

# 2017-2018

## CALVERT CATHOLIC SCHOOLS

***Dear Parents and Students,***

*The Academic Curriculum Guide contains very important information about Calvert High School's Academic Program. Planning the academic schedule for the 2017-18 school year begins with each of you reading and reviewing this guide. When planning for next year's schedule, please make sure that long-term goals are considered.*

*The schedule of courses planned for the 2017-18 school year will be based on student requests as indicated by their online course selections. It is important to choose courses carefully and select a balanced program. **Changes are discouraged and will only be considered in cases of absolute necessity.** Once the decisions are made, students should understand that they have made a commitment to abide by their choices throughout the coming school year, thus eliminating the need for course changes in the fall.*

***\* Calvert High School reserves the right to cancel a class.***

### **SCHEDULE CHANGE POLICY**

If a schedule change is necessary, it must be completed within the first two weeks (10 class days) of school. Schedule change requests to drop and/or add a course will be processed through the guidance department, prior approval by the Principal may be required.

### **GRADUATION REQUIREMENTS**

All students graduating from Calvert High School must meet the minimum requirements as specified by the Ohio State Department of Education, the Diocese of Toledo, and Calvert Catholic Schools. All credit is awarded on a semester basis. If a student fails one semester of a year long course, but passes the other, he/she will receive 1/2 credit. **Arrangements for making up the missed credit must be made before continuing to the next level of a class.** Online credit recovery options are available at a cost to the family.

In order to receive a high school diploma a student must have completed the following:

1. Received the required credits (24)
2. Reached a passing cumulative score on the Ohio State End-of-Course exams, or reached a passing score in English, Reading, and Math on the ACT, or reached a passing cumulative score on career-based assessments (Sentinel students only)
3. Passed the Senior Project
4. Attended the class retreats each year of attendance (including the Kairos Senior Retreat)

### **STANDARDIZED TESTING GRADUATION REQUIREMENT**

The Ohio Department of Education has designed three different pathways towards graduation that require standardized testing. Students must meet **one** of the pathways in addition to earning the

required number of high school credits to graduate. The testing pathways are:

1. Students must take seven end-of-course exams (English 9, English 10, Algebra I, Geometry, American History, American Government, and Biology). These exams are scored out of 5 points. Students must earn a total of 18 points (including a combined 4 points in English, 4 points in math, and 6 points in social studies and science) on these exams for graduation.
2. In Spring of the junior year, all students are now required to take the ACT. Students must earn a minimum of a score of 18 in English, 22 in Math, and 22 in Reading to qualify for this pathway.
3. Students may earn an industry credential in a career field and earn a score of 13 on WorkKeys, a work-readiness assessment. This pathway is available only to students who attend Sentinel.

### **CALVERT & STATE OF OHIO GRADUATION REQUIREMENTS**

Yr.	Religion	English	Social Studies	Math	Science	Health/ P.E.	Fine Art	Tech	Elec.	Total
18-21	4	4	3	4	3	1	1	.5	3.5	24.0

*\* Please note: the above are subject to change by the Ohio Department of Education.*

*\*\* Students may have the high school P.E. requirement waived by successful participation in two seasons of interscholastic athletics, marching band, or cheerleading. Students need to obtain the waiver form from the guidance office. This form must be completed and signed by the student, parent, and school counselor.*

### **CALVERT REQUIRED COURSES**

Social Studies: American History, World History, Government, and Personal Finance  
 Science: Physical Science, Biology  
 English: English 9, English 10, English 11  
 Technology: Grade 9  
 Health: Grade 9  
 Religion: Religion I, Religion II, Religion III, Religion IV

### **CREDIT RECOMMENDATIONS FOR THE COLLEGE-BOUND STUDENT**

English, Math, Science and Social Studies: 4 Years  
 Foreign Language: Minimum 3 Years of the Same Language  
 Fine Arts (*includes Music, Drama, Art, or Graphic Arts*): 1 Year

### **COLLEGE CREDIT PLUS PROGRAM**

Students may be eligible to participate in the College Credit Plus Program and take classes for high school and college credit at local institutions of higher learning. Students and parents must attend a mandatory meeting each year as required by the Ohio Department of Education. The student must submit the proper applications to the college. This program is intended to be an enhancement and

addition to a regular high school course of study.

Students and parents must be aware of the following points:

1. For behavioral issues, students attending a college are still under the control of Calvert.
2. A college is under no obligation to accept students simply because Calvert allowed them to apply. Student GPA and ACT scores will be used by the universities for admittance into this program.
3. A written agreement covering behavior, travel arrangements, and expectations will be signed by Calvert, the student, and the parents of any student accepted into this program.
4. Unless a student is failing, he/she is expected to stay in the class in which he/she is enrolled. Dropping a College Credit Plus Class will result in a W/F (Withdrawal/Failure) at Calvert.
5. **Students will be expected to maintain their scheduled classes at Calvert during second semester. Students will NOT be permitted to drop or change the period of a Calvert class second semester in order to schedule a College Credit Plus Class.**

### **GRADE POINT AVERAGE**

The GPA of all students is calculated at the end of each semester. The official grade point average will be computed equally for all students and is based on the standard 4.0 system, i.e. A = 4, B = 3, C = 2, D = 1, F = 0. **The GPA will include the average of all credits attempted.**

