Religion	4 credits
English*	4 credits
Social Science	3 credits
Mathematics	3 credits
Science (Lab)**	3 credits
Foreign Language	2 credits
Fine Arts***	1 credit
Wellness	1 credit
Physical Education	1 credit
Technology****	.5 credit
Electives	3.5 credits
Christian Service Requirement*****	80 hours
Total	26 credits

* *Students must complete a thesis paper to graduate (junior year).*

** *Students must complete a course in Biology and Chemistry to graduate.*

*** *Requirement is satisfied by courses listed in the Fine Arts section.*

**** *Technology credit requires students to pass the Integrated Computer Applications class by the end of their sophomore year. Students may waive this requirement if they pass a competency test.*

***** *Students are required to complete 20 hours per year. A minimum of 10 hours must be completed within the first semester of each year. Excess hours performed are not transferable from year to year.*

Required Classes

Freshman Year	Credits
Theology I	1
English I	1
World History	1
Mathematics	1
Science (encouraged)	1
Foreign Language (encouraged)	1
Wellness/Physical Education	1
Community Service	20 Hours

Sophomore Year	
Scripture	1
English II	1
Mathematics	1
Science	1
Foreign Language	1
Technology	0.5
Physical Education/Wellness	1
Community Service	20 Hours

Junior Year	
Religion	1
English III	1
Mathematics	1
U.S. History	1
Science	1
Community Service	20 Hours

Senior Year	
Religion	1
English IV	1
Government & Politics	1
Community Service	20 Hours

Recommended Four-Year College Preparatory Curriculum

Freshman Year	Credits
Religion	1
English I	1
World History	1
Mathematics	1
Science	1
Foreign Language	1
Wellness/Physical Education	1
Total	7

Sophomore Year	
Religion	1
English II	1
Mathematics	1
Science	1
Foreign Language II	1
Technology	0.5
Wellness/Physical Education	1
Total	6.5

Junior Year	
Religion	1
English III	1
U.S. History	1
Mathematics	1
Science	1
Foreign Language III	1
Fine Arts	1
Total	7

Senior Year	
Religion	1
English IV	1
Government & Politics	1
Mathematics	1
Advanced Science	1
Foreign Language IV	1
Total	6

The minimum standards for many four-year college acceptances are: four years of English, three years of social studies, three years of mathematics through Algebra II, two years of laboratory science, and two years of the same foreign language.

Focused Curriculums: Fine Arts Focus

Freshman Year	Credits
Theology I	1
English I	1
World History	1
Mathematics	1
Fine Arts	1
Science or Foreign Language	1
Wellness/Physical Education	1
Community Service	20 Hours
Take Technology Challenge Test	

Sophomore Year	Credits
Scripture	1
English II	1
Mathematics	1
Science	1
Foreign Language	1
Fine Arts	1
Physical Education/Wellness	1
Community Service	20 Hours

Junior Year	Credits
Religion	1
English III	1
U.S. History	1
Mathematics	1
Science	1
Foreign Language or Elective	1
Fine Arts	1
Community Service	20 Hours

Senior Year	Credits
Religion	1
English IV	1
Government & Politics	1
Fine Arts	1
Science or Elective	1
Elective Classes	2
Community Service	20 Hours

Science Focus

Freshman Year	Credits
Theology I	1
English I	1
World History	1
Mathematics	1
Science	1
Foreign Language or Elective	1
Wellness/Physical Education	1
Community Service	20 Hours

Sophomore Year	Credits
Scripture	1
English II	1
Mathematics	1
Science	1
Foreign Language	1
Technology	.5
Elective	.5
Physical Education/Wellness	1
Community Service	20 Hours

Junior Year	Credits
Religion	1
English III	1
U.S. History	1
Mathematics	1
Science	1
Fine Arts	1
Elective	1
Community Service	20 Hours

Senior Year	Credits
Religion	1
English IV	1
Government & Politics	1
Science	1
Elective Classes	3
Community Service	20 Hours

Foreign Language Focus

Freshman Year	Credits
Theology I	1
English I	1
World History	1
Mathematics	1
Science or Elective	1
Foreign Language	1
Wellness/Physical Education	1
Community Service	20 Hours

Sophomore Year	Credits
Scripture	1
English II	1
Mathematics	1
Science	1
Foreign Language	1
Technology	.5
Elective	.5
Physical Education/Wellness	1
Community Service	20 Hours

Junior Year	Credits
Religion	1
English III	1
U.S. History	1
Mathematics	1
Science	1
Foreign Language	1
Fine Arts	1
Community Service	20 Hours

Senior Year	
Religion	1
English IV	1
Government & Politics	1
Science or Elective	1
Foreign Language	1
Elective Classes	2
Community Service	20 Hours

Student Work Ethic

Classes at Central Catholic require students to:

- Work independently without detailed instruction. Students are responsible to ask questions and seek help when they don't fully understand the material. Students must be prepared to spend a greater amount of time on homework.
- Develop personal commitment and a strong work ethic. Students must participate in discussion and activities, actively engage in the learning process, and commit themselves to doing their best.
- Value learning. Students must learn from mistakes, cope with ambiguity, and think through complex questions, to achieve.
- Maintain a positive attitude. Discomfort with new tasks and concepts is normal, but students must be willing to take risks and do their best on work they may not like. Students should strive to see the purpose behind the work.
- Be willing to analyze their work in detail. Students must not limit themselves to the assigned material, but continually strive to learn more by engaging in outside reading, attending lectures, doing additional research, etc.
- Be present in class. Excessive absences, regardless of the reason, seriously detract from a student's ability to master the course material and experience the fullness of the Central Catholic educational experience.
- Act with integrity. When a student puts his/her name on homework or an assignment, it means it is the student's own work.
- Master fundamentals. Students should have mastery of the fundamental skills of the academic discipline before entering Honors and AP classes.

Failures, Credit Retrieval, and Incompletes

A student who fails a required course at Central Catholic High School must establish a plan with the Associate Principal of Academics to retake the class before the start of the next school year. The student's counselor is available to help with this process. Depending on the course/situation, the student may repeat the class at Central Catholic or with the Associate Principal of Academic's prior approval, take an approved evening school or summer school class. Classes taken over the Internet will not be considered for credit. In the case of credit retrieval, the original "F" will remain on the transcript and will be factored into the GPA along with the grade from the class that was repeated. It is the student's responsibility to provide the school with an official transcript of all make-up work.

If a student receives a "D" in a class needed for advancement, the class may be repeated at Central Catholic or, with pre-approval from the Associate Principal of Academics, the course may be taken from another approved institution. The class will be noted on the transcript, but will have no impact on GPA or credits. If you are considering attending an Oregon Public University and you have received lower than a C- in a core subject area, you may need to re-take the course. Students with pre-approval from the Associate Principal of Academics may re-take the course from another approved institution or retake it at Central Catholic High School if the student's schedule allows. The class will be noted on the transcript, but will have no impact on GPA or credits.

An "Incomplete" is awarded when a student has not fulfilled course requirements for some unusual reason (e.g., personal illness). In such cases, the student is expected to complete the requirements within two weeks of the date that the Incomplete was awarded. It is the student's responsibility to contact the teacher with regard to correcting an Incomplete. An Incomplete that is not corrected within the two-week time span becomes an "F" unless special arrangements are made with the Associate Principal of Academics and the teacher involved.

Scheduling and Schedule Changes

Because each person is unique and has special needs in preparing for college and life, Central Catholic High School provides a variety of curricular options. Each spring, students forecast classes for the coming year. Because staffing and course offerings are based on the numbers generated by this process, students and parents are expected to put serious thought into forecasting. Only changes that are needed to place the student at the appropriate level will be made after the forecasting process is completed. Students are encouraged to talk to parents and teachers regarding possible course selections. Time will be provided for students to meet with counselors to complete the worksheet which will be referred to when discussing any future schedule changes. The forecast worksheet will be used as the official communication to Central Catholic about each student's curricular needs.

To reiterate the basic points about schedule changes:
Schedule changes are discouraged. Therefore, students must choose their courses wisely. In the event students are misplaced, they may request a schedule change. There are no schedule changes in the second semester except to drop a course and take a study hall. There will be no schedule changes based on teacher preference. To change a schedule, a student must:

1. Obtain a Schedule Change Form from their counselor
2. Obtain the signatures of the teachers involved in the change
3. Obtain a parent's/guardian's signature as an indication of his/her approval.
4. Obtain the Associate Principal of Academics signature
5. File the Schedule Change Form with the counselor for approval and signature

A schedule change is not effective until the Associate Principal of Academics and the counselor have approved the request and the student receives a printout of their new schedule.

Scheduling Process

Students are encouraged to talk to teachers and their counselor to gain an understanding of the courses available, their ability to handle the course work and their standing in relation to graduation requirements. Students and parents should discuss future goals and the classes they think would be most beneficial in meeting these goals. Student worksheets, with a parent signature, must be turned in by the designated return date. Students who turn in late or incomplete worksheets will jeopardize their chance to receive their first choice course requests since they will be scheduled at a later date. Once forecasting forms are collected, entered, and verified, schedules are sent home for confirmation. Students and parents should make sure that the courses selected are appropriate and meet the student's particular curricular needs.

If an insufficient number of students forecast for an elective course, the course will be dropped. In this case and when classes are full, counselors will look to the alternate courses on the forecasting sheet to complete a student's schedule. Central Catholic does not offer Independent Study classes when student requests are unable to be met.

Central Catholic will allow students to change a class with the approval of teachers and parents, within a limited time frame to accommodate placement in the accurate level of a class. In this case, the change can only occur if there is space in the new class. No new courses can be added after the first week of classes in the first or second semester. However, dropping a class to take a study hall or level changes can occur up to seven weeks in the first semester, but only through the third week in the second semester as long as the student still meets the six class minimum requirement. Students must complete a schedule change form for all schedule changes. The student will obtain the appropriate signatures of teacher, counselor, and parents; and return the completed form to the counselor before new classes can be attended. After the first week of the semester, a grade of WP (Withdrawal-Pass) or WF (Withdrawal-Fail) will be placed on the transcript when a student withdraws from a class.

Honors and Advanced Placement Courses

Advanced Placement (AP) Courses

All AP courses follow a college-level curriculum prescribed by the College Board. Since these courses move at an accelerated pace that is demanding and will require additional hours of study, Central Catholic recommends that students not take more than two AP courses at one time. Advanced Placement classes culminate in a national exam given by the College Board. Scores on the exam may qualify students for college credit or advanced standing as determined by the colleges. All AP students are encouraged to take the AP exam. There is an additional fee for each AP exam. Students will be awarded a greater weighting in their GPA based on the increased expectations of these courses.

What is the difference between an Honors/AP and a regular college prep class?

Honors/AP courses are accelerated classes for self-motivated students that teach a greater depth and breadth of material than is covered in the regular college prep classes. Enrichment topics are added. Standards in reading, writing, calculation, and critical thinking are higher. More independent learning takes place. Students should expect more homework in these courses and will be awarded a greater weighting in their GPA based on the increased expectations.

What should I consider before choosing to forecast for an Honors/AP class?

- Do I have a high level of interest in this matter?
- Do I want to explore this content in more depth?
- Am I willing to engage more time, do more work, and strive to meet the higher standards?
- Do I have the time to commit to this class and still meet my obligations to family, church, friends, activities, sports, and work?
- Can I balance the stress this class may cause?
- Is it OK if I don't earn an "A" in this class?
- What other honors/AP classes am I planning to take?

