



ST. EDWARD HIGH SCHOOL

# COURSE CATALOG

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2024-25

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# MISSION STATEMENT

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ST. EDWARD HIGH SCHOOL,  
A CATHOLIC SCHOOL  
IN THE HOLY CROSS TRADITION,  
EDUCATES THE MINDS AND HEARTS  
OF A DIVERSE GROUP OF YOUNG MEN  
TO HAVE THE COMPETENCE TO SEE  
AND THE COURAGE TO ACT  
AS MEN OF HOPE  
FOR THE TRANSFORMATION OF THE WORLD.

*WE BELIEVE IN:*

## **FAITH**

FORMATION OF YOUNG MEN  
IN A FAITH-BASED TRADITION  
THAT IS GOD-CENTERED AND EMPHASIZES  
THE ACCEPTANCE OF EACH PERSON

## **EXCELLENCE**

AN ONGOING COMMITMENT  
TO EXCELLENCE IN ACADEMICS,  
AS WELL AS CO-CURRICULAR PROGRAMS

## **RELATIONSHIPS**

A WELCOMING, FAMILY-ORIENTED  
SCHOOL COMMUNITY

## **SERVANT LEADERSHIP**

A CHRIST-LIKE COMMITMENT  
TO GENUINE LEADERSHIP  
THROUGH SERVICE TO OTHERS

**PRINCIPAL**

MR. MATTHEW STEPNOWSKY

**ACADEMIC DEANS**

MR. DAN CORCORAN

MR. NICK KUCHAR

MR. MATT ALTIERI

**IB COORDINATOR**

MR. NICK KUCHAR

**SCHOOL COUNSELORS**

MR. TOM CAREY\*

MRS. COLLEEN GANOR

MR. GRANT WANNER

**COLLEGE COUNSELORS**

MR. KEITH LOFTON

MS. MARIA MUELLER

MS. ALICIA WATTS\*

**REGISTRAR**

MR. TOM CAREY

**OFFICE MANAGER**

MRS. LOIS WEAVER

\*DENOTES DIRECTOR

# COURSE REGISTRATION POLICIES

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## A. COURSE SELECTION

Registration is conducted each year throughout February and March. Students and parents are encouraged to read this catalog thoroughly. Students should select their courses based on the information contained in this catalog, coupled with input from faculty and their assigned school counselor; all are encouraged to utilize this Catalog in conjunction with the “course commercials” posted to sehs.net as well as our Instagram account @wearesteds\_theib.

Additionally, students and parents must recognize that course selections are final. Students have an opportunity to meet with their respective counselors during the course selection process. Counselors will use this meeting time to assist each student in choosing courses that will best enable him to meet the graduation requirements, while also affording him educational opportunities that will best match his academic abilities and future plans. It is important that students submit their selections in a timely fashion as failure to do so may result in being closed out of courses. Alternate choices are required for all elective courses.

## ACADEMIC COURSE LOAD

All students are required to carry a minimum of six classes each semester. Freshmen typically carry seven classes per semester.

## GRADUATION

Requirements are listed on pages 7-8. All students must complete all required courses and earn a minimum of 24 credits to be eligible to graduate.

## B. SCHEDULE CHANGES

Before registering for courses for the year, students should first read this course catalog thoroughly and choose their courses carefully. Once registration is completed, courses will be changed for the following conditions without penalty:

- There is an error in the original schedule.
- The student is academically misplaced.
- There is a scheduling conflict among chosen courses.
- Individual elective courses were canceled due to insufficient enrollment.
- Teacher-initiated change.

If a student notices an error in their schedule, they should contact their counselor before the semester begins to make the correction. Once the semester begins, students cannot withdraw from a class unless there are medical or academic reasons which justify the withdrawal.

## C. STUDENT-INITIATED COURSE ADDITION OR WITHDRAWAL

Student additions/withdrawals must be completed within the first 7 school days of each semester. Students must follow the procedures for a schedule change beginning with meeting with their counselors and completing the schedule change form.