### **DIPLOMA WITH HONORS**

#### **High School Academic Diploma with Honors**

\*Students need to fulfill only 7 of the following 8 criteria

1. **English – 4 units**
2. **Mathematics – 4 units**, including Algebra I, Geometry, Algebra II and another higher-level course or a four-year sequence of courses that contain equivalent content.
3. **Science – 4 units**, including physics and chemistry
4. **Social Studies – 4 units**
5. **Foreign Language – 3 units** (3 units of one language or 2 units each of two languages)
6. **Fine Arts – 1 unit**
7. **Career-Technical** – Not counted toward criteria; may not be used to meet requirements
8. **Electives** – Not counted toward requirements
9. **Grade Point Average – 3.5** on a 4.0 scale
10. **ACT/SAT Score (excluding scores from the writing section)- 27 ACT/1210 SAT**

Diploma with Honors requirements pre-suppose completion of all high school diploma requirements in Ohio Revised Code including:

- ½ unit physical education (or waiver)
- ½ unit health
- ½ unit in American History
- ½ unit in government

# ACADEMIC DEPARTMENTS

## RELIGION DEPARTMENT

The Religion Department at Calvert is committed to pass on to our students sound Doctrine as provided to us through the *Catechism of the Catholic Church*. The Catholic Church published the *Catechism of the Catholic Church* in 1992. The *Catechism* presents the essential teachings of our Catholic faith authoritatively, systematically, and comprehensively. This is a valuable and remarkable resource for the teaching of Theology within our school. The *Catechism* provides for our teachers a resource that compiles the teachings of Sacred Scripture and 200 years of Sacred Tradition, which allows them to teach, not from opinion, but from the Truth.

### COURSE OFFERINGS OUTLINE (Required: 4 credits)

- |                |          |       |
|----------------|----------|-------|
| ● Religion I   | 1 credit | GR 9  |
| ● Religion II  | 1 credit | GR 10 |
| ● Religion III | 1 credit | GR 11 |
| ● Religion IV  | 1 credit | GR 12 |

### **RELIGION I (7001)**

**ALL YEAR = 1 CREDIT**

**GR 9**

#### ***Required***

PART ONE: FAITH AND REVELATION- Purpose: To give students a general knowledge and appreciation of Sacred Scriptures by encountering Jesus as the living Word of God. Students will learn about Divine authorship through inspiration, about the Bible's value to people throughout the world, and how to read the Bible. They will also become familiar with major sections and books of the Bible, with special attention to the Gospels.

PART TWO: WHO IS CHRIST? - Purpose: To introduce students to Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity, by understanding Jesus as the ultimate revelation to man from God. Students will also learn who Christ calls them to be.

### **RELIGION II (7002)**

**ALL YEAR = 1 CREDIT**

**GR 10**

#### ***Required***

PART ONE: THE MISSION OF CHRIST - Purpose: To understand all which God has done for us through his Son, Jesus Christ. Students will learn God's plan from all eternity to share eternal happiness with us, will see the accomplishment of God's plan through the redemption Christ won for us, will realize that Jesus is the only way to share in this redemption, and will learn the meaning and ramifications of being a disciple of Christ.

PART TWO: CHRIST THE CHURCH - Purpose: To help students understand that in and through the Church they encounter the living Jesus Christ. Students will understand the fact of the Church's founding by Christ through the Apostles and how the Church is sustained by Christ through the Holy Spirit. Students will learn that the Church is the living Body of Christ today with both divine and human elements.

**RELIGION III (7003)****ALL YEAR = 1 CREDIT****GR 11****Required**

PART ONE: CHRIST AND THE SACRAMENTS - Purpose: To help students understand that they can encounter Christ today in a full and real way in and through the Sacraments, especially the Eucharist. Students will examine each of the Sacraments and learn how to encounter Christ throughout life.

PART TWO: MORAL LIVING IN CHRIST - Purpose: To help students understand that it is only through Christ that they can fully live out God's plans for their lives. Students will also learn the moral concepts and precepts that govern the lives of Christ's disciples.

**RELIGION IV (7004)****ALL YEAR = 1 CREDIT****GR 12****Required**

PART ONE: THE CALL OF CHRIST: THEOLOGY OF THE BODY AND CHRISTIAN VOCATION -

Purpose: To help students understand the vocations of life by learning how vocations are similar and how they differ. Students will learn the value of living in service to others and consider a vocation in service to the Christian Community. They will also understand the beauty of love in the Divine plan by studying the Theology of the Body.

PART TWO: THE WORD OF GOD: AN IN-DEPTH STUDY OF THE BIBLE - Purpose: To give an overview of Sacred Scripture with an introduction to the basic principles for understanding and interpreting the Bible. Because of the extent of the scriptural material, this outline will not cover the vast content, but rather offer comments about Scripture's purpose and religious significance. Given the limits of time, it will not be possible to introduce all the books of the Bible, but every effort is made to project a sense of the unity of the narrative for the divine plan of salvation, the presence of God's action in this record of his Revelation, and his desire to share his merciful love with humanity.

**ART DEPARTMENT**

**Please note that students may be required to purchase supplemental materials for classes.**

**COURSE OFFERINGS OUTLINE**

- |                   |          |          |
|-------------------|----------|----------|
| • Art I           | 1 credit | GR 9-12  |
| • Art II          | 1 credit | GR 10-12 |
| • Art III         | 1 credit | GR 11-12 |
| • Art IV          | 1 credit | GR 12    |
| • Graphic Arts I  | 1 credit | GR 10-12 |
| • Graphic Arts II | 1 credit | GR 11-12 |

**ART I (1071)****ALL YEAR = 1 CREDIT****GR 9-12**

This is a beginning course in the fine arts designed to introduce students to the fundamental elements and principles of art and art production. Students will explore a variety of media and techniques through the completion of class projects, with an emphasis on developing good drawing skills.

Students will learn the techniques of the drawing process and how to use them with black and white and color media. Student work is evaluated by objectives defined prior to the start of each project as well as by class participation.