Qualities of an Honors/AP Student

An honors/AP student:

- Is a self-starter
- Is persistent in learning
- Has a positive attitude
- Has strong time-management skills
- Is curious and investigates ideas at length
- Offers insights and alternative explanations
- Develops unique associations
- Has the desire and ability to work at a higher level
- Is able to work and learn independently
- Pays close attention to detail
- Works well with others to reach a goal
- Accepts responsibility and is accountable for his/her own actions
- Exhibits creativity

Christian Service Program

The Christian Service Program is designed to help the students of Central Catholic become a people of compassion and knowledge, a people committed to justice, a people for others. During their four years at Central Catholic, students will complete a minimum of eighty hours of service to the greater community of Portland, and the world. All service hours are to be completed outside of the regular school day. The hope is that through service the students will become aware of their Christian responsibility to be of service to those in need around them. The development of community, both within the walls of Central Catholic and out, is a vital goal of Central Catholic's Christian Service Program.

Requirements:

All service performed for Central Catholic service credit must meet the following criteria:

- Benefits people or an organization beyond the walls of Central Catholic.
- Is for a pre-approved, non-profit group or organization and is in keeping with the teachings of the Catholic Church.
- Service hours must be completed outside of regular school hours.
- All deadlines are 8 am on the day they are due.
- Summer service documentation deadline is September 18, 2012.

Freshman Year

Students are required to complete two School-Sponsored Service Projects or one School-Sponsored Service Project and ten hours of a pre-approved Independent Service Project(s).

> Freshmen have the option of completing both semester requirements during the first semester. However, each student must complete one semester requirement by January 8, 20113, the end of the first grading period and the total year requirement must be completed by May 28, 2013.

Sophomore Year

Students are required to complete one School-Sponsored Service Project and ten hours of a pre-approved Independent Service Project(s).

> Sophomores have the option of completing both semester requirements during the first semester. However, each student must complete one semester requirement by January 8, 2013 the end of the first grading period and the total year requirement must be completed by May 28, 2013. Sophomores have the option of performing their Independent Service during the summer prior to their sophomore year.

Junior Year

Students are required to complete twenty hours of pre-approved Independent Service Projects(s), for one or more organizations. Each student is required to:

1. Submit documentation for all service performed during the summer prior to their junior year by September 18, 2012.

2. Complete a minimum of ten hours of pre-approved Independent Service and submit documentation by January 8, 2013, the end of the first grading period.

3. Perform hours needed to complete the minimum requirement of twenty hours Independent Service and submit documentation by May 7, 2013.

Senior Year

Students are required to complete twenty hours of a pre-approved Independent Service Project for the same person or group that is disadvantaged (e.g. homeless, disabled, shut-ins) and write a senior reflection paper. Each student is required to:

1. Meet with the Christian Service Coordinator and submit a senior service contract October 16, 2012.

2. Complete a minimum of ten hours of Independent Service and submit documentation by January 8, 2013, the end of the first grading period.

3. Perform hours needed to complete the minimum requirement of twenty hours Independent Service and submit documentation by April 23, 2013.

4. Submit a senior service reflection paper by April 30, 2013.

Course Descriptions

Note: Credit Status refers to the course designation as an elective or required course for graduation. Definitions of the terms used are as follows:

Requirement: Course needed to graduate from Central Catholic High School.

Selective: One of several courses that will fulfill a graduation requirement.

Elective: Course that contributes to the credits necessary for the student to graduate, but is not required for graduation.

Religion Department

The Religion Department forms students to live out Gospel values as it supports parents as the primary religious educators. The Religion Department leads and challenges students in faith-formation through the faculties of both faith and reason. Academic rigor and faith reflection are pursued in order to build an informed Eucharistic community. With a Christocentric approach, the Religion Department fosters academic sophistication, interfaith awareness and respect in accordance with Catholic values and Magisterial teaching. The Religion Department advances our universal call to be pastoral servant-leaders in accordance with Gospel values. Working in collaboration with the Campus Ministry Department, we guide our students to realize their full human potential.

Theology I Grade Level: 9 1 Credit

The purpose of this course is to give students a general knowledge and appreciation of Sacred Scripture. Through study of the Bible they will come to encounter the living Word of God, Jesus Christ. In the course they will learn about the Bible and its value to people throughout history. Students will learn how to read the Bible and become familiar with its major sections, its content and structure, the different types of literature it contains, and the major people, places and events of Salvation History. The course will pay particular attention to the Gospels and offer students opportunities to grow in their love and knowledge of Jesus Christ. In addition, students will engage in activities to become part of the community at Central Catholic. Introductory units will help students learn about the mission and charism of Central Catholic and give them the tools they need to be successful in our four-year Theology Curriculum.

Credit Status: Requirement
Prerequisites: None

Scripture Grade Level: 10 1 Credit

This course introduces students to the major biblical persons, themes, and developments in Scripture and involves the student in the study of the Old and New Testaments as God's revealed word. The course approaches scripture contextually by investigating the human, cultural, and historical movements that helped to influence how God's revealed word was recorded. The purpose of this course is to seek the truth of God's revelation as conveyed in human language.

Credit Status: Requirement
Prerequisites: None

Religion 3A (Church History/Moral Theology) Grade Level: 11 1 Credit

1st Semester, Church History; 2nd Semester, Moral Theology

Students will come to a fuller understanding of the nature of the Catholic Church through study of the major events and people that have shaped it through history. Students are invited to see the connection between these historical events and modern Church life as well as reflect on the personalities and controversies that continue to shape the Church today. Students will then explore self identity questions as they come to an understanding of how they make moral choices as they address questions about morality, conscience and relationships within the teachings of the Roman Catholic Church. Students will be introduced to various ways in which humans attempt to arrive at a truth on which to base their decisions. The study of classical, medieval, and contemporary thought will help students determine a reliable method of reasoning, as well as critique unreliable methods. Class interaction, reading, and participation in discussions, prayer and personal reflection are essential to this course.

Credit Status: Selective
Prerequisites: Scripture

Religion 3B (Moral Theology/Sacraments) Grade Level: 11 1 Credit

1st Semester, Moral Theology; 2nd Semester, Sacraments

This course is designed to address questions about morality, conscience, and relationships within the teachings of the Roman Catholic Church. Students will explore self identity questions as they come to an understanding of how they make moral choices. Students will be introduced to various ways in which humans attempt to arrive at a truth on which to base their decisions. The study of classical, medieval, and contemporary thought will help students determine a reliable method of reasoning, as well as critique unreliable methods. Students will then explore the nature of sacrament and the seven Sacraments of the Church. Students will be introduced to Jesus as the fullness of God's revelation and the Church as the primary sacrament in the world. The historical development of "sacrament" will be discussed, followed by a study of the history, practice, and symbols of each of the seven sacraments. Class interaction, reading, and participation in discussions, prayer and personal reflection are essential to this course.

Credit Status: Selective
Prerequisites: Scripture

Religion 3C (Moral Theology/Liturgy & Prayer) Grade Level: 11 1 Credit

This course provides an integrated study of Moral Theology and Liturgy & Prayer. Students will learn various aspects of the Catholic Mass and investigate various styles of individual and communal prayer. Students will explore rites and rituals, liturgical year, and the current Church documents regarding the proper celebration of Mass. Students will participate in school masses, planning and preparing the liturgy. Through the study of saints and mystics, students will learn about various forms of prayer. Forms of individual and communal prayer to be explored include music, *lectio divina*, traditional prayers, and contemplation, Liturgy of the Hours, meditation and spiritual mentorship. Students will then explore self identity questions as they come to an understanding of how they make moral choices as they address questions about morality, conscience and relationships within the teachings of the Roman Catholic Church. Students will be introduced to various ways in which humans attempt to arrive at a truth on which to base their decisions. The study of classical, medieval, and contemporary thought will help students determine a reliable method of reasoning, as well as critique unreliable methods. Class interaction, reading, and participation in discussions, prayer and personal reflection are essential to this course.

Credit Status: Selective
Prerequisites: Scripture

Religion 4A (Social Justice and World Religions) Grade Level: 12 1 Credit

1st Semester, Social Justice; 2nd Semester, World Religions

This course is designed to raise student's awareness regarding social issues in our world. After learning the fundamentals of Catholic social teaching, the students will analyze various economic and social injustices based on these principles. Topics include, but are not limited to: discrimination, local and world poverty, hunger and oppression, and life issues. Students will draw upon their service experiences throughout the course. Students will then learn about the beliefs and customs of non-Christian religions. The course begins with an inquiry into the concepts of sacred mystery, God, faith and religion. It then analyzes religious traditions beginning with the nature of indigenous religions: Hinduism, Buddhism, Jainism, Judaism, Islam, and Christianity.

Credit Status: Selective
Prerequisites: Scripture

Religion 4B (Christian Relationships and Social Justice) Grade Level: 12 1 Credit

1st Semester, Christian Relationships; 2nd Semester, Social Justice

This course explores the claim that we find God in loving, committed relationships and that we are called to live our lives in loving response to the One Who loved us first. Students reflect on identity, communication, love, sexuality and Christian life commitments, (marriage, holy orders and religious life) in light of Christ's example and teaching. Students are challenged to contrast contemporary cultural values with Christian values of honesty, love and commitment. Students are also challenged to recognize their service as one way to respond to God's love for us. The second semester is designed to raise student's awareness regarding social issues in our world. After learning the fundamentals of Catholic social teaching, the students will analyze various economic and social injustices based on these principles. Topics include, but are not limited to: discrimination, local and world poverty, hunger and oppression, and life issues. Students will draw upon their service experiences throughout the course.

Credit Status: Selective
Prerequisites: Scripture

English Department

The Central Catholic High School English curriculum is rooted in the study of literature and composition. Its objectives are to cultivate critical thinking, improve written and oral expression, and develop students' creative, moral, spiritual, and intellectual potential.

Honor's Students:

Central Catholic's English Department expects Honors students to enter with exceptionally strong skills in reading, writing, and critical thinking. Students are expected to work independently and cooperatively. These demanding college prep and AP courses of study are for students who are avid readers and motivated, competent writers. Students are expected to contribute through consistent participation and preparation. The maturity and interest they bring to class greatly contributes to their success and enjoyment of these fast paced courses.

English I Grade Level: 9 1 Credit

Freshman English provides an opportunity to read, understand, and appreciate various literary types: short story, novel, drama, and poetry. Students will read both classic and contemporary literature and a Shakespearian play. Students will write full-length essays in all modes: descriptive, expository, persuasive, and personal narrative. An overview of basic grammar fundamentals is also included. Students will analyze and explore literature for its power of imagination and how it relates to them today.

Credit Status: Requirement
Prerequisites: None

Honors English I Grade Level: 9 1 Credit

This course is designed for students who have demonstrated an above average ability in the area of Language Arts. While the curriculum is similar to that of the regular English I class, the workload is approximately one-third more. This curriculum includes a study of basic literary genre including short story, novel, autobiography, play, essay, and poetry. Emphasis is placed on advanced vocabulary study, writing skills, and challenging literary analysis. Students will write several three to five page essays.

Credit Status: Selective
Prerequisites: Placement based on Placement Test Score and English Department Placement

English II Grade Level: 10 1 Credit

This literature-based course is designed for students who can read and write at the sophomore level. Students will read short stories, Greek drama, Shakespeare, and poetry in addition to a selection of novels. Special emphasis is placed on the writing of essays of various types, especially the writing of analytical essays in preparation for thesis writing. Vocabulary, grammar, and other writing exercises will be interspersed throughout the year.