### GRADING SCALE

97-100	=	A+
93-96	=	A
90-92	=	A-
87-89	=	B+
83-86	=	B
80-82	=	B-
77-79	=	C+
73-76	=	C
70-72	=	C-
67-69	=	D+
63-66	=	D
60-62	=	D-
0-59	=	F

### QUALITY POINT SCALE

Grade	Standard	Honors	AP, IB or CCP
A+	4.3	4.8	5.3
A	4.0	4.5	5.0
A-	3.7	4.2	4.7
B+	3.3	3.8	4.3
B	3.0	3.5	4.0
B-	2.7	3.2	3.7
C+	2.3	2.8	3.3
C	2.0	2.5	3.0
C-	1.7	2.2	2.7
D+	1.3	1.3	1.3
D	1.0	1.0	1.0
D-	0.7	0.7	0.7
F	0.0	0.0	0.0

### DETERMINING SEMESTER GRADES

All credit is earned on a semester basis. Semester grades are determined by weighing the two quarter grades at 85%; the semester examination is valued at 15%.

### HONOR ROLL

Honor Roll is achieved with a GPA of 3.3 in any given quarter. With a GPA of 3.7 or above, a student achieves High Honor Roll status.



## GRADUATION REQUIREMENTS

THEOLOGY	4 CREDITS	
ENGLISH	4 CREDITS	One credit of English required each year at the standard, honors, AP, or IB level (elective courses do not count toward fulfilling this credit).
MATHEMATICS	4 CREDITS	Varies depending upon course path and teacher recommendation.
SCIENCE	3 CREDITS	Varies depending upon course path and teacher recommendation.
SOCIAL STUDIES	3 CREDITS	Required courses in World History, US History, Government, and one course that meets Economic/Financial Literacy requirement.
LANGUAGE ACQUISITION	2 CREDITS	2 years of the same language at SEHS, 3 years recommended
FINE ARTS	1 CREDIT	½ credit typically earned in Grade 7 or 8
HEALTH	½ CREDIT	
PHYSICAL EDUCATION	½ CREDIT	Exemption with sport or Marching Band participation for 2 seasons
COMMUNITY SERVICE		Completion charted through Theology classes
ELECTIVE COURSES	VARIES	

## GRADUATION REQUIREMENTS FOR IB DIPLOMA CANDIDATES

THEOLOGY	4 CREDITS	
ENGLISH	4 CREDITS	
MATHEMATICS	4 CREDITS	
SCIENCE	3-4 CREDITS	Varies depending upon IB course choices
SOCIAL STUDIES	3-4 CREDITS	Varies depending upon IB course choices
SECOND LANGUAGE ACQUISITION	4 CREDITS	
FINE ARTS	1 CREDIT	½ credit typically earned in Grade 7 or 8
HEALTH	½ CREDIT	
PHYSICAL EDUCATION	½ CREDIT	Exemption with sport or Marching Band participation for 2 seasons
THEORY OF KNOWLEDGE	1 CREDIT	Begins in Junior year
EXTENDED ESSAY		Begins in Junior year
CAS PROGRAM		Begins in Junior year
COMMUNITY SERVICE		Completion charted through Theology classes
ELECTIVE COURSES	VARIES	

# ADVANCED COURSE OFFERINGS

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## HONORS COURSES

- Honors English 1
- Honors English 2
- Honors World History
- Honors American Studies and Government
- Honors Algebra 2
- Honors Geometry & Precalculus
- Honors Precalculus
- Honors Biology
- Honors Chemistry
- IB Physics SL, Year 1\*
- Honors French 1 and 2
- Honors Latin 1 and 2
- Honors Spanish 1, 2 and 3

## ADVANCED PLACEMENT (AP) COURSES

- AP English Language & Composition
- AP English Literature & Composition
- AP African American History
- AP United States History
- AP US Government and Politics
- AP Macroeconomics & Microeconomics
- AP Calculus AB
- AP Computer Science Principles

*\* IB Physics SL Year 1 and Honors Physics are synonymous*

# ADVANCED COURSE OFFERINGS (CON'T)

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## INTERNATIONAL BACCALAUREATE (IB) COURSES

### GROUP 1 (English Literature)

- IB Literature HL
- IB Language & Literature HL

### GROUP 2 (Language Acquisitions)

- IB French SL
- IB Latin SL
- IB Spanish SL

### GROUP 3 (Individuals & Societies)

- IB History of the Americas & 20th Century World History HL
- IB 20th Century World History SL
- IB Business Management SL
- IB Business Management HL
- IB Psychology SL\*

### GROUP 4 (The Sciences)

- IB Biology SL
- IB Chemistry SL
- IB Chemistry HL
- IB Physics SL
- IB Physics HL
- IB Design Technology SL
- IB Design Technology HL
- IB Computer Science SL