- ★ Supplies: Sketchbook, 3-Ring Binder, Pencil Box, Two #2 Pencils, Two Black Gel or Sharpie Pens, Big Eraser, Colored Pencils

### **ART II (1053)**

**ALL YEAR = 1 CREDIT**

**GR 10-12**

#### ***Prerequisite: Art I***

Eligibility for Art II is determined by each student's potential talent, interest, and self-discipline to complete coursework in ART I. Art II involves advanced study and greater problem solving than Art I. Students will build on the knowledge and skills learned in Art I. Emphasis is placed on the continued development of drawing skills through observation and greater exploration of media such as ceramics, painting and printmaking. Most class time will be spent on assigned work; however, students will have opportunities to explore independent ideas.

- ★ Supplies: Sketchbook, 3-Ring Binder, Pencil Box, Two #2 Pencils, Two Black Gel or Sharpie Pens, Big Eraser, Colored Pencils

### **ART III (1054)**

**ALL YEAR = 1 CREDIT**

**GR 11-12**

#### ***Prerequisite: A or B in Art II***

Students successfully completing Art II, exhibiting a high level of artistic and creative ability and self-discipline, are eligible for entrance into Art III. Mastery of various techniques and media are encouraged in Art III. Emphasis is placed on the development of personal style and creative ideas. A high level of self-discipline and responsibility is expected as some class time is devoted to the development and completion of independent coursework approved by the instructor.

- ★ Supplies: Sketchbook, 3-Ring Binder, Pencil Box, Two #2 Pencils, Two Black Gel or Sharpie Pens, Big Eraser, Colored Pencils

### **ART IV (1055)**

**ALL YEAR = 1 CREDIT**

**GR 12**

#### ***Prerequisite: A or B in Art III***

Students exhibiting a high level of creativity, ability, self-discipline, and dedication to their craft will be accepted into Art IV. Students in Art IV will be expected to develop and pursue independent study projects with the instructor's approval. The continued development of a portfolio is emphasized while exploring art-related careers and college art programs.

- ★ Supplies: Sketchbook, 3-Ring Binder, Pencil Box, Two #2 Pencils, Two Black Gel or Sharpie Pens, Big Eraser, Colored Pencils

### **GRAPHIC ARTS I (1049)**

**ALL YEAR = 1 CREDIT**

**GR 10-12**

#### ***A digital camera is required.***

This yearlong course combines Graphic Design and Photography. Students will use In-Design; they will also study the basics of photography and learn strategies to create dynamic and compositionally sound photography in black and white and color. The introduction of Photoshop will be used to correct, enhance, and modify photography. Illustrator will be introduced as a design tool for the students to develop their graphic design techniques.

### **GRAPHIC ARTS II (1050)**

**ALL YEAR = 1 CREDIT**

**GR 11-12**

#### ***Prerequisite: Graphic Arts I***

This course is for those students who are looking to enhance their design skills and further master the Adobe Creative Suite. Students will build on their knowledge from Graphic Arts I regarding photo

manipulation, layout and design, design development and photography. Working from original concepts and developing them through the various software will be stressed. Greater problem-solving will be essential while students use the elements and principles of design on a deeper level.

## **ENGLISH DEPARTMENT**

### **COURSE OFFERINGS OUTLINE (Required: 4 credits)**

• English 9 (required)	1 credit	GR 9
• English 10 (required)	1 credit	GR 10
• English 11-American Literature (required)	1 credit	GR 11
• English 12-British Literature	1 credit	GR 12
• Speech & Composition	1 credit	GR 11-12

### **Criteria for the English Laureate Award:**

1. Required courses taken at Calvert:
  - English 9- four quarters
  - English 10- four quarters
  - English 11-(American Literature)- four quarters
  - English 12 (British Literature)-first semester only
2. Students must have all A's in these classes.
3. In the event of a tie, the student's transcript, resume, and GPA will be used.

### **ENGLISH 9 (3151)**

**ALL YEAR = 1 CREDIT**

**GR 9**

#### ***Required***

The literary genres of short story, novel, drama, poetry, and nonfiction will be studied. A research paper is required and will be completed in the MLA format. One quarter will be devoted to the construction of this paper. Writing skills are practiced and grammar used in writing is reviewed.

### **ENGLISH 10 (3161)**

**ALL YEAR = 1 CREDIT**

**GR 10**

#### ***Required***

This course will focus on the structure of literature including short stories, poetry, speeches, drama, and will incorporate students' creative writing talents. Speech skills, including eloquence and delivery, will be implemented through group reading and presentations of individual works. Essay writing, research, spelling, and vocabulary will be emphasized throughout the content areas.

### **ENGLISH 11-AMERICAN LITERATURE (3156)**

**ALL YEAR = 1 CREDIT**

**GR 11**

#### ***Required***

This course is designed to provide students with an understanding of how literature from the United States corresponds to its historical development. A yearly focus will be on a survey of Pre-Colonial times through the 20th century. Essay writing, research, spelling, and vocabulary will be emphasized throughout the content areas.

### **ENGLISH 12-BRITISH LITERATURE (3162)**

**ALL YEAR = CREDIT**

**GR 12**

Students will read *Beowulf*, *Canterbury Tales*, *Frankenstein*, short stories, poetry and Shakespeare. This course emphasizes British history and geography as well as essay writing. Students will also

choose a British novel to read, analyze, and present to their class.