Credit Status: Requirement
Prerequisites: English I

Honors English II Grade Level: 10 1 Credit

This course is designed for the advanced student. This class provides enrichment through the study of literature and literary genre. The writing instruction places special emphasis on critical thinking through analysis papers, journals, and essay exams. Students are expected to read about one-third more than the regular English II class and to write extensively.

Credit Status: Selective

Prerequisites: Honors English I or Student Application, Essay, and English Department Placement

English III Grade Level: 11 1 Credit

English III is a course that develops students' ability to think and communicate. Through reading, discussion, and writing, students will learn to more skillfully extract ideas from literature, to develop their own responses, and to write in a clear and logical manner. The literary focus is American Literature that parallels the chronology of our country's history. An eight to twelve page research-based thesis paper is required.

Credit Status: Requirement • Prerequisites: English II

Honors English III Grade Level: 11 1 Credit

A class designed for the advanced student, Honors English III provides enrichment through the study of literature, writing, communication, grammar, and vocabulary. The reading consists of a wide range of American Literature from the colonial period through modern novels and plays. This honors course involves reading and homework assignments beyond the regular English III course. Emphasis is placed on collegiate level writing that includes a 15 – 20 page research-based thesis paper.

Credit Status: Selective

Prerequisites: Honors English II or Student Application, Essay, and English Department Placement

English IV Grade Level: 12 1 Credit

This is a full year study of classic and contemporary literature. Students will deepen their appreciation of literary elements and expand their awareness of the cultural themes raised by specific texts. Special emphasis will be placed on the development of analytical and writing skills transferable to other disciplines. Activities will include reading, writing, oral presentations, group discussions, tests, quizzes, creative projects, and critical thinking.

Credit Status: Requirement • Prerequisites: English III

AP English IV Grade Level: 12 1 Credit

This advanced course provides students with the opportunity to study a variety of types of literature in depth, as well as to develop their writing skills as they analyze a variety of major literary works. Students taking this class will also prepare for the Advanced Placement Exam by working on practice questions. The Advanced Placement Exam provides college credit to those who qualify.

Credit Status: Selective

Prerequisites: Honors English III, Student Application, Essay, and English Department Placement

Speech Grade Level: 9-12 0.5 Credit

Experience in public speaking is an invaluable asset to any college bound student. This class offers in depth instruction in public speaking that will teach students how to deliver speeches for a variety of purposes. It will help students develop logical thinking and organizational skills, establish correct and effective voice habits, develop respect for listening as a medium of learning and help to eliminate fear of a speech situation. Students will develop skills in writing speeches for a variety of purposes: informative, persuasive, entertainment, special occasions, group communication, readers' theatre, and debate.

Credit Status: Elective
Prerequisites: None

Creative Writing Grade Level: 10-12 0.5 Credit

Creative Writing is a semester elective designed to immerse students into reading and writing fiction and poetry. Students will look at how the craft of writing brings instinct and critical understanding into creative equilibrium. Emphasis will be on the craft of composing short fiction and poetry. Students will study established writers for technique, structure and style and write their own sketches, stories, and poetry for class discussion, homework, workshops and a final project.

Credit Status: Elective
Prerequisites: None

Journalism I-II-III Grade Level: 10-12 1 Credit

This class gives students an opportunity to gain experience in journalism and print media. Students use a textbook and other material as the basis for a formal study of journalism; they also serve as staff members responsible for the publication of the school newspaper, *The Rampart*. Second and third year students take on leadership roles in organization and preparation of the newspaper for publication.

Credit Status: Elective
Prerequisites: Student Application, Journalism Teacher Approval, Journalism I or Journalism II as is appropriate for natural progression

Yearbook Grade Level: 11-12 1 Credit

This course presents the fundamentals of yearbook production and publication including layout design, copy writing, business management, photography, thematic design, and interview skills. Students will work to master these fundamentals with opportunities to specialize as interests develop. Students should expect to spend additional time outside class before deadlines.

Credit Status: Elective
Exception: This course may be repeated multiple times for credit
Prerequisites: Student Application and Yearbook Teacher Approval

Learning Assistance Classes

Language Arts Lab Grade Level: 9 1 Credit

This class is designed to enhance both reading and writing skills, as well as develop the study skills necessary for success in high school academics. Language Arts emphasis will be grammar, usage, mechanics, and writing skills, along with reading comprehension. Study skills will include organization, note taking, test taking and preparation, learning styles, and goal setting. Identified students may be required or encouraged to take this course as a supplement to their English 1 course.

Credit Status: Elective
Prerequisites: None

Advanced Language Arts Lab Grade Level: 10-12 1 Credit

This class is a continuation of Language Arts Lab, and designed for students seeking to further develop study skills. One on one and small group instruction is provided to improve reading comprehension and composition, organizational skills, note taking, test taking skills, and research methods. Identified students with literacy needs, determined through the NWEA testing, may be required or encouraged to take this course as a supplement to their English course.

Credit Status: Elective
Exception: This course may be repeated multiple times for credit
Prerequisites: None

Social Studies Department

The Social Studies Department at Central Catholic High School strives to guide and challenge students in how they acquire and interpret history. Students will not only study important people and events, but understand their significance both then and now. Students will recognize history both in the past and present. They will become more aware of the political process, understanding their responsibilities as well as their rights. We will work to establish that when students leave Central Catholic High School they will do so with not just an understanding of history, but also a responsibility to be involved politically and socially.

World History I and II — Grade Level: 9 — 1 Credit

Through both a chronological (1500's to present) and thematic approach, the World History course explores the connections among the political, social, and economic forces of the past and applies their understanding to contemporary global issues. The course will emphasize such themes as power and authority, religious and ethical systems, revolutions, interaction with the environment, economics, cultural interaction, empire building, science and technology and a study of American democracy.

Credit Status: Requirement
Prerequisites: None

United States History — Grade Level: 11 — 1 Credit

The focus of this course is the study of the historical development of American ideas and institutions from the colonial period to contemporary times. Students will obtain knowledge of America through a chronological study of major issues, movements, people, and events in its history. The goal of the course is for students to gain an understanding of the factors that lead to the development of the United States as a world leader.

Credit Status: Requirement
Prerequisites: None

AP United States History — Grade Level: 11 — 1 Credit

AP U.S. History is a college level, intensive study of the United States from its colonial beginnings to the present. The student will be asked to think historically, that is: determine validity, point of view, and bias; weigh evidence; evaluate conflicting positions; and make inferences. The student will be asked to establish relationships and facts and be able to formulate concepts and generalizations about events, people and ideas into the present American history.

Credit Status: Selective
Prerequisites: Cumulative GPA of 3.4 or higher

Government and Politics Grade Level: 12 1 Credit

The focus of this course is to be a survey of the origins, the theory behind, and the practice of governmental systems. The course will examine the history of the American political structure. It will review the elements of the US Constitution and an emphasis on the relationship of citizen participation to the political process will be examined. The course will also address the origins and the theory of alternative governmental systems utilized around the world.

Credit Status: Requirement
Prerequisites: None

AP Government and Politics Grade Level: 12 1 Credit

AP Government and Politics is an intensive college level study of government systems. The theory behind, and the practice of, these systems, political policies, economics as they relate to systems of government, the relationship of government to citizens and the history behind the development of various government systems will be the focus. The course is a full year but divided into two semesters of study. The first semester is the study of U.S. Government, including: its Constitution, institutions, policies, political parties, interest groups, role of media and civil rights and liberties. The second semester will concentrate on the alternative government systems and politics utilized around the world, with a comparison of the United States system of government to the alternatives.

Credit Status: Selective
Prerequisites: Cumulative GPA of 3.4 or higher
or teacher and counselor recommendation

Psychology Grade Level: 11-12 0.5 Credit

This class explores the interaction of mental and physical processes and how these processes contribute to human development. Specific areas of study include learning, development, altered states of consciousness, motivation, and personality development.

Credit Status: Elective
Prerequisites: None

Sociology Grade Level: 11-12 0.5 Credit

Through such ideas as culture, deviance, adaptation, values, and socialization, this course will help students gain an awareness and appreciation for the dynamic forces in society. They will also gain an understanding of what it takes to prepare for the future and the role of social problems in a changing society.

Credit Status: Elective
Prerequisites: None

Economics Grade Level: 10-12 0.5 Credit

This course will provide an understanding of fundamental economic concepts and principles. Through the study of macro and micro economics, the students will learn about personal finances, the nation's economy, and United States' position in a global setting. Students will also be exposed to the work of professionals in the field of consumer affairs, the Stock Market and banking.

Credit Status: Elective
Prerequisites: None

Law and Order Grade Level: 10-12 0.5 Credit

This class will provide a practical understanding of law and the legal system that will be of use to students in their everyday lives. It will also promote awareness of current issues and controversies relating to law and the legal system.

Credit Status: Elective • Prerequisites: None

We the People (Constitution) Grade Level: 10-12 0.5 Credit

The "We the People" class on the constitution focuses on our federal system of government and includes an emphasis on constitutional principles which will enhance the students' understanding of the institutions of American constitutional democracy. The course will investigate the historical and philosophical foundations of the United States and how this led to the creation of the US Constitution and the Bill of Rights, as well as the changes in the role and function of the government through Constitutional Amendments, Supreme Court decisions, and historical events, all of which impact the citizen on a daily basis. Extra emphasis will be given to the necessary tools and knowledge that will allow students to become literate participants in society and within our political system. The student will be taught to develop public speaking and debate skills in presenting a sound argument on the issues presented throughout the course. Fall Semester only course.

Credit Status: Elective

Prerequisites: Students who are enrolled in or took AP US History. Preference to seniors currently enrolled in AP Government and Politics. Teacher recommendation required for interested sophomores.

Leadership in the School Community Grade Level: 9-12 0.5 Credit

Leadership is a course for non-elected students designed to explore a wide range of leadership techniques and concepts to maximize student involvement in the Central Catholic community and beyond. Students will be expected to cover a broad scope of material at a fast pace and will require independent study skills, group work with multiple sub-groups, and a strong work ethic. In addition, students will focus on time management skills, leadership styles, decision making, and motivational techniques. The course will include periodic self, peer, and group assessments. The class will meet during the normal school day, but may also include hours outside the regular school day.

Credit Status: Elective • Prerequisite: None

ASB Leadership Grade Level: 9-12 1 Credit

Course Description: Leadership is a course for elected student officers designed to explore a wide range of techniques and concepts to maximize student involvement in the Central Catholic Community and beyond. Students will be expected to cover a wide range of material at a fast pace and will require independent study skills, group work with multiple student sub-groups, and a strong work ethic. Students will focus on time management skills, motivational and marketing techniques, and basic business principals. The course will include periodic self assessments, peer assessments, and group assessments. This class will meet primarily before school, but will also include hours outside of the regular school day and during the summer.

Period: 0 • Grade: P/NP • Credit Status: Required for ASB and Class Officers.
Not open to the general student body.
Prerequisite: Placement based on ASB and Class Council election results.

Mathematics Department

The Central Catholic math department will help every student realize their potential in mathematics while preparing them for college and or the working world. We hope to instill in our students an appreciation for the order and logic of mathematics. We will show our students the value of mathematics by having them experience its many uses in other subject areas and in real-world applications. We will instruct them on how to use technology to help them better understand mathematical concepts and to problem solve. We also hope to increase enrollment in our upper-division courses-especially in our female and minority populations.