### GROUP 5 (Mathematics)

- IB Mathematics SL
- IB Mathematics HL

### GROUP 6 (The Arts)

- IB Film HL
- IB Music SL
- IB Visual Arts SL

### THE DIPLOMA PROGRAM “CORE”

- IB Theory of Knowledge / Extended Essay / CAS

*Note: SL = Standard Level; HL = Higher Level*

*\*This course does not count towards the IB Diploma in the 2024-25 school year*



## INVOCATION

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“WE CAN STATE IN A WORD THE KIND OF TEACHING WE WISH TO IMPART. WE DO NOT WANT OUR STUDENTS TO BE IGNORANT OF ANYTHING THEY SHOULD KNOW. TO THIS END, WE SHALL AVOID NO SACRIFICE. WE SHALL ALWAYS PLACE EDUCATION SIDE BY SIDE WITH INSTRUCTION; THE MIND WILL NOT BE CULTIVATED AT THE EXPENSE OF THE HEART. WHILE WE PREPARE USEFUL CITIZENS FOR SOCIETY, WE SHALL LIKEWISE DO OUR UTMOST TO PREPARE CITIZENS FOR ETERNAL LIFE.”

FATHER BASIL MOREAU  
*FOUNDER*  
CONGREGATION OF HOLY CROSS

# COURSE LISTINGS

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ENGLISH	11
LANGUAGE ACQUISITION	18
SOCIAL STUDIES	27
BUSINESS & ENTREPRENEURSHIP	33
THEOLOGY	37
SCIENCE	40
ENGINEERING & COMPUTER SCIENCE	47
MATHEMATICS	53
FINE ARTS	59
FILM	63
PERFORMING ARTS	67
THEORY OF KNOWLEDGE	70
PHYSICAL EDUCATION	71

# DEPARTMENT OF ENGLISH

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The following courses are required:

<b>GRADE 9</b>	English 1 or Honors English 1
<b>GRADE 10</b>	English 2 or Honors English 2
<b>GRADE 11</b>	English 3 or AP English Language & Composition or IB Literature HL Year 1* or IB Language & Literature Year 1*
<b>GRADE 12</b>	English 4 or AP English Literature & Composition or IB Literature HL Year 2* or IB Language & Literature Year 2*

*\*Denotes options for IB Diploma candidates*

## ENGLISH 1 (COURSE 011)

- Grade 9
- 2 semesters
- ½ credit each semester

In this course, students gain basic skills in composition, grammar, literature, and vocabulary. Instruction in composition includes formulating a thesis statement and mastering the five-paragraph essay. An introduction to research methods and MLA format is also included. Opportunities for writing include expository essays, persuasive essays, descriptive essays, narratives, and creative writing. The proper use of grammar is emphasized as a component of composition instruction. Instruction in literature includes basic elements such as theme, plot, character, and setting, as well as literary techniques and styles. Short stories, plays, novels, and poetry are analyzed, as literature and composition are blended throughout the course. Regular vocabulary lessons will be administered.

## HONORS ENGLISH 1 (COURSE 010)

- Grade 9
- 2 semesters
- ½ Honors credit each semester

In this course, students gain advanced skills in composition, grammar, literature, and vocabulary. Instruction in composition includes formulating and supporting an original thesis statement. Mastery of the five-paragraph essay is the focus of writing instruction, and an introduction to research methods and MLA format is also included.

Opportunities for writing include expository essays, persuasive essays, descriptive essays, narratives, and creative writing. The proper use of grammar is emphasized as a component of composition instruction. Instruction in literature includes basic elements such as theme, plot, character, and setting, as well as literary techniques and styles. Short stories, plays, novels, and poetry are analyzed, as literature and composition are blended throughout the course. Critique and analysis are advanced at this level. Regular vocabulary lessons will be administered.

## ENGLISH 2 (COURSE 021)

- Grade 10
- 2 semesters
- ½ credit each semester

This course builds upon the composition, grammar, literature, and vocabulary skills acquired in the freshman year. A variety of compositions, including both expository and persuasive essays, will be written. Composition instruction emphasizes the writing process, and includes a major research project, with an emphasis on research methods and skills. The proper use of grammar is emphasized through formal lessons and as a component of composition instruction. Instruction in literature includes a variety of works and genres. Vocabulary is studied throughout the year.