### **SPEECH & JOURNALISM (3154)**

**ALL YEAR = 1 CREDIT**

**GR 11-12**

This course focuses on the fundamentals of public speaking and writing. The formation of the oration includes organization and research skills. Eloquence of language, style of delivery, and the skill of perception of the orator's message by the audience will be stressed. The process of expository, narrative, and analytical writing is covered to help students develop into thoughtful, critical, and creative writers. Students will complete interviews and create the school newspaper. Emphasis is placed on the essay structure and the length and detailed support needed for the type of writing expected at the college level. Grammatical concepts used in writing will be reviewed and applied throughout the compositions. Students will learn and practice editing and reviewing skills.

## **FOREIGN LANGUAGE**

### **COURSE OFFERINGS OUTLINE (Strongly recommend 3 years of the same foreign language if planning on attending college)**

- |               |          |          |
|---------------|----------|----------|
| • Spanish I   | 1 credit | GR 9-11  |
| • Spanish II  | 1 credit | GR 10-12 |
| • Spanish III | 1 credit | GR 11-12 |
| • AP Spanish  | 1 credit | GR 12    |

### **SPANISH I (4201)**

**ALL YEAR = 1 CREDIT**

**GR 9-11**

Students will learn to read, speak, and write in Spanish on topics of friends, school, shopping, restaurants, family and homes, sports, health, hobbies, and simple daily routine. They will build up a vocabulary that will enable them to understand the spoken Spanish. They will also be able to read materials that use present, future, and simple past tenses.

### **SPANISH II (4202)**

**ALL YEAR = 1 CREDIT**

**GR 10-12**

Students will expand their skills of reading, speaking, and writing in Spanish on topics of hobbies, holidays, health, technology, travel, seasons, and daily travel. They will greatly expand their vocabulary and listening comprehensions. In this second year, they will further study/experience Spanish cultural activities.

### **SPANISH III (4203)**

**ALL YEAR = 1 CREDIT**

**GR 10-12**

Spanish III is designed to refine and build upon the listening-comprehension, speaking, reading, grammar, and writing skills of Spanish I and II. Short stories, newspapers, and magazines will be read and discussed in Spanish. Students will be guided in the continual development of writing skills in Spanish. Cultural Activities are integrated into the program.

### **AP SPANISH (4204)**

**ALL YEAR = 1 CREDIT**

**GR 12**

***Prerequisite: A Average in Spanish III or Recommendation of Instructor***

This course is designed for students who plan to attend college. It will prepare them to either test out of required courses or to have those requirements fulfilled, depending upon the university. The history

of Spain and Latin America and their great historical persons are taught in Spanish and illustrated through the corresponding literary selections. Conversation, writing, and listening comprehension activities are part of this course. Students enrolled in this course may have the option to take the AP exam at the end of the school year. This course will use an online provider for curriculum.

## **MATHEMATICS DEPARTMENT**

### **COURSE OFFERINGS OUTLINE (Required: 4 Credits)**

• Algebra I (required)	1 credit	GR 9
• Geometry (required)	1 credit	GR 10
• Algebra II (required)	1 credit	GR 11
• Pre-Calculus	1 credit	GR 11-12
• Calculus	1 credit	GR 12
• Math Applications	1 credit	GR 12

### **ALGEBRA I (6360)**

**ALL YEAR = 1 CREDIT**

**GR 9**

#### ***Required***

This course is the foundation for high school mathematics courses. It is the bridge from the concrete to the abstract study of mathematics. Topics include simplifying expressions, evaluating and solving equations and inequalities, and graphing linear and quadratic functions and relations. Real world applications are presented within the course content and a function's approach is emphasized.

### **GEOMETRY (6361)**

**ALL YEAR = 1 CREDIT**

**GR 10**

#### ***Required***

#### ***Prerequisite: Successful completion of Algebra I***

This course develops a structured mathematical system employing both deductive and inductive reasoning. It includes plane, spatial, coordinate, and transformational geometry. Algebraic methods are used to solve problems involving geometric principles.

### **ALGEBRA II (6362)**

**ALL YEAR = 1 CREDIT**

**GR 11**

#### ***Required***

#### ***Prerequisite: Successful completion of Geometry***

This course extends the topics first seen in Algebra I and provides advanced skills in algebraic operations. Additionally, linear and quadratic functions and relations, conic sections, exponential and logarithmic functions, graphing, and sequences and series will be explored.

### **PRE-CALCULUS (6357)**

**ALL YEAR = 1 CREDIT**

**GR 11-12**

This course includes the study of polynomial and rational functions and their graphs, conic sections, polar coordinates, parametric equations and their graphs, logarithms, exponential equations, and trigonometry.

### **CALCULUS (6358)**

**ALL YEAR = 1 CREDIT**

**GR 11-12**

#### ***Prerequisite: Pre-Calculus***

This is an intensive study of trigonometry, limits, derivative and integration techniques with an emphasis on application and modeling geometrically, numerically, analytically and verbally.

**MATH APPLICATIONS(6356s)****ALL YEAR = 1 CREDIT****GR 12**

Math applications is an algebra-based course that is intended to provide a 4th credit in mathematics. It builds upon topics in Algebra I and introduces selected topics from upper level math courses in a developmentally appropriate way. In the first semester, the mathematical content is motivated by and integrated with units on banking, credit, insurance, budgeting, taxes, investing, employment, and retirement planning. During the second semester, concepts in statistics, probability, and trigonometrics may be introduced.

**MUSIC DEPARTMENT****COURSE OFFERING OUTLINE**

● Concert Band	1 credit	GR 9-12
● Choir	½ credit	GR 9-12
● Marching Band	½ credit	GR 9-12
● Pep Band	½ credit	GR 9-12
● Drama	1 credit	GR 9-12
● Music Technology	1 credit	GR 9-12

**CONCERT BAND (0451)****ALL YEAR = 1 CREDIT****GR 9-12**

Band is available each of the four (4) years. Band members will study significant band literature and learn musicianship through performance. Students will prepare solos and small chamber ensembles at least once per year. Students in this class may be selected for the pit orchestra for the school musical. Band members are encouraged, but not required, to take private lessons. This class meets every day.