Students must pass three years of math, to successfully complete the minimum requirements for a Central Catholic High School diploma. Students are expected to complete math through Algebra II since it is required for admission to four-year colleges. Graphing calculators are required for all courses. Every class uses calculator and non-calculator assessments as part of their course requirements.

Mathematics Sequences			
Freshman Year	Sophomore Year	Junior Year	Senior Year
Algebra I w/Math Lab	Geometry	Algebra II	Precalculus or Statistics
Algebra I	Geometry	Algebra II	Precalculus or Statistics
Geometry	Algebra II	Precalculus	Calculus I
Algebra II	Precalculus	Calculus I	AP Calculus
Honors Algebra I/II	Honors Geometry/Trig.	Honors Precalculus or Precalculus	AP Calculus or Calculus
Honors Geometry/Trig.	Honors Precalculus	AP Calculus I	AP Calculus II

Algebra I Grade Level: 9 1 Credit

This course provides a thorough study of all the important topics of algebra including the language notation and deductive nature of mathematics. Students will learn basic concepts of algebra such as solving and graphing: linear equations, linear inequalities, and quadratic equations. Students will also learn about other polynomials and their properties, including factoring. Radicals, along with their properties and operations, are introduced. Students will be able to interpret data through algebraic expressions and functions. Projects are assigned an additional form of mathematical application.

Credit Status: Selective

Prerequisites: Placement based on Placement Test Score

Requirements: TI-83 or 84 Graphing Calculator

Honors Algebra I/II Grade Level: 9 1 Credit

This course is designed for freshmen that have a special interest and facility in math and would like to take Calculus as a senior. In the first semester, most of the coursework for Algebra I, from solving and graphing linear equations to powers and exponents, is rapidly reviewed. The second semester features more advanced topics of Algebra I, especially higher degree polynomials and functions, as well as a solid introduction to Algebra II. Whatever is not covered in Algebra II this year will be presented in the following year in Honors Geometry and Trigonometry. Students will learn skills necessary to deal with the math encountered in real-life situations.

Credit Status: Selective
Prerequisites: Placement based on Placement Test Score
Requirements: TI-83 or 84 Graphing Calculator

Geometry Grade Level: 9-11 1 Credit

This course provides a thorough introduction to solid and plane geometry. Topics include: mathematical proofs, measurement in one- two and three dimensions, properties of polygons and circles, the concepts of congruency and similarity, and an introduction to trigonometric ratios. The course uses several different methodologies, such as constructions and hands-on experimentation designed for students to formulate conjectures. Projects are assigned as an additional form of mathematical application.

Credit Status: Selective
Prerequisites: Algebra I or Placement based on Placement Test Score
Requirements: Compass, Protractor, Ruler and TI-83 or 84 Graphing Calculator

Honors Geometry/Trigonometry Grade Level: 9-10 1 Credit

This course is a continuation of Honors Algebra I/II. The student will learn the content of traditional geometry, trigonometry, and the remaining topics of Algebra II, namely the various types of functions in addition to probability and statistics.

Credit Status: Selective
Prerequisites: Honors Algebra I/II, Placement Test Score, and Math Department Placement
Requirements: Compass, Protractor, Ruler, and TI-83 (or higher) Graphing Calculator

Algebra II Grade Level: 10-12 1 Credit

This course is typically a third-year math class that is sequential after Geometry. The beginning of this course is a general review of the topics covered in Algebra I. After a short introduction and discussion of matrices and determinants, the text then discusses the topics of quadratic equations, functions, powers and roots, and exponential and logarithmic functions. Polynomials and polynomial functions as well as rational functions are also presented. After a brief look at conic sections, the last part of the course analyzes the topic of trigonometry: its ratios and functions, plus some important identities and methods for solving trigonometric equations.

Credit Status: Selective
Prerequisites: Algebra I, Geometry, and Math Department Placement
Requirements: TI-83 (or higher) Graphing Calculator

Precalculus Grade Level: 10-12 1 Credit

Students in this course work extensively with functions, and expand on topics introduced in Algebra II. Logarithms and trigonometry are covered in depth. This course is designed to increase a student's knowledge of concepts used in calculus. Students will also study the complex number system, matrices, sequences, math induction, and probability and statistics.

Credit Status: Selective
Prerequisites: Algebra II and Math Department Placement
Requirements: TI-83(or higher) Graphing Calculator

Honors Precalculus Grade Level: 10-12 1 Credit

This course features an advanced study of topics in preparation for calculus. Special emphasis is placed on the study of functions (algebraic, exponential, logarithmic, trigonometric, and some non-elementary functions). This study includes the properties, graphs, and applications of these functions. Students will also study the complex number system, matrices, sequences, math induction, and probability and statistics. The calculus concepts and applications of differentiation and integration will be introduced. Problem-solving skills and mathematical precision provide a central focus for the work of this course.

Credit Status: Selective
Prerequisites: Honors Geometry/ Trigonometry (C or higher)
and Math Department Placement
Requirements: TI-89 or TINspireCAS Graphing Calculator

Statistics Grade Level: 11-12 1 Credit

This is an elective, year-long mathematics class that is offered to those who have successfully completed Algebra II. The main objective of this mathematics elective is to familiarize students with the topics and concepts of descriptive and inferential statistics. It is comparable to an introductory college level course. Topics include: frequency distributions and graphs; data description; probability and counting rules; discrete probability distributions; normal distributions; confidence intervals; hypothesis testing; correlation and regression; and sampling and simulations. .

Credit Status: Elective
Prerequisite: Algebra II
Requirements: TI-84 Graphing Calculator

Calculus I Grade Level: 11- 12 1 Credit

This is an advanced course covering the concepts of differential and integral calculus. Calculus is explored on both a theoretical and a practical level, with emphasis placed on real-life applications. Students will learn the appropriate use of a graphing calculator to assist in the solution of higher-level problems. This class provides a useful introduction to college calculus.

Credit Status: Selective
Prerequisites: Precalculus (C- or higher) and Math Department Placement
Requirements: TI-89 or TINspireCAS Graphing Calculator

AP Calculus I Grade Level: 11-12 1 Credit

Students will study the fundamental topics of calculus: limits, continuity, differentiation, curve sketching, optimization, and integration. The course will be taught on a college level in preparation for the AP Calculus AB Exam, which all students at this level are encouraged to take. Particular emphasis is placed on the varied and significant applications of calculus in today's world, from medical imaging to world models of the future.

Credit Status: Selective

Prerequisites: Honors Precalculus(C or higher) and Math Department Placement

Requirements: TI-89 or TINspireCAS Graphing Calculator

AP Calculus II Grade Level: 12 1 Credit

AP Calculus II represents an extension of the coursework of calculus, developing the students' understanding of additional concepts of calculus and providing further experience with its methods and applications. The course emphasizes a multi-representational approach, with problems and results expressed geometrically, numerically, analytically, and verbally. Topics receiving particular emphasis include parametric, polar and vector functions, slope fields, integration by parts and simple partial fractions, improper integrals, and extensive work with series. Technology is used regularly to reinforce the relationships among the multiple representations of functions, to implement experimentation, and to assist in interpreting results. The unifying themes of derivatives, integrals, limits, approximation, applications, and modeling shape the course into a cohesive whole rather than a collection of unrelated topics. The Calculus BC exam for additional college credit is strongly encouraged.

Credit Status: Elective

Prerequisites: AP Calculus I (C or higher) and Math Department Placement

Requirements: TI-89 or TINspireCAS Graphing Calculator

Learning Assistance Class

Math Lab Grade Level: 9 1 Credit

This class is designed to enhance mathematics skills, as well as develop the study skills necessary for success in high school academics. Math lab will emphasize and reinforce basic concepts of Algebra I, through teacher support and a computer program. Math study skills will include organization, note taking, test taking strategies and test preparation. Identified students may be required or encouraged to take this course as a supplement to their Algebra course. This course may be taken during the school day or as an EB (Early Bird) class.

Periods Offered: O Period (EB) or Regular School Day

Credit Status: Elective

Prerequisites: None

Science Department

Through faith and scientific discovery, students will gain an understanding of their surrounding environment to transform society ethically and responsibly.

- Three years of a lab science are required to graduate from Central Catholic.
- Biology, Physics, and Chemistry are required to graduate.
- Students are encouraged to start their science sequence their freshman year but they may begin their sophomore year.

Science Sequence		
	Regular	Accelerated
Freshman	Biology	Honors Biology
Sophomore	Physics	Honors Physics
Junior	Chemistry	Honors Chemistry
Senior	Anatomy & Physiology Genetics (semester) Environmental Science (semester)	AP Physics AP Chemistry Theoretical Physics (semester)

Note: Some students may choose to begin the science sequence their sophomore year.

Biology Grade Level: 9-10 1 Credit

This course focuses on the basic characteristics of all living things and incorporates many fields of the biological sciences, through lecture, lab experiments and group activities. The course will include a study of molecular and cellular structure and function, biochemistry and metabolism, genetics and heredity, biotechnology and DNA analysis, evolution by natural selection, and the six kingdom classification system of living things. An emphasis is placed on inquiry and analysis as well as the learning of important facts and concepts. Lab work in this class will consist of experimentation, problem solving, data collection and analysis, and group activities. This course challenges students to think scientifically, integrate concepts and explore complex issues.

Credit Status: Requirement
Prerequisite: None
Lab Fee: $40

Honors Biology Grade Level: 9-10 1 Credit

Honors Biology is designed for the highly motivated students who have a strong interest in the biological sciences. Students will be expected to cover material at a fast pace which will require independent study skills and a strong work ethic. Topics covered in this course include: biochemistry, studies of the cell and the energy producing organelles, genetics and heredity, evolution, and biotechnology. Various components of biological careers will also be explored within this course. This is a laboratory science course, which will uphold an emphasis in learning through application and teamwork. Students will be challenged to think scientifically, integrate concepts, analyze data, and explore complex ethical issues.

Credit Status: Selective
Prerequisite: Placement based on Placement Test score(s) and current Science grade
Lab Fee: $40

Physics Grade Level: 10-11 1 Credit

This course provides the student with an in-depth understanding of the basic forces, laws, and principles that describe the physical world. The course emphasizes comprehension over computation. Algebraic formulas will be studied as guides for logical thinking rather than mathematical calculations. Topics include mechanics, electricity, magnetism, and states of matter, heat, sound and light. Designed for anyone with an interest in the world around them, physics offers a foundation for viewing nature more perceptively.

Credit Status: Requirement
Prerequisite: Biology
Lab Fee: $40

Honors Physics Grade Level: 10-11 1 Credit

This honors level course will provide students with an opportunity to explore the basic, forces, laws, and principles that describe the physical world. Students will build conceptual knowledge about topics including mechanics, electricity, magnetism, states of matter, heat, sound and light and use mathematics as a problem solving tool. Students should expect to move through material at an advanced pace.

Credit Status: Selective
Prerequisite: Honors Biology or teacher recommendation
Lab Fee: $40

Chemistry Grade Level: 11-12 1 Credit

This course presents a study of the principles and theories behind matter and its changes. The course content will include a good foundation in stoichiometry, gas laws, atomic structure, bonding, thermodynamics and kinetics, acid-base equilibrium, oxidation-reduction and laboratory skills. Students will develop a deeper appreciation and understanding of matter and its interactions.