## HONORS ENGLISH 2 (COURSE 020)

- Grade 10
- 2 semesters
- ½ Honors credit each semester
- Criteria for selection: department approval

This course builds upon the composition, grammar, literature, and vocabulary skills acquired in the freshman year. In addition to reading and analyzing a variety of literary works and genres, students will study schools of literary criticism. Presuming mastery of the five-paragraph essay, instruction in composition includes experimentation with form and style in order to increase effectiveness.

A variety of compositions are assigned, including literary analysis and a major research paper. The expectations in terms of analytical thinking, interpretive skills, and writing ability are high at this level. The proper use of grammar is emphasized through formal lessons and as a component of composition instruction. The amount of reading, writing, and vocabulary in this course is significantly greater than in standard English.

## ENGLISH 3 (COURSE 035)

- Grade 11
- 2 semesters
- ½ credit each semester

The main focus of this course is the reading and analysis of our American literary heritage from its beginnings to the present, emphasizing outstanding figures and works of recognized quality for analysis, enrichment, and the improvement of communication skills. Additionally, as non-literary works (i.e. social media, films, advertisements, etc.) shape so much of our lives, students will also explore how these mediums influence our perspectives and shape the choices we make in America today.

Students will be challenged to see how American fiction and non-fiction alike connect to broader global and social issues that revolve around the concepts of Identity, Communication, Culture, Creativity, Perspective and Representation. A formal review of selected grammar, vocabulary and usage topics is conducted periodically throughout each term. Composition work includes exposition, argumentation, literary analysis, and the personal essay, and research methods and skills are reinforced throughout the course. Students who excel in the course will have the opportunity to secure potential college credit via a final summative assessment that gauges students' abilities to listen, speak, read and write at a collegiate level.

## AP ENGLISH LANGUAGE & COMPOSITION (COURSE 031)

- Grade 11
- 2 semesters
- ½ AP credit each semester
- Criteria for selection: department approval
- AP exam fee

The main focus of this course is the reading and analysis of our American literary heritage from its beginnings to the present, emphasizing outstanding figures and works of recognized quality for analysis and enrichment. Composition work includes exposition, argumentation, literary analysis, and the personal essay. Research methods and skills are reinforced. Fulfillment of writing assignments in this course requires significantly more work than in English 3, with a greater emphasis placed on style and depth. In addition, a unit of study within the course is devoted to developing test-taking strategies designed to maximize the students' scores on the verbal section of the SAT and the AP Language & Composition exam.

This course is advanced, and is recommended for highly motivated students with strong study skills. Students are required to take the AP exam in May.

## IB LITERATURE HL (COURSE IB113/IB114HL)

- Grade 11-12
- 4 semesters (2 years)
- ½ IB credit each semester
- Students taking this course must sit for and submit all IB required assessments; registrations and subject fees are applicable

In this course, students study a wide range of literature and are encouraged to appreciate the artistry of literature and to develop an ability to reflect critically on their reading. Works are studied in their literary and cultural contexts, through close study of individual texts and passages, and by considering a range of critical approaches. Students study texts from a variety of genres, including drama, poetry, and prose nonfiction, with a special emphasis on the novel. Students will also study works in translation, which are especially important in introducing students, through literature, to other cultural perspectives.

The response to this study of literature is through oral and written communication, thus enabling students to develop and refine their command of the English language.

## IB LANGUAGE & LITERATURE HL (COURSE IB115HL/116HL)

- Grade 11-12
- 4 semesters (2 years)
- ½ credit each semester
- Students taking this course must sit for and submit all IB required assessments; registrations and subject fees are applicable.

In this two-year higher level course, students study both literary texts (such as novels and plays) and non-literary texts (such as graphic novels and films) to investigate critical synergy across "textual" lines. The study of texts is central to an active engagement with language and culture and, by extension, to how one sees and understands the world; in turn, this course encourages students to question the meaning generated by language and texts (which is rarely straightforward and unambiguous) focusing closely on the language of the texts studied and becoming aware of the role that each text's wider context plays in shaping a text's meaning. Some of the texts studied will be works in translation, helping students gain a global perspective by promoting an insight into, and an understanding of, the different ways in which cultures influence and shape the experiences of life common to all humanity. The response to this study of texts is through oral and written communication, thus enabling students to develop and refine their command of the English language. Students are assessed through a combination of formal examinations and oral and written coursework/activities. The formal exam comprises two essay papers, one requiring the analysis of unseen literary and non-literary text, and the other a comparative response to a question based on two literary works studied. Students also record a presentation of their analysis of a literary work and a non-literary body of work studied.