**MARCHING BAND (0453)****SEMESTER = ½ CREDIT****GR 7-12**

Students enrolled in this course will learn and perform a variety of musical styles. They will build skills in tone production, music reading, intonation, and listening. They will learn corps-style marching and maneuvering. The Calvert Seneca Marching Band performs at all home and away football games and other community functions. All students enrolled in this course should also be enrolled in the concert band counterpart, unless other arrangements have been made with the teacher. This course takes place first semester and meets outside of school hours. Students enrolled must attend Band Camp which is held at the school in the three weeks before school begins.

**\*Students have the option of taking this class for credit; credit will be awarded on a pass/fail basis.**

**PEP BAND (0458)****SEMESTER = ½ CREDIT****GR 7-12**

Pep band is available each of the four (4) years. Students enrolled in this course will continue to learn and perform a variety of musical styles. The Calvert Seneca Pep Band performs at all home basketball games and pep rallies. This course will meet outside of school hours and will take place second semester.

**\*Students have the option of taking this class for credit; credit will be awarded on a pass/fail basis.**

**CHOIR (0452)****ALL YEAR = 1 CREDIT****GR 9-12**

Choir is available each of the four (4) years. If you have the interest, desire and enthusiasm for vocal excellence, choir can provide you with the opportunity for self-expression, and at the same time, lend some balance to your academic schedule. Choir members participate at Mass, concerts, festivals, and contests. On occasion, practice may be scheduled outside of class time in order to prepare for a concert or a contest. A basic understanding of music theory will also be developed during the course.

**DRAMA (0459)****ALL YEAR = 1 CREDIT****GR 9-12**

This class is designed for students with enjoyment and appreciation for all aspects of theatre. Classwork focuses on the exploration of theatre literature, performance, historical and cultural connections, and technical requirements. Improvisation, creative dramatics, and beginning scene work are used to introduce students to acting and character development. Incorporation of other art forms in theatre also helps students gain appreciation for other art forms, such as music, dance, and visual art. During the first semester, students may have the opportunity to produce a fall play; during the second semester, students will have the opportunity to help in the production of the musical.

**MUSIC TECHNOLOGY (0454)****ALL YEAR = 1 CREDIT****GR 9-12**

Music Technology is a class that covers the fundamentals of music technology and gives students the opportunity to create, discuss, read and listen to music made with technology. Topics covered include audio editing, sequencing software, remixing, sound systems, synthesizers, DJing and other modern music themes. A student is not required to have a background in music to be in Music Technology.

**HEALTH AND PHYSICAL EDUCATION DEPARTMENT****COURSE OFFERINGS OUTLINE (Required: ½ credit Health; ½ credit Physical Education)**

- Health ½ credit GR 9

**\*Please refer to graduation requirements for the waiver option for physical education.**

**HEALTH (0503)****1 SEMESTER = ½ CREDIT****GR 9**

This course is to include topics covering consumer and environmental health, smoking, drug abuse, and alcohol education and their effects on the body systems. Human growth and development will also be examined.

**PUBLICATIONS DEPARTMENT****COURSE OFFERINGS OUTLINE**

- Yearbook

**YEARBOOK (2114)****1 YEAR = 1 CREDIT****GR 9-12**

Yearbook is available each of the four (4) years. The focus of this course is the production of the Calvertana. Students will learn the rules of layout and design using computer programs, yearbook terms, and journalism techniques. Yearbook students are responsible for fundraising through advertising and yearbook sales. Students will also take photographs of school events and work in cooperation with the photograph studio. Students will help distribute class and special event pictures.

## **SCIENCE DEPARTMENT**

### **COURSE OFFERINGS OUTLINE (Required: 3 credits)**

• Physical Science	1 credit	GR 8-9
• Biology	1 credit	GR 9-12
• Advanced Biology & Anatomy	1 credit	GR 11-12
• Chemistry	1 credit	GR 11-12
• Physics	1 credit	GR 12

### **PHYSICAL SCIENCE (8561)**

**ALL YEAR = 1 CREDIT**

**GR 8-9**

#### ***Required***

This course is designed as an introduction to the physical sciences. The chemistry component will include lab and chemical safety and an introduction to compounds, equations, the periodic table, acids and bases. The physics component will introduce the students to forces, waves, electricity, and magnetism. Emphasis is placed upon the development of scientific literacy and understanding, which will continue in subsequent science coursework.

### **BIOLOGY (8554)**

**ALL YEAR = 1 CREDIT**

**GR 9-12**

#### ***Required***

This introductory life science course examines basic biological and scientific ways of knowing. Students will investigate essential concepts of scientific inquiry and measurement, cells, Mendelian genetics, evolution and classification of species, Ecology, and environmental awareness. Students will practice utilizing scientific measurements, performing investigations using good technique and application of the scientific process, as well as develop critical thinking strategies to create their own procedures and investigations. Emphasis will be on study of characteristics of life, the relationship between form and function, survival strategies, migrations, and diversity of living organisms. Students will participate in various lab activities, demonstrations, and simulations pertaining to the units they study.

### **ADVANCED BIOLOGY & ANATOMY (8555)**

**ALL YEAR = 1 CREDIT**

**GR 10-12**

This course is a continuation of investigations pertaining to biological principles and scientific ways of knowing. This course is designed for highly motivated students interested in broadening their understanding of the living organism and natural systems. The course will encompass the core concepts of genetic inheritance, gene technology, and evolutionary trends, classification of species and animal behavior, botany, ecology, and environmental impact and awareness. Students will participate in a multitude of lab activities, demonstrations, and simulations that emphasize student-inspired experimental design, research, and preparation of findings, with orientation to future career pathways. This course also covers a comprehensive and detailed study of the structure and function of the systems of the human body. Students will utilize a variety of materials to conduct investigations and research of systems, human related injuries and diseases, and medical career opportunities.