Credit Status: Requirement
Prerequisite: Biology and Physics
Lab Fee: $40

Honors Chemistry Grade Level: 11-12 1 Credit

Honors Chemistry is designed for highly motivated students who have a strong interest in science. Students will be expected to cover material at an advanced pace which will require independent study skills, a strong work ethic and an ability to function safely in a lab environment. Topics covered in this course include: stoichiometry, gas laws, atomic structure, bonding, thermodynamics and kinetics, acids and bases, oxidation-reduction reactions. Students will be challenged to think scientifically, integrate concepts, and analyze data. This course is strongly suggested for students who wish to pursue the sciences.

Credit Status: Selective

Prerequisite: Biology and Honors Physics or teacher recommendation

Lab Fee: $40

AP Chemistry Grade Level: 12 1 Credit

This course is designed to be the equivalent of the general chemistry course taken during the first year of college. This course differs in quality from the first-year high school chemistry course with respect to the kind of text material used, the topics covered, the emphasis on chemical calculations and the mathematical formulation of principles, and increased complexity and variety of laboratory work done. The material is covered quickly, making the course directed to the student who is both self-motivated and disciplined in study skills.

Credit Status: Elective

Prerequisite: Honors Chemistry (B grade) and Precalculus (concurrent enrollment) , and Teacher Recommendation

Lab Fee: $40

AP Physics Grade Level: 12 1 Credit

This year long course is designed to prepare students for the AP C exam in Mechanics. Topics will include kinematics, Newton's Laws, conservation laws of momentum and energy, circular and planetary motion, rotational motion, and harmonic motion. These areas will be studied using calculus as mathematical models of nature and as a tool for solving problems. Students will demonstrate understanding and practice for the AP exam mainly through problem solving. Students will get problem assignments from the text and problem projects from past AP exams. This is a content oriented class. Some lab experiences will be provided but will not be a major emphasis. Students enrolling in this course are encouraged to take the AP C Mechanics exam.

Credit Status: Elective

Prerequisite: Calculus (concurrent enrollment) and three years of Science (Physics is required)

Lab Fee: $40

Human Anatomy and Physiology Grade Level: 11-12 1 Credit

Anatomy & Physiology is an elective course designed for students intent on learning more about the basic principles of biology as they apply to the form and function of the human body. Students will learn about the organization of major organ systems of the body in addition to some essential physiological concepts that apply to each. Pathological conditions will also be addressed as well as current trends in medical research. In addition, students will investigate a number of different career choices in the field of health care.

Credit Status: Elective
Prerequisite: Biology and Chemistry (Concurrent enrollment)
Lab Fee: $40

Environmental Science Grade level 12 0.5 Credits

This semester long elective course is designed for students who are interested in learning more about the local environment. Students will participate in: class discussion, project based learning and field studies to learn about issues that impact the environment. Topics to be covered in this course include: forest and stream ecology, nutrient cycles and ecosystems, conventional and sustainable energy.

Credit status: Elective
Prerequisites: Biology
Lab fee: $40

Genetics Grade level 12 0.5 Credits

This semester long elective course will explore the concepts of genetics. Students will be required to analyze and interpret abstract data and processes. This elective is for seniors looking to increase their understanding of cellular biochemistry. Major concepts covered in this course will include an overview of genetics, Mendelian inheritance, DNA and chromosomal structure and properties, population genetics, immunity and cancer, and genetic technologies. This course will consist of many biotechnology labs that require attention to detail and precision. Many ethical issues and career choices will also be explored within this class.

Credit status: Elective
Prerequisites: Biology

Theoretical Physics Grade level 11-12 0.5 Credits

Modern Physics will be devoted to studying the ideas of modern physics. Major areas of study will include but not necessarily be limited to: Einstein's theory of relativity, quantum theory, and cosmology. Within these topics we will examine the nature of space and time, the ultimate constituents of matter, the origin and evolution of our sun and the universe, radioactivity, and black holes. There will be some use of mathematics and equations, but it will be limited to Algebra I level math. This class is in not a lab science.

Credit status: Elective
Prerequisites: Physics (B grade) or teacher recommendation

Foreign Language Department

The Foreign Languages Department of Central Catholic High School connects our community to other places, countries and cultures. Students are immersed in different cultures while introducing and sustaining conversation, reading, listening, and writing skills in languages other than English. Students learn languages and about related cultures to cultivate the spiritual, ethical, social and intellectual qualities essential for leadership in a rapidly changing global community while remaining rooted in the principals established by their Catholic education.

Students, who would like to start their language program at Central Catholic at a level beyond the first year, must take a challenge test to determine appropriate placement. Students are required to take two years of a foreign language to graduate from Central Catholic High School. Because of some college and university standards, students are encouraged to take two years of the same language. Teachers work to immerse students in the foreign language they are studying, even in entry level courses. By the time students are in the third year of a language, courses are conducted in the foreign language.

Students in AP and Advanced Japanese courses:

Central Catholic's Foreign Language Department expects students to enter each class with the ability to understand complex grammatical concepts and to apply these concepts in writing, as well as to sustain conversation in the language. Students should also have the ability to understand most oral and aural language. Exceptionally strong interest in language and culture and ability to memorize is also expected. Students are expected to work independently and cooperatively. These demanding college prep and AP courses of study are for students who are motivated and competent. Students are expected to contribute through consistent participation and preparation. The maturity and interest they bring to class greatly contributes to their success and enjoyment of these face-paced courses.

French I — Grade Level: 9 — 1 Credit

French I is an introductory, elementary French course. Students learn to negotiate the following situations in French: greeting and meeting others, telling time, asking directions, responding to basic questions, requesting food in a restaurant, and giving basic instructions. In addition, students develop the ability to speak, read, and write about themselves and other people, family, food, possessions, places, cities, age, hobbies, sports, and shopping. A variety of resources are used to introduce students to the geography of French speaking countries and French speakers in the United States. The course develops students' speaking, listening, reading and writing competence in primarily memorized phrases in highly predictable situations. Much of this course is conducted in French.

Credit Status: Selective

Prerequisite: None

French II Grade Level: 9-10 1 Credit

In French II, students further develop communicative proficiency in French and learn more about the cultures of French speaking peoples. Students learn to negotiate the following situations: asking and responding to questions, making lodging arrangements, arriving as a long term guest in a French speaking household, discussing daily routines and vacation interests, and expressing health problems and needs. In addition, students develop speaking, listening, reading, and writing competence in the above subjects and in the following areas: describing people and things in detail, travel abroad applications, finding housing, giving instructions, narrating past events, describing the past, hypothetical situations and sports. The course heightens students' accuracy in communication and increases awareness and knowledge of culture and history through film, reading, and writing competence using sentence length discourse to respond to less predictable situations and beginning to create with the language. Students prepare for instruction and activities to be exclusively in French.

Credit Status: Selective

Prerequisite: French I and Teacher Recommendation

French III Grade Level: 10-11 1 Credit

French III prepares students to speak, read, and write in the three major time frames (past, present, future). Students will learn to negotiate store and restaurant contexts in groups with sophistication, make travel arrangements, command proper telephone etiquette, and discuss academic topics in French. In addition, students will read about, complete special projects, and prepare reports and presentations on topics that introduce them to the art, crafts, music, dance, literature, and film of French-speaking communities. The course prepares students to develop paragraph length discourse in present, past, and future tenses, to use hypothetical discourse, and to negotiate contexts where a wide variety of vocabulary and structures is required. Students also study popular reading materials and literature. This course is conducted almost exclusively in French.

Credit Status: Selective

Prerequisite: French II (C grade or higher) and Teacher Recommendation

French IV Grade Level: 11-12 1 Credit

French IV develops students' spoken fluency, reading and comprehension, and writing proficiency. Oral fluency is developed through reading plays, short stories, newspapers, and discussing contemporary issues. Students read literary works by Maupassant, French African authors, and Merrimée. Students study Le Petit Prince and Voltaire's Candide in depth. Students develop their ability to express themselves in past, present, future and hypothetical discourse in situations where the context is not predictable. This course is conducted exclusively in French. Though this is not an AP Course, student may elect to take the AP Language Exam.

Credit Status: Elective

Prerequisite: French III (C grade or higher) and Teacher Recommendation

French V Grade Level: 12 1 Credit

This advanced French course focuses on oral proficiency, reading comprehension, listening skills, writing competence and preparation for university requirements. Students may choose to prepare for the French Language Advanced Placement exam. This course develops students' ability to incorporate advanced structures and vocabulary into the spoken language. Investigation into classic French literature, short stories, history and culture is included. This course is conducted entirely in French. Though this is not an AP Course, student may elect to take the AP Language Exam.

Credit Status: Elective

Prerequisite: French IV (C grade or higher) and Teacher Recommendation

Spanish Sequence

Students who would like to move from Spanish III to AP Spanish Language will need to take a challenge test. Arrangements can be made by contacting the current Spanish III teacher. Successful completion of Spanish IA and Spanish 1B will fulfill the CCHS Foreign Language requirements. Successful completion of Spanish IA, Spanish IB and Spanish II will meet Oregon University System requirements.

Spanish Sequences			
Freshman Year	Sophomore Year	Junior Year	Senior Year
Spanish I	Spanish II	Spanish III	Spanish Composition and Culture
Spanish II	Spanish III	Spanish Composition and Culture	AP Spanish Language
Spanish IA	Spanish IB	Spanish II	Spanish III
Spanish III	Spanish Composition and Culture	AP Spanish Language	AP Spanish Literature
Spanish for Native Speakers	Spanish Composition and Culture	AP Spanish Language	AP Spanish Language

Spanish I Grade Level: 9-10 1 Credit

Spanish I is an elementary Spanish course that introduces the student to the language and cultures of Spanish speaking peoples. Students learn to negotiate the following social situations: greeting and meeting others, telling time, asking directions, responding to basic questions, requesting food in a restaurant, and giving basic instructions. In addition, students develop , listening, reading, and writing competence. A variety of resources are used to introduce students to the geography of Spanish speaking countries and the cultures of Spanish speaking communities. The course develops students' speaking, listening, reading, and writing competence in primarily memorized phrases in highly predictable situations. Students practice following instructions and activities in Spanish. Much of this course is conducted in Spanish.

Credit Status: Selective

Prerequisite: None

Spanish IA Grade Level: 9-10 1 Credit

Spanish IA introduces the student to the language and cultures of Spanish speaking peoples. Students learn to negotiate the following social situations: greeting and meeting others, telling time, asking directions, and requesting food in a restaurant. In addition, students develop the ability to speak, read, and write about themselves and others people, family, food, their possessions, cities, age, hobbies, sports, and shopping. A variety of resources are used to introduce students to the geography of Spanish speaking countries and the cultures of Spanish speaking communities. The course develops students' speaking, listening, reading, and writing competence, using primarily memorized phrases, in highly predictable situations. This course parallels Spanish I, first semester program, and places emphasis on effective learning as well as progressing at a slower pace.

Credit Status: Selective

Prerequisite: None

Spanish IB Grade Level: 10-11 1 Credit

In Spanish IB students further develop their Spanish language skills and knowledge of Spanish speaking cultures. Students strengthen their ability to greet and meet others, tell time, and order in a restaurant. They learn to respond to basic questions on a variety of topics in a conversational setting. In addition, students develop the ability to speak, read, and write about food, cultural practices, health, and vacation activities. Students learn more about the geography of Spanish speaking countries and the cultures of Spanish speaking communities. They also learn to speak and write about past events and activities. The course further develops students' speaking, listening, reading, and writing competence in primarily memorized phrases in highly predictable situations. This course parallels Spanish I, second semester program, and places emphasis on effective learning as well as progressing at a slower pace.