## ENGLISH 4 (COURSE 045)

- Grade 12
- 2 semesters
- ½ credit each semester

The main focus of this course is the reading and analysis of British and world literature from its beginnings to the present, emphasizing outstanding figures and works of recognized quality for analysis and enrichment. Composition work includes exposition, argumentation, literary analysis, and the personal essay. Research methods and skills are reinforced, and all students are required to write at least two research papers. Public speaking skills are also reinforced through both formal and extemporaneous student presentations and speeches.

## AP ENGLISH LITERATURE & COMPOSITION (COURSE 040)

- Grade 12
- 2 semesters
- ½ AP credit each semester
- Criteria for selection: department approval
- AP exam fee

The main focus of this course is the reading and analysis of both classic and contemporary literature, emphasizing outstanding authors and major works in all genres. Research methods and writing skills are reinforced, and all students are required to write a major term paper. Classes are conducted seminar-style, and active class participation on a consistent basis is expected. This course is advanced, and is recommended for highly motivated students with strong study skills. Students are required to take the AP exam in May.

## CREATIVE WRITING (COURSE 070)

- Grade 10-12
- 1 semester
- ½ credit

This course focuses on the fundamentals of composition and storytelling while maintaining a flexible understanding of what a text is or can be. It is designed to enable students to become better poets, dramatists, songwriters, and writers of short fiction. Regardless of whether the student aims to become a poet who is able to deftly handle metaphors and concrete imagery, a comic book artist who wishes to develop a more acute sense of how to marry graphics to text, or a raconteur who can move an audience through his characters and stories, this course will provide the student with the skills to communicate and express himself with greater passion and focus.

## **PUBLIC SPEAKING (COURSE 071)**

- Grade 9-12
- 1 semester
- ½ credit

In this introductory course, students have an opportunity to gain skill, self-confidence, and fluency in public speaking while emphasizing relevant presentation skills for the 21st century. Assessments will empower students to effectively navigate job interviews, communicate entrepreneurial ideas, inform and persuade audiences, constructively critique famous speeches, and share relevant personal stories and improvisational exercises. Moreover, students in this course will also be introduced to podcasting--which entails conceptualizing, recording, and editing a brief podcast episode--as well reviewing fundamentals of how to respectfully and appropriately compose emails to teachers, potential employers, and other professionals.

## **AFRICAN AMERICAN LITERATURE (COURSE 076)**

- Grade 11-12
- 1 semester
- ½ credit

This course is an introductory survey of texts, including films, and discourse within African American literature. This course highlights works from the 20th and 21st centuries, focusing on autobiographical, historical and literary perspectives. Genres include the short story, poetry, and film. Our study explores perspectives of not only race, but also artistic and cultural themes and movements. Classes are conducted seminar-style, and active class participation on a consistent basis is expected through reading, writing, viewing, and various class activities. This course aims to reinforce the fundamental skills of close reading, interpretation, and literary analysis, in order to better understand African American literary voices.



## VOICES OF THE OTHER (COURSE 077)

- Grade 11-12
- 1 semester
- ½ credit

This course is an introductory survey of texts, films, and discourses from marginalized communities within American literature. This course highlights texts from the 20th and 21st centuries, including but not limited to African American, Disability Studies, Feminist, LGBTQ+, and other voices. Genres include the short story, poetry, and film. Our study explores the systemic marginalization of groups and the artistic and cultural themes and movements that result. Classes are conducted seminar-style, and active class participation on a consistent basis is expected through reading, writing, viewing, and various class activities. This course aims to reinforce the fundamental skills of close reading, interpretation, and literary analysis in order to better understand marginalized voices in America.

## EXISTENTIAL THOUGHT IN LITERATURE (COURSE 078)

- Grade 11-12
- 1 semester
- ½ credit each semester

This is a semester-long, seminar-based course which will explore profound questions about human existence. Through discussion and in-depth analysis of literary and philosophical texts, students will consider themes of free will, authenticity, and the purpose of existence. Upon the conclusion of this course, students will be able to demonstrate a practical knowledge of existentialism, identify existential themes in literature, and produce meaningful analysis of literature using an existential lens.