### **CHEMISTRY (8556)**

**ALL YEAR = 1 CREDIT**

**GR 10-12**

***Prerequisite: A or B in Algebra***

This is an extensive look at the fundamental concepts and principles of chemistry. Quantitative applications of mathematics and critical scientific writing are used to prepare students for college work in science, mathematics, engineering, and medical programs. Laboratory exercises tend to be open-ended and often require analysis and interpretation of data collected. The student choosing this course should plan ample study time.

**PHYSICS (8557)**

**ALL YEAR = 1 CREDIT**

**GR 11-12**

***Prerequisite: Pre-Calculus (taken either before or concurrently with this class)***

This course examines the basic natural laws that explain why matter and energy behave as they do. The course is designed for senior students planning further study in science, mathematics, engineering, or computer science. A very rigorous application of mathematics occurs throughout the course. Special techniques of scientific critical and analytical writing are examined. Topics include Newtonian motion, forces, work and energy, fluids and gases, wave motion, light, sound, electricity, and magnetism.

**SOCIAL STUDIES DEPARTMENT**

**COURSE OFFERING OUTLINE (Required: 3 credits)**

- |                       |          |          |
|-----------------------|----------|----------|
| • American History    | 1 credit | GR 9     |
| • World History       | 1 credit | GR 10-11 |
| • American Government | ½ credit | GR 11-12 |
| • Personal Finance    | ½ credit | GR 11-12 |

**AMERICAN HISTORY (9604)**

**ALL YEAR = 1 CREDIT**

**GR 9**

***Required***

This examines the “why” of history and encourages the development of problem-solving, critical thinking, and decision making skills. Overall course materials provide students with the necessary instruction for participation as informed and effective citizens in our democratic society. This course covers the history of the United States from the settlement of the West to the present.

**WORLD HISTORY (9601)**

**ALL YEAR = 1 CREDIT**

**GR 10**

***Required***

Beginning with the Medieval Period, this class presents a chronological narrative of modern history, with a focus on Western Civilization. Major events, such as the Protestant Reformation, Enlightenment, French Revolution, Industrial Revolution, World War I and World War II are studied.

**AMERICAN GOVERNMENT (9610)**

**1 SEMESTER = ½ CREDIT**

**GR 11-12**

***Required***

This course is the study about government in the United States. We shall consider the ways in which government in this country is organized and the ways in which government affects students. While it is true that its fundamental principles and its basic structure have remained constant over time, many of its other characteristics have changed, and they continue to do so from year to year.

**PERSONAL FINANCE (2102)**

**1 SEMESTER = ½ CREDIT**

**GR 11-12**

***Required***

The objective of this course is to give students a Christian-centered view on their own personal

finances, and how our faith instructs us in regards to monetary issues. The students will obtain all the knowledge and tools needed to ensure good financial health after graduation and for their lifetimes. The students will learn how to create a personal budget, develop a good credit score, pay bills and balance a checkbook as well as develop a rudimentary understanding of investments and tax returns. Lastly, the students will learn the basic tools needed to research, prepare, and apply for their first interview.

## **TECHNOLOGY DEPARTMENT**

### **COURSE OFFERINGS OUTLINE**

• Technology (required)	½ credit	GR 9
• STEM	1 credit	GR 10-12
• Robotics	1 credit	GR 10-12
• Media Technology	½ credit	GR 10-12
• Marketing and Web Design	½ credit	GR 10-12
• Technology Integration & Innovation	1 credit	GR 10-12

### **TECHNOLOGY (2112)**

**SEMESTER = ½ CREDIT**

**GR 9**

#### ***Required***

This course will focus on learning the skills required to create effective multimedia presentations, found in Microsoft Office Software (PowerPoint), as well as the applications of Keynote found in Apple Products. This course will also be used to create iMovies, as well as software to create simple animations such as Flash.

### **STEM (2113)**

**ALL YEAR = 1 CREDIT**

**GR 10-12**

This course incorporates Science, Technology, Engineering, and Math (STEM) concepts and is designed as a continuation of technology. It includes engagement in inquiry, logical reasoning, collaboration, and investigation. Students will identify and understand technologies needed to develop solutions to problems or construct answers to complex questions.

### **ROBOTICS (2115)**

**SEMESTER = 1 CREDIT**

**GR 10-12**

Using robots we will cover the fundamentals of problem solving, program design, algorithms and programming using a high-level language. A robot is an embedded system of software and hardware. This course introduces the fundamental concepts of programming and robotics.

### **MEDIA TECHNOLOGY (2116)**

**SEMESTER = ½ CREDIT**

**GR 10-12**

Students will learn to use multimedia features which include text, sounds, video, and graphics. Through class projects, students will produce SETV (a Calvert show) as well as other multimedia projects for use by the school or community. This course will emphasize communication skills through the use of technology.

### **MARKETING & WEB DESIGN (2118)**

**SEMESTER = ½ CREDIT**

**GR 10-12**

Students will develop basic skills in promotion, planning, and web design. Students in this course will have the opportunity to develop promotional materials for Calvert Catholic Schools as well as assist in

updating the school district website.