Credit Status: Selective

Prerequisite: Spanish IA

Spanish for Native Speakers I Grade Level: 9-10 1 Credit

Spanish for Native Speakers and Immersion Students prepares the native speaker of Spanish and the Spanish immersion student to apply academic Spanish in a college preparatory setting. The Spanish used to communicate with family and friends, in which the student is already proficient, is used as a basis for developing an additional proficiency in academic Spanish in preparation for Spanish at the collegiate level, or using Spanish in a professional setting. In order to develop writing skills in Spanish, students learn grammatical terminology and structures, perfect spelling skills and write compositions in Spanish. In order to develop critical reading skills in Spanish, students will read and discuss Spanish, Latin American, and Chicano literary works. This course prepares students to continue their study of the Spanish language, literature, linguistics and culture in higher level Spanish courses at Central and at the university level.

Credit Status: Selective

Prerequisite: Native Speakers or students from Spanish Immersion program

Spanish II Grade Level: 10-11 1 Credit

In Spanish II, students further develop communicative proficiency in Spanish and learn more about the cultures of Spanish speaking peoples. Students will learn to negotiate the following situations: asking and responding to questions, making lodging arrangements, discussing daily routines and vacation interests, and expressing health problems and needs. In addition, students develop speaking, listening, reading, and writing competence in the above subjects and in the following areas: describing people and things in detail, travel abroad applications, finding housing, giving instructions, narrating past events, describing the past, hypothetical discourse, and sports. Students develop improved accuracy in communication and increased awareness and knowledge of culture and history through discussion, film, and reading. Students learn to write and read past and future tenses. Students also begin to speak in these types of discourse. Students develop speaking, listening, reading and writing competence using sentence length discourse to respond to less predictable situations and beginning to create with the language. Students prepare for instruction and activities to be exclusively in Spanish.

Credit Status: Selective

Prerequisite: Spanish I and Teacher Recommendation

Spanish III Grade Level: 11-12 1 Credit

Spanish III prepares students to speak, read, and write in the three major time frames (past, present, future). Students will learn to negotiate store and restaurant contexts with sophistication, make travel arrangements, command proper telephone etiquette, and discuss academic topics in Spanish. In addition, students will read about, complete special projects, and prepare reports and presentations on topics that introduce them to the art, crafts, music, dance, literature, and film of Spanish speaking communities. The course prepares students to develop paragraph length discourse in present, past, and future tenses to express hypothetical ideas and to negotiate contexts where a wide variety of vocabulary and structures is required. This course is conducted almost exclusively in Spanish.

Credit Status: Selective

Prerequisite: Spanish II (C grade or higher) and Teacher Recommendation

Spanish Composition and Culture Grade Level: 11-12 1 Credit

Spanish Composition and Culture develops students' spoken fluency as well as reading and writing proficiency. Students also study Spanish speaking cultures in greater depth, focusing on one culture in particular. Students use authentic reading and listening materials as they review complex grammatical structures in depth. Students study the film, literature, art and music of Spanish speaking communities and write short essays on these topics. Career opportunities connected with Spanish language competence are also discussed in class. Emphasis is placed on further developing students' Spanish speaking, listening, reading, and writing proficiency where the context is not predictable. This course is conducted almost exclusively in Spanish.

Credit Status: Selective

Prerequisite: Spanish III (B grade or higher) and Teacher Recommendation

AP Spanish Language Grade Level: 11- 12 1 Credit

AP Spanish Language is conducted entirely in Spanish. Students complete a comprehensive review of Spanish grammar. Special attention is given to more complex grammatical structures. Students will develop their speaking, listening, reading, and writing proficiency in Spanish. The AP Spanish Language curriculum requires that the student be able to write a well developed essay in Spanish and discuss a variety of topics in Spanish. The course will incorporate a rich and varied selection of literary texts, historical and cultural readings, periodical readings, and films. Students are encouraged to take the AP Spanish Language Exam.

Credit Status: Selective
Prerequisite: Spanish Composition & Culture (B grade or higher)
or Spanish III (B grade or higher)
with a successful Challenge Test, and Teacher Recommendation

AP Spanish Literature Grade Level: 11- 12 1 Credit

AP Spanish Literature is conducted entirely in Spanish and offers a historic survey of the literature of Spanish-speaking cultures. Students study major movements and authors of this literature. Students learn to discuss the four genres – drama, essay, fiction, and poetry – with appropriate technical terminology in preparation for the AP Exam in Spanish Literature. The AP Exam in Spanish Literature curriculum requires that students be able to analyze, place historically, and write about important Spanish and Latin American authors' works, using sophisticated language and appropriate terminology. Students are encouraged to take the AP Literature Exam in Spanish.

Credit Status: Elective
Prerequisite: AP Spanish Language (C grade or higher) and Teacher Recommendation

Japanese I Grade Level: 9-10 1 Credit

Japanese I is an elementary Japanese course that introduces students to Japanese language and culture. Students learn how to speak in simple sentences to introduce themselves and others, to describe themselves and others, and to respond appropriately to class directions. Students master Hiragana, the primary Japanese alphabet. Students are introduced to Katakana, the secondary Japanese alphabet, and learn twenty Kanji characters. Students make origami paper sculptures and create Japanese calligraphy prints. Students study Japanese geography, and the social and family aspects of Japanese culture. Students are prepared for activities and instruction in Japanese. Students will be introduced to Japanese word processing applications.

Credit Status: Selective
Prerequisite: None

Japanese II Grade Level: 10-11 1 Credit

Japanese II is an early intermediate Japanese language course. Students master Katakana and 50 new Kanji characters to gain a functional mastery of 70 Kanji characters. Students learn vocabulary and language structures that allow them to write and speak about daily activities using compound sentences. Students study Japanese holidays and Japanese food in depth. Students learn Japanese computer word processing applications. This course is conducted almost exclusively in Japanese.

Credit Status: Selective

Prerequisite: Japanese I, Teacher Recommendation

Japanese III Grade Level: 11-12 1 Credit

Japanese III is an intermediate Japanese language course. Students use *Adventures in Japanese,* and learn to write and talk about school, seasonal, and holiday activities. They compare Japanese daily, seasonal, and holiday activities with those of people in the United States. Students master Japanese computer word processing applications.

Credit Status: Elective

Prerequisite: Japanese II (C grade or higher) and Teacher Recommendation

Japanese IV Grade Level: 12 1 Credit

Japanese IV is an early advanced Japanese language course. Students use *Adventures in Japanese* as well as *Deai* to read actual Japanese high school students' stories. Students learn to write and talk about their family, town, school life, hobbies, and part-time jobs. Students compare the experience of Japanese students to their own experiences.

Credit Status: Elective

Prerequisite: Japanese III (C grade or higher) and Teacher Recommendation

Advanced Japanese I, II, III, IV Grade Levels: 9-12 1 Credit

Advanced Japanese is designed for students who have gone through an immersion program. Students read Japanese folktales and cartoons. Students develop reading, writing, and speaking proficiency to negotiate the following situations: the future, trips, house, home-life, health, and communication. Students review Japanese films. This class is conducted entirely in Japanese. . Though this is not an AP Course, student may elect to take the AP Language Exam. These classes receive honors credit.

Credit Status: Selective

Prerequisite: Japanese IV (C grade or higher) and Teacher Recommendation

Fine Arts Department

Central Catholic High School's Fine Arts Department is focused on exploring, developing and nurturing the artistic gifts of each student in the disciplines of theater, music and visual arts.

Visual Arts

Art I Grade Level: 9-12 0.5 Credit

This course is an overview of basic art principles, methods, and media. The course is divided into four major areas of exploration: drawing, painting, design and mixed media. Projects may include drawing techniques, color theory, watercolor, pen and ink, pastels, and more.

Credit Status: Elective • Prerequisite: None • Fee: $50

Art II Grade Level: 9-12 0.5 Credit

This course goes in-depth to explore painting and drawing techniques and styles. The major projects and media will be tempera, watercolor, pen and ink, pastels, acrylics, and mixed media. There will also be some emphasis on art history and career choices.

Credit Status: Elective • Prerequisite: Art I • Fee: $50

Art III Grade Level: 10-12 1 Credit

Students in this course will contract with the instructor to produce at least two or more projects per grading period. They will be able to work independently, but will be subject to direct instruction, supervision, and constructive criticism of their work. There will also be an emphasis on art history, art career potentials, aesthetics and portfolio development where it is appropriate.

Credit Status: Elective
Prerequisite: Art II
Fee: $80

Art IV Grade Level: 11-12 1 Credit

Students in this course will contract with the instructor to produce more extensive and varied projects in each grading period. As in Art III, students work independently and are subject to direct instruction, supervision, and constructive criticism. There will also be an emphasis on aesthetics, art history, art career potentials, public displays of their work and portfolio development.

Credit Status: Elective
Prerequisite: Art III
Fee: $80

Computer Animation I Grade Level: 9-12 0.5 Credit

Students will learn to develop creative short movies and interactive computer animations, drawing from a library of over 700 3-D objects. Students will learn to use dialogue, expression, lighting, camera work and sounds to enhance story lines. As part of this creative process, students will also learn the basics of computer science.

Credit Status: Elective • Prerequisite: None

Computer Animation II Grade Level: 9-12 0.5 Credit

This course builds on the lessons learned in *Computer Animation I*, and students learn how to develop characters and worlds with much greater capabilities. Students use and develop their creative and artistic talents, as well as their logic and reasoning skills in putting together sophisticated, creative short movies and interactive animations. Students develop a good understanding of computer science, storyboarding, scripting and other theater/movie type skills using computer simulations.

Credit Status: Elective • Prerequisite: Computer Animation I

Stained Glass I Grade Level: 9-12 0.5 Credit

This course introduces the student to the elements of design, execution, and principles of the copper coil technique in stained glass. Students will learn the skills of cutting, grinding, foiling, soldering, leading and applying patina. A strong emphasis on design and originality is stressed. Students are required to display their final project for public critique in the school art show.

Credit Status: Elective • Prerequisite: None • Fee: $75

Stained Glass II Grade Level: 9-12 0.5 Credit

This course takes the serious glass student to the next level of design. A larger glass panel (between 125-200 pieces) will be executed with an improved knowledge of the elements of design. A wider choice of glass types and colors is available to the Stained Glass II student. Possible fusing of glass may be included in the process. Public exhibition of completed work is recommended and encouraged.

Credit Status: Elective • Prerequisite: Stained Glass I • Fee: $75

Ceramics I Grade Level: 10-12 0.5 Credit

This course introduces the student to ceramic techniques and materials. Throwing on the potter's wheel, hand building in clay, and introduction to sculpture are explored. Basic surface decoration and glazing techniques are covered. Students participate in stacking, firing, and the understanding of how a kiln operates.

Credit Status: Elective • Prerequisite: None • Fee: $75

Ceramics II Grade Level: 10-12 0.5 Credit

In this course serious ceramic students will get the opportunity to expand their knowledge in three major areas: throwing on the wheel, hand building and sculpture. The student will pick approximately three themes to explore and expand in conjunction with the teacher. Public exhibition of work is recommended.