**TECHNOLOGY INTEGRATION & INNOVATION (2119)    YEAR = 1 CREDIT    GR 10-12**

**\*This course has limited seating and requires an application process.\***

The Student Technology Innovation and Integration course is a hands on study of technology integration in an educational context. Students will be required to assess problem sets throughout the day and define the best approach to addressing or solving the problem. In addition to solving problems for students and teachers, students will be required to complete and maintain several running projects that address problems or solutions in educational technology integration. The course also provides students with the opportunity to pursue an independent learning pathway in one of four areas: innovation, design, entrepreneurship or applications and develop a project which positively impacts their community. Students will be able to collaborate with outside businesses and organizations as they develop and implement their projects. To be successful in this course, students should have a prior understanding of using different operating systems, computing devices, and a personal desire to be innovative.

**ADVANCED PLACEMENT**

Students in grades 10-12 may have the opportunity to take Advanced Placement (AP) courses through an online provider. AP courses are challenging classes for which students earn high school credit. Additionally, students may have the opportunity to earn college credit for an AP course. In order to earn college credit for an AP course, students must take the AP exam in their subject area and score at least a 3 on a 5-point scale. Credits awarded from universities can vary based on the university; this is at the university's discretion. Families may be responsible for the cost of books for these courses and will be responsible for the cost of any AP exam taken. The cost for each AP exam is currently \$93 (this amount is subject to change. AP exams are made possible by the College Board which also gives the PSAT and SAT). Eligibility for these online AP courses will be determined based on GPA and PSAT scores.

Some AP courses students may be able to choose from the following AP courses:

- Calculus
- Statistics
- English
- U.S. Government
- U.S. History
- Spanish

**ADDITIONAL ELECTIVE OPTIONS**

Calvert is partnered with an online provider to provide a selection of new elective options. These elective options will allow students to choose courses from a variety of subject areas that will enhance their academic curriculum. Some example courses are (please see the guidance office for a complete course selection):

- Mythology & Folklore
- Astronomy
- Law & Order
- Veterinary Science
- History of the Holocaust
- Hospitality & Tourism
- Sports & Entertainment Marketing
- ACT Prep

## **DOLI COURSES**

Diocesan Online Learning Initiative courses are made available online through the Diocese of Toledo. These courses are provided using Moodle and instructors from Catholic schools throughout the Diocese. DOLI courses provide additional elective options for students. A complete list of DOLI course offerings is available in the guidance office.

## **MIDDLE SCHOOL OFFERINGS FOR CALVERT CATHOLIC SCHOOLS**

### **COURSE OFFERINGS OUTLINE**

#### **7TH GRADE:**

- Religion
- English Language Arts
- Math
- Science
- Social Studies
- Technology
- Literacy
- Spanish
- Health/Physical Education
- Music
- Art
- Band (elective)

#### **8TH GRADE:**

- Religion
- English Language Arts
- Math
- Science
- Social Studies
- Physical Science (placement required)
- Algebra I (placement required)
- Technology
- Literacy
- Health/Physical Education
- Spanish
- Music
- Art
- Band (elective)

## **RELIGION**

### **RELIGION 7 (7013)**

This course continues to lay the groundwork for a deeper understanding and for further study of the faith. While taking a holistic approach to learning the faith, this course will primarily focus on Doctrine, Morality, Scripture, Worship, and Prayer.

### **RELIGION 8 (7014)**

To help the students prepare for the Sacrament of Confirmation, they will study Pentecost, the rite of Confirmation, the Gifts of the Holy Spirit, and the Fruits of the Holy Spirit. The students will review the theology taught before, so that they will have the knowledge to make the decision to be confirmed. They will study Church History to have a better understanding of the Church and of how the Holy Spirit guides the Church. Students will participate in a variety of prayer experiences, including their Confirmation Retreat, to deepen their relationship with God.

## **ENGLISH**

### **LANGUAGE ARTS 7 (3181)**

This course encompasses the following areas of Language Arts: grammar; using parts of speech correctly; sentence structure; vocabulary; reading comprehension-interpreting text; and writing, including narrative, descriptive, persuasive, and expository with an introduction to the MLA style of writing will be taught.

### **LANGUAGE ARTS 8 (3182)**

This course builds upon the principles taught in 7th grade. Grammar, vocabulary, reading comprehension, and writing will be explored in greater depth. Critical thinking skills will be enhanced in both reading and writing.

## **MATHEMATICS**

### **MATH 7 (6351)**

This course covers basic number operation and numeration along with measurement, consumer math, probability, statistics, and introductory algebra. Students will work with whole numbers, fractions, decimals, and integers to solve problems. Topics taught include number theory, equalities, inequalities, measurement, geometry, proportions, and percent.

### **MATH 8 (6350)**

This course is a continuation of Math 7 objectives. It is designed for the student who is not ready to take Algebra I. All topics will be reviewed and some will be expanded upon.

## **SCIENCE**

### **GENERAL SCIENCE 7 (8550B)**

Seventh grade students will explore different scientific topics. They will concentrate on Earth Science that includes such topics as cycles in nature study life sciences that include cells, heredity, and evolution. Finally, they will study Physical Science that includes nature of matter and energy. Each student will also be responsible for a Science Faith Project. This project includes a written report, display board and experiment.

### **GENERAL SCIENCE 8 (8550A)**

Eighth grade students will explore different scientific topics. They will concentrate on Earth Science which studying the universe. Students will also study Life Science, which includes such topics as biomes, ecosystems, and energy sources. Finally, they will study Physical Science, which includes forces and motion, simple machines, nature of energy, and the periodic table. Each student will be responsible for a Science Fair Project. This project includes a written report, display board and experiment.

## **SOCIAL STUDIES**

### **SOCIAL STUDIES 7 (9615)**

This course is a continuation of 6th grade Social Studies. It begins with the Early Middle Ages and the Germans and continues through the Explorers and Political Revolutions.

### **SOCIAL STUDIES 8 (9614)**

This course covers history from 1607-1877: Colonization through Reconstruction. Important topics include the development of the original thirteen colonies; the American Revolution; the Declaration of Independence; the Constitution; rights and responsibilities of citizens; the Civil War; and Reconstruction.

## **TECHNOLOGY & LITERACY**

### **7/8 TECHNOLOGY (2105/2106)**

In this course, students will become proficient at the following applications: word processing, presentations, database, and spreadsheets. The course includes web page creation, graphics, photo creation and editing, as well as video creation, editing and desktop publishing. Students will have access to digital cameras, digital video camcorders, a flatbed scanner and other software/hardware to assist in the creation of multimedia projects. This is a hands-on class with most of the work completed in the computer lab. Students will work on a variety of projects, individually and in small groups with guidance from the instructor or on self-designed and/or collaborative projects. This course will have the ability to expand and utilize Engineering and Robotics in the near future.

### **7/8 LITERACY (3179/3180)**

In this class, students will gain extra practice in the areas of reading and writing.

## **SPECIALS (each special is required)**

### **7/8 ART (1073/1074)**

This class is designed to introduce students to various media and develop basic drawing skills. The artists' creativity will be brought to life while focusing on the Elements and Principles of art. The exercises and projects introduced will allow the artists to express themselves in a creative, original, and organized manner. Students will enjoy a variety of media while gaining a better appreciation of the world of art.

### **7/8 MUSIC (0460/0457)**

Students in this course will explore the basic concepts of music. The course curriculum will include the elements of music and reading music notation.

### **7/8 SPANISH (4209/4212)**

This course is a beginning course of Spanish. Students will be introduced to the language and culture of Spanish-speaking countries. Students will begin to build a vocabulary that will enable them to understand spoken Spanish.

### **7/8 HEALTH/PHYSICAL EDUCATION (0503A)**

The objective of middle school physical education is to expand the appreciation and understanding and development for living an active and healthy life. The objective of health education to include topics covering human growth and development and expand students' knowledge of good, positive health habits.

### **ELECTIVE**

### **7/8 BAND (0450JH)**

Middle School Band is offered both years and is primarily a concert band. Students are required to participate in marching band and pep band as well. Students will learn musicianship and build upon skills learned in elementary band classes.

### **ADDITIONAL MIDDLE SCHOOL OFFERINGS**

Eighth grade students may be able to take Physical Science and/or Algebra I for high school credit. A permission form is required for these courses. Eighth grade students who take high school courses are held to the same standards as high school students who take these courses. **Grades received in these two classes will be calculated in a student's high school grade point average. Eighth grade students must receive an A in the first quarter to continue in the course.**

Requirements for high school courses in the 8th grade:

- Physical Science: Must have an A in the first three quarters of 7th Grade Science. Must obtain a score in the 65th percentile on the science section of MAP test.
- Algebra I: Must have an A in the first three quarters of 7th Grade Math. Must obtain a score in the 65th percentile on the math section of MAP test. An additional math placement test is given; students must show proficiency on this test.

## **SENTINEL CAREER CENTER**

### **TECH PREP**

Tech Prep is a combination of high school and college classes offered through the cooperation of Sentinel Career Center and Terra Community College. All Terra classes are taught at Sentinel Career Center. To qualify for a college tech prep program, a student must meet the following requirements:

- Junior status
- Grade of "C" or better in Algebra
- 2.5 GPA
- Recommendation of your school counselor
- An interview with a Sentinel official
- Proficient Accuplacer test scores

All Terra Community College transcribed credits earned during the junior and senior years are at no cost to the student.

The following courses are college tech prep programs: Careers in Education, Digital Technologies, and Health Careers Academy.

**SENTINEL COURSES**

Agricultural Science and Technology	S1100	Grade 9
Agricultural Science and Technology	S1111	Grade 10
Agricultural Science and Technology	S1131	Grade 11
Agricultural Science and Technology	S1141	Grade 12
Automotive Technology	S2021	Grade 11
Automotive Technology	S2022	Grade 12
Collision Repair	S2011	Grade 11
Collision Repair	S2012	Grade 12
Building Construction Trades	S2431	Grade 11
Building Construction Trades	S2432	Grade 12
Careers in Education	S9601	Grade 11
Careers in Education	S9602	Grade 12
Digital Technologies	S9201	Grade 11
Digital Technologies	S9202	Grade 12
Cosmetology	S2310	Grade 10
Cosmetology	S2311	Grade 11
Cosmetology	S2312	Grade 12
Electrical Trades	S2521	Grade 11
Electrical Trades	S2522	Grade 12
Culinary Arts	S4121	Grade 11
Culinary Arts	S4122	Grade 12
Health Careers Academy	S2621	Grade 11
Health Careers Academy	S2623	Grade 12
Horticulture	S1221	Grade 11
Horticulture	S1222	Grade 12
Precision Machining	S2721	Grade 11
Precision Machining	S2722	Grade 12
Public Safety	S2821	Grade 11
Public Safety	S2822	Grade 12
Welding and Fabrication Technology	S2921	Grade 11
Welding and Fabrication Technology	S2922	Grade 12

## **CREDIT FLEXIBILITY PROCEDURE**

Credit flexibility applies to any alternative coursework, assessment and/or performance that demonstrates proficiency qualified to be awarded equivalent graduation credit as applied for and approved in advance by the school district. Approved credit awarded through this policy will be posted on the student's transcript and counted toward student grade point average (GPA), class rank, and as graduation credit in the related subject area or as an elective. Interested students may inquire in the school counselor's office about the application process and procedure for obtaining high school credit.