Credit Status: Elective • Prerequisite: Ceramics I • Fee: $75

Printmaking Grade Level: 9-12 0.5 Credit

This is an introductory Printmaking course in which students are presented with three basic printing art forms: Linoleum Block, Safety-Kut and Silk Screen. Students will develop and transfer appropriate images to particular media surfaces and learn to use the tools and inks necessary to produce multiple aesthetic prints.

Credit Status: Elective • Prerequisite: None • Fee: $50

Photography I Grade Level: 10-12 0.5 Credit

This is a comprehensive beginning photography class covering the functions of a 35mm single-lens reflex camera. Students will learn how to develop film and print their own black and white photographs. Composition and using elements of design in a photograph will be covered and the history of photography explored.

Credit Status: Elective • Prerequisite: None

Requirement: Fully functional 35 mm SLR camera with manual controls

Fee: $65

Photography II Grade Level: 11-12 0.5 Credit

Students will practice and further develop basic camera and darkroom techniques that were covered in darkroom photography I. Subject matter such as portraits, photojournalism and artistic photography will be covered and students will learn more about photography as a form of communication and self-expression.

Credit Status: Elective • Prerequisite: Photography I

Requirement: Fully functional 35 mm SLR camera with manual controls

Fee: $70

Digital Photography I Grade Level: 10-12 0.5 Credit

This basic photography class will teach students about the functions and features of their digital cameras. They will also learn how to use the image editing software, Adobe Photoshop CS5 to correct, enhance and create photographic images. Students will begin to develop an understanding of the aesthetic foundations of photography and how photography is used in many aspects of life.

Credit Status: Elective • Prerequisite: None

Requirement: Digital camera with at least 8 mega pixels with manual control of the aperture and shutter, camera instruction manual, and USB cable or card reader

Fee: $55

Digital Photography II Grade Level:10-12 0.5 Credit

Students will continue to build on techniques covered in Digital Photography I and learn more in depth about the use of light and exposure in a photograph. Different types of photography such as portraiture, photo journalism and landscape will be explored. Photoshop CS5 will continue to be used and more advanced techniques introduced. Photography as a form of communication and artistic expression will be emphasized. Most projects will be done as outside of class and some assignment will be in class.

Credit Status: Elective

Prerequisite: Digital Photography I

Requirement: Digital camera with at least 8 mega pixels with manual control of the aperture and shutter(DSLR preferred), camera instruction manual and USB cable or card reader.

Fee: $55

Instrumental and Vocal Music

Electronic Music Lab I Grade Level: 9-12 0.5 Credit

Students are introduced to electronic music, MIDI, and composing. In this project-based class, students will work to produce a selection of original musical compositions using the computer programs Reason and Ableton Live.

Credit Status: Elective • Prerequisite: None • Fee: $75

Electronic Music Lab II Grade Level: 9-12 0.5 Credit

Students continue the course sequence begun in Electronic Music Lab I, learning live and recorded sound production, mixing, recording studio techniques, and sequencing. Students will use digital audio workstations on a variety of projects including CD production, audio editing, soundtrack preparation, and music notation with such programs as ProTools and Sibelius.

Credit Status: Elective • Prerequisite: Electronic Music Lab I • Fee: $75

Jazz Band Grade Level: 9-12 1 Credit

This class is for students continuing to learn to play a band instrument (woodwind, brass, percussion) and want to explore Jazz music and theory. This course will be rooted in the elements of Jazz theory, but will expose students to a wide range of musical styles besides Jazz. Practice and participation in performances are required. Instruments are provided if the school has them available. This class is only offered during zero period.

Credit Status: Elective
Exception: This course may be repeated multiple times for credit
Prerequisite: None

Advanced Jazz Band Grade Level: 9-12 0.5 Credit

This class is designed for experienced performers of Brass, Saxophone, or Rhythm Section (piano, bass, guitar and drum) instruments. Musical emphasis is jazz and related musical styles in both "Big Band" and ensemble formats. Special technical emphasis is given to sight-reading and improvisation skills. This group performs challenging material at concerts and festivals/competitions. Students will have opportunities to participate in Mt. Hood League, MENC, and OSAA events.

Credit Status: Elective
Exception: This course may be repeated multiple times for credit
Prerequisite: Jazz Band, Audition and/or Teacher Recommendation

Concert Choir Grade Level: 9-12 0.5 Credit

Students will learn and develop vocal skills for individual and group singing. A wide repertoire will be explored with the intention of providing students a historical and stylistic overview of music befitting a college preparatory curriculum, including singing in a variety of languages. Students will have opportunities to participate in Mt. Hood League, ACDA, MENC and OSAA events. Ensemble performances are expected for school and special events, both on and off campus.

Credit Status: Elective
Exception: This course may be repeated multiple times for credit
Prerequisite: None

Music Theory Grade Level: 9-12 0.5 Credit

This course gives students a basic knowledge of music theory fundamentals, develops their aural skills, and strengthens their dictation and notation abilities. Topics will include rhythm and pitch notation fundamentals, intervals, scales, chords, cadences, and simple functional harmonic analysis. Students will learn musical vocabulary and the definition and application of standard musical symbols. Musical excerpts will be presented throughout the course to demonstrate concepts and improve aural recognition of meter, cadence, intervals, and scale identification.

Credit Status: Elective
Prerequisite: None

Theatre Arts

Drama I - Beginning Acting Grade Level: 9-12 0.5 Credit

Students begin to learn the fundamentals of acting through improvisation and theatre games. An introduction to pantomime, vocal projection, motivated movement and character development are introduced. Students actively participate in front of the class in group and individual exercises, building confidence and concentration. Minimal memorization is required as the final project is the presentation of a monologue. Students are required to see two plays.

Credit Status: Elective • Prerequisite: None • Fee: $35

Drama II - Intermediate Acting Grade Level: 9-12 0.5 Credit

Students continue the acting course sequence by further developing their improvisation, voice, pantomime and external character building skills. Intermediate theatre games and playable objective exercises are combined with beginning scene study work to help students create believable characters. Memorization is required as the final project is the presentation of a scene. Students are required to see two plays.

Credit Status: Elective • Prerequisite: Drama I • Fee: $35

Drama III - Advanced Acting Grade Level: 10-12 0.5 Credit

Students further their study of acting by learning techniques to analyze and explore a character's internal feelings and emotional life. More complex monologues and scenes are read, analyzed and staged. A major component of this class is the writing of a children's theatre piece based on a book, myth or folklore of their choosing. Traditional theatre, puppets, video, dance and shadow play are some of the possible formats of presentation. Students are required to see two plays.

Credit Status: Elective • Prerequisite: Drama II • Fee: $35

Drama IV - Directing/Children's Theatre Production Grade Level: 10-12 0.5 Credit

Students expand their study of theatre by being introduced to the techniques and process of directing. Students will direct each other in advanced scene work and make ready for public presentation a production of their original one-act play or children's theatre piece. Students are required to see two plays.

Credit Status: Elective • Prerequisite: Drama III • Fee: $35

Musical Theatre Grade Level: 10-12 0.5 Credit

The focus of this course will be on developing the student's music, dance, and acting technique, with an emphasis on improving individual student needs. The course will follow a general instruction, lecture, and master class/workshop format where students will participate in staging, choreographing, rehearsing, and performing musical works for the stage. Students will learn, through authentic experience: vocal method, choreography, diction, blocking, and the art of the audition. Basic musical theater dance styles and combinations will be introduced and practiced. Students will synthesize learned skills through solo, duet, and ensemble musical theater performances that will take place during class. Course content will also include the development of Musical Theater: its history, playwrights, styles, genres, eras, and notable composers, including Porter, Kern, Rodgers & Hammerstein, Bernstein, Lerner & Loewe, Sondheim, Webber, Rice, and Hart. This course will culminate in an end-of-semester public showcase.

Credit Status: Elective

Exception: This course may be repeated multiple times for credit

Prerequisite: One semester in a Theater Arts or Vocal Music course at CCHS

Fee: $60 - Includes admission to local music theater production and songbook.

Play Production I Grade Level: 10-12 1 Credit

This class takes students "backstage and behind the scenes" where they will learn the fundamentals of lighting, sound, set construction, costuming, make-up and other aspects of technical theatre. The "front of house" duties including tickets, concessions, ushering etc. will also be included. Students are required to provide some weekend and evening work hours as this class is directly responsible for the technical support of each play produced at school. This class is a mixture of theory and practicum and encourages creativity, discipline, independent learning and responsibility. Students are required to see two plays.

Credit Status: Elective • Prerequisite: None • Fee: $35

Play Production II Grade Level: 10-12 0.5 Credit

Students continue a more in depth study and exploration of technical theatre. They become project managers, crew captains for hair, make-up, properties and light and sound board operators. Students are required to provide some weekend and evening work hours as this class is directly responsible for the technical support of each play produced at school. This class is a mixture of theory and practicum and encourages creativity, discipline, independent learning and responsibility. Students are required to see two plays.

Credit Status: Elective • Prerequisite: Play Production I • Fee: $35

Play Production III Grade Level: 10-12 .5 Credit

Students continue a more in depth study and exploration of technical theatre. They become project managers, crew captains for hair, make-up, properties and light and sound board operators. Students are required to provide some weekend and evening work hours as this class is directly responsible for the technical support of each play produced at school. This class is a mixture of theory and practicum and encourages creativity, discipline, independent learning and responsibility. Students are required to see two plays.

Credit Status: Elective • Prerequisite: Play Production II • Fee: $35

Technology/Business Department

The mission of the Central Catholic Technology/Business Department is to build a solid foundation in technology skills and business principles that will prepare the student for post-secondary study, entry-level business careers, or general knowledge in adherence with the mission of Central Catholic High School.

Students are required to take Integrated Computer Applications as an introduction to the world of technology. It is required that students take this class by the end of their sophomore year to prepare them for the demands of the junior and senior years. Students come to Central Catholic High School with a variety of experiences and education in technology. For this reason Central Catholic High school provides two options. Students may take Integrated Computer Applications or waive this requirement for graduation if they can demonstrate proficiency through a school-administered test. A score of 80% in the three different areas of Word, Excel, and PowerPoint denotes proficiency. Contact the Technology/Business Department Chair for testing dates and to sign up for the proficiency test. There is a $25 fee for taking the proficiency exam and a $10 re-testing fee. Students who have not passed the proficiency test or taken the class by the end of their sophomore year will automatically be assigned to Integrated Computer Applications their junior year.

Integrated Computer Applications Grade Level: 9-12 0.5 Credit

This semester course uses a mastery approach to teach computer skills. The course provides students with an introduction to keyboarding, word processing, spreadsheets, databases, PowerPoint and Internet research using Microsoft Office 2007. The Integrated Computer Applications course has been approved for the Portland Community College Dual Credit program. This program allows students to earn high school as well as college credit through PCC. The college credit earned is transferrable to most colleges or universities. Students are required to take this course by the end of their sophomore year.

Credit Status: Requirement
Prerequisite: None

Web Design Grade Level: 10-12 0.5 Credit

Students will learn to create, format, and enhance Web pages using HTML and XHTML in this course. A case-based, problem-solving approach is used to create simple to advanced Web sites. Students will design a web page working with fonts, colors, graphics, as well as using tables and frames. In addition, students will work with cascading style sheets, use multimedia, be introduced to Dreamweaver. The ethical use of technology as well as career options will also be explored.

Credit Status: Elective
Prerequisite: None

Graphic Design Grade Level 9-12 0.5 Credit

The Graphic Design curriculum is designed to provide students with knowledge and skills necessary to further their understanding of design, advertising, illustration and digital and multimedia preparation of printed and electronic promotional materials. This is a basic course with an emphasis on communication through use of concepts, type, and images. The course includes development of layout skills, style, and an introduction of logotype design. Students complete a series of design projects using effective layout and design concepts.

Credit Status: Elective
Prerequisite: None
Fee: $30.00

Computer Aided Drafting I Grade Level: 10-12 0.5 Credit

Students will learn the basics of 2-D CAD(Computer Aided Drafting) using AutoCAD. This course provides students with a step-by-step approach to computer aided drafting for mechanical, electrical, and architectural applications. Students will reinforce and refine skills as they move from basic to advanced skills. Projects are leveled to provide both skill-building and skill-challenging situations. Students will work at an individually paced rate using real world problems to create real world objects as they learn CAD skills.

Credit Status: Elective
Prerequisite: Geometry (or concurrent enrollment)
Fee: $50

Computer Aided Drafting II Grade Level: 10-12 0.5 Credit

Students will learn the basics of 3-D CAD(Computer Aided Drafting) using AutoCAD Revit®. This course builds upon their knowledge and provides students with a step-by-step approach to computer aided drafting for mechanical, electrical, and architectural applications. Students will reinforce and refine skills as they move from basic to advanced skills. Projects are leveled to provide both skill-building and skill-challenging situations. Students will work at an individually paced rate using real world problems to create real world objects as they learn various CAD skills.

Credit Status: Elective
Prerequisite: CAD I/Intro to Engineering
Fee: $50

Intro to Engineering Grade Level 10-12 0.5 Credit

Intro to Engineering introduces careers and concepts in various areas of engineering coordinated with course work in a variety of projects that may include electrical, mechanical, structural, technology, and computer engineering. Student will better understand the engineering concepts, mathematics, and scientific principles of engineering. The mathematics covered includes algebra and trigonometry. They will create models and simulate their designs.

Credit Status: Elective • Prerequisite: Algebra I
Fee: $30

Structural/Mechanical Engineering Grade Level 10-12 0.5 Credit

Students will problem solve many different engineering problems using high level math and critical thinking. Topics that will be investigated are mechanical and structural engineering while also touching on electrical engineering and material science. Students will produce professional models and presentations that will be intensive and will provide opportunities to display course work and understanding.

Credit Status: Elective

Prerequisite: Intro to Engineering/CAD/Teacher recommendation

Fee: $30

Entrepreneurship Grade Level: 10-12 0.5 Credit

Entrepreneurship is a course for students who want both entrepreneurial skills and hands on activities as they relate to starting and operating a business/e-business. Students will plan, implement and operate an electronic store. Students will design and maintain a web page, develop a product line, market and sell products, learn how to set up and maintain financial records, use multi-media to do promotions and advertising as well as establish a working relationship with the greater Central Catholic community.

Credit Status: Elective • Prerequisite: None

Fee: $15

Sports Marketing Grade Level: 10-12 0.5 Credit

Sports Marketing is designed to introduce the student to the unique application of marketing principles and processes. This applies to sport and sport event products as well as to the marketing of non-sport products through an association with sports. The course focuses on the principles of marketing utilized in the promotion of sports-related products. It encompasses the introduction of sports marketing principles and the application of those principles in a project based format.

Credit Status: Elective • Prerequisite: None

Fee: $15

Financing Your Future Grade Level: 10-12 0.5 Credit

Understanding and managing personal finances are key to one's future financial success. This one-semester course is based on Personal Finance competencies and presents essential knowledge and skills to make informed decisions about real world financial issues. Students will learn how choices influence occupational options and future earning potential. Students will also learn to apply decision-making skills to evaluate career choices and set personal goals. The course content is designed to help the learner make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success.

Credit Status: Elective • Prerequisite: None

Independent Study: Work Experience Internship Grade Level: 12 No Credit
This independent study program is designed to provide students an opportunity to engage in a work place experience in an internship relationship. Students planning their post-secondary education as well as those who expect to begin their careers immediately upon high school graduation can benefit from the program. Limited opportunities will be available through the program director and will need to be secured for a student to participate in this independent study program. This course is offered as an after school work place opportunity. The program coordinator along with the employer will serve as instructors and evaluators in this pass/no pass graded class. Training sessions will take place prior to placement in the business community. The program may assist students to determine areas of career interest and possibly help students successfully transition from school to a career.

Credit Status: Elective • Prerequisite: None

Wellness and Physical Education Department

The Wellness and Physical Education Department's mission is to provide its students with the opportunity to develop in mind, body and spirit. Through a comprehensive and unified approach in instruction, students will be exposed to the key components in developing a healthy life style.

Physical Education I: Boys and Girls Grade Level: 9 0.5 Credit
This class will provide each student with an introduction to a variety of activities emphasizing physical fitness, team and individual (lifetime) sports and recreation. Fundamentals, health practices, safety concerns, game rules, basic strategies, and skill development will be emphasized in each activity.

Credit Status: Requirement
Prerequisite: None

Wellness I Grade Level: 9 0.5 Credit
The content of this course will be drawn from the broad areas of physical, social, and mental health. Emphasis is placed on the wellness approach based on Christian values covers some of the following health issues:body systems, fitness, sexuality, stress management, communication skills, mental and emotional health, family and social health, communicable and non-communicable diseases,and substance abuse. Goal setting, decision making, and relationships are also explored.

Credit Status: Requirement
Prerequisite: None

Physical Education II: Boys and Girls Grade Level: 10 0.5 Credit
This course will provide each student with an additional exposure to a variety of activities emphasizing physical fitness, individual (lifetime) sports, recreation, and some team sports. Fundamentals, health practices, safety concerns, game rules, basic strategies, and skill development will be emphasized in each activity.

Credit Status: Requirement
Prerequisite: None

Wellness II Grade Level: 10 0.5 Credit

The contents of this course will cover the following subject areas: First Aid and CPR, fitness, nutrition, sleep, anatomy and physiology, substance abuse, disease and prevention, health careers, and a segment on addictions. Upon successful completion of practical and written tests, students will be issued first aid and /or CPR cards.

Credit Status: Requirement
Prerequisite: None

Weight Training Grade Level: 9-12 0.5 Credit

Weight training gives students a base for proper and safe techniques for all lifts, how and why to use different lifts as well as the purpose of sets and reps. Through this program, the student will develop strength in the muscles that surround the major joint areas of the body that should help prevent athletic injuries as well as enhance their athletic ability and performance. Students will design a fitness program to meet their particular needs and gain an understanding of the life-long benefits of weight training.

Credit Status: Elective
Exception: This course may be repeated multiple times for credit
Prerequisite: None

Women's Weight Training Grade Level: 9-12 0.5 Credit

Women's Weight Training gives students a base for proper and safe techniques for all lifts, how and why to use different lifts as well as the purpose of sets and reps. The student will be able to design a fitness program to meet their particular goals. Cardiovascular activities are incorporated in the weight training program. This class will be geared toward a woman's needs.

Credit Status: Elective
Exception: This course may be repeated multiple times for credit
Prerequisite: None

EB Weight Training Grade Level: 9-12 0.5 Credit

This Early Bird class starts at 7:00 A.M. each morning. Advanced Weight Training enables the student to learn the proper and safe techniques for lifting weight. Through this program, the student will develop strength in the muscles that surround the major joint areas of the body. This will prevent athletic injuries as well as enhance their athletic ability and performance. Students will also develop an understanding of the life-long benefits of weight training. This class is only offered during zero period (7 am). Be sure to indicate if you intend to take this course in the Fall (F), Spring (S) or for the full year (Y).

Credit Status: Elective
Exception: This course may be repeated multiple times for credit
Prerequisite: None

Sports Strategies Grade Level: 11-12 0.5 Credit

This semester course is designed for both boys and girls who want to better understand several different strategies used by coaches in both team and individual sports. Active participation with skill development, as well as classroom participation will be required. The following sports may be explored: racquetball, tennis, bowling, volleyball, team handball, pickleball, badminton, chess, floor hockey, mushball and golf. Conditioning will be included for specific activities.

Credit Status: Elective
Prerequisite: None
Fee: $60

Lifetime Fitness Grade Level: 11-12 0.5 Credit

Lifetime Fitness is designed to expose students to a wide variety of activities in which they can be involved throughout their lives. Students will receive fundamental basics in selected activities as well as learn how to seek out activities based on their needs and desires. The following sports may be explored: yoga, rock climbing, mountain biking, rollerblading, white-water rafting, orienteering, hiking, snow shoeing, and circuit training.

Credit Status: Elective
Prerequisite: None
Fee: $75

Sports Medicine/Nutrition and Fitness Grade Level: 11-12 0.5 Credit

This semester course is an introduction to sports medicine and nutrition. It will include a history of different occupations in the field and a study of anatomy, including point movement and how bones and muscles work together. Students will also learn about different types of injuries (acute and overuse), as well as injury assessment and rehabilitation. Nutrition sections will cover food values, caloric intakes, eating disorders and performance nutrition.

Credit Status: Elective
Prerequisite: None
Fee: $45

General Electives and Programs

The following courses may be taken for elective credit only and are not to be used to fulfill department requirements. Students may take only one of the following electives per semester.

Office Aide Grade Level: 11-12 0.5 Credit

Office aides serve Central Catholic by carrying out important tasks such as assisting with clerical work, posting and delivering messages, collecting attendance slips, etc. A small group of students will be assigned to the Attendance Office each period and may be utilized in various locations depending on need. Students receive a pass/fail grade.

Credit Status: Elective
Prerequisite: Responsible and self-motivated individuals who are in good standing with the school

Teacher Assistant (TA) Grade Level: 11-12 0.5 Credit

Students are assigned to an individual teacher, librarian, staff or administrator. Students will assist the staff member with clerical duties. Students receive a pass/fail grade. Assignment is based on only one TA per teacher, when the teacher has an assigned class.

Credit Status: Elective • Prerequisite: Application and Approval

Academic Tutor Grade Level: 11-12 0.5 Credit

Students will tutor individuals as well as small groups of students in areas they have previously studied and have some expertise. Tutors will be assigned to specific classes such as foreign language, Language Arts or Math Labs. By helping others, student tutors will practice skills and concepts they have learned, thereby strengthening their own understanding. This experience may help students making a decision about pursuing a career in teaching. The academic tutor will be under the direction and supervision of the classroom teacher. Students receive a pass/fail grade. Students receive a pass/fail grade. Assignment is based on only one Academic Tutor per class with a maximum of two Academic Tutors per teacher.

Credit Status: Elective
Prerequisite: Advanced skills in the area in which they will tutor others, Teacher Recommendation, Application and Approval

Study Hall Grade Level: 9-12 No Credit

Students may elect to take a study hall each semester. This course is not taken for credit but allows students to work on homework, and/or do research in the library. Students are expected to keep busy the entire period and the teachers assigned will maintain a quiet environment for study.

Credit Status: Elective • Prerequisite: None

Math Study Hall Grade Level: 9-12 No Credit

Students who wish to take a study hall may elect to be in a math study hall each semester. This course is not taken for credit but allows students to work on homework for all subjects. A math teacher will be proctoring the study hall and will be available to help answer math questions. Students are expected to keep busy the entire period and the teachers assigned will maintain a quiet environment for study.

Credit Status: Elective • Prerequisite: None

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