## SKILLS FOR THE 21ST CENTURY (COURSE 091)

- Grade 9
- 2 semesters
- ½ credit each semester

This course is designed to improve the student's reading and comprehension skills. Areas stressed are comprehension, vocabulary, study skills, flexibility of reading rate, critical reading skills, and independent reading. In addition, skills in objective and essay test taking and the organization and implementation of a plan of study for the student's various classes are emphasized. Note: Students enrolled in this course do so in lieu of a language course freshman year. Foreign language will then begin in the sophomore year.

# DEPARTMENT OF LANGUAGE ACQUISITIONS

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## FRENCH 1 (COURSE 431)

- Grade 9-12
- 2 semesters
- ½ credit each semester

This is an introductory course for students who are interested in the French language and cultures of the francophone world. The course objective is to obtain a good proficiency in the areas of speaking, listening, reading and writing. Students will learn to communicate in everyday situations through skits, dialogues, projects and group activities. By the end of the first year, students will be able to communicate the following: introductions, invitations, likes, preferences, daily school life discussion, answer questions (age, origin, nationality, profession), make plans with others (time, location) and order food. The students will begin to grasp the linguistic similarities and differences between English and French. This course also introduces students to French-speaking cultures through songs, short stories and films that help make connections between French-speaking cultures and their own.

## HONORS FRENCH 1 (COURSE 431H)

- Grade 9-12
- 2 semesters
- ½ Honors credit each semester

This course is intended for highly motivated, beginner-level students who are prepared to learn French at an accelerated pace. The objective is to focus on obtaining a high proficiency in the areas of speaking, listening, reading and writing. Students will learn to communicate in everyday situations through skits, dialogues, projects and group activities. By the end of the first year on the honors track, students will be able to communicate the following: introductions, invitations, likes, preferences, daily school life discussion, answer questions (age, origin, nationality, profession), make plans with others (time, location), order food, discuss shopping habits and home life. Students will obtain the ability to express simple opinions and ideas. The students will begin to grasp the linguistic similarities and differences between English and French. This course also introduces students to French-speaking cultures through songs, level-appropriate readers, and films that help make connections between French-speaking cultures and their own.

## FRENCH 2 (COURSE 432)

- Grade 9-12
- 2 semesters
- ½ credit each semester

This course is the continuation of the introductory course for novice students. We will focus our attention on the four levels of language acquisition while studying grammar and vocabulary: speaking, listening, reading and writing. In essence, this French course will serve to foster language growth and communication skills at the intermediate level. We will review concepts from French 1 and students will be able to communicate in the following areas at the end of the second year: holidays, personal opinions, inquire about future plans, ask for and receive directions, voice complaints, make suggestions, express looking forward to an event and recount past events. Along with building a stronger understanding of the present tense, students will also learn how to differentiate between the passé composé and the imparfait past tenses. This course will continue to include the study of various aspects of francophone culture and students will engage with comprehensible readers in the target language.

## HONORS FRENCH 2 (COURSE 432H)

- Grade 9-12
- 2 semesters
- ½ Honors credit each semester
- Criteria for approval; A or higher in French I; B or higher in Honors French I

This course is intended for highly motivated, intermediate-level students who are prepared to continue learning French at an accelerated pace. The objective is to focus on obtaining a high proficiency in the areas of speaking, listening, reading and writing. By the end of the second year of the honors track, students will be able to communicate and dialogue in the following areas: holidays, personal opinions, inquire about future plans, ask for and receive directions, voice complaints, recount past events, make suggestions, express looking forward to an event, communicate in a service setting and navigate international trips.

Along with building a strong understanding of the present and past tense, students will learn various types of irregular verbs of the two tenses. They will also use direct and indirect object pronouns, reflexive verbs and gain the ability to differentiate between the passé composé and the imparfait tenses in all four proficiency areas of second language acquisition. This course will continue to include the study of various aspects of francophone culture and students will engage with multiple comprehensible readers in the target language.

## IB FRENCH SL (COURSE IB231/232SL)

- Grade 11-12
- 4 semesters (2 years)
- ½ IB credit each semester
- Criteria for selection: department approval
- Students taking this course must sit for and submit all IB required assessments; registrations and subject fees are applicable.

While acquiring a language, students will explore the culture(s) connected to it. In turn, the focus of the IB French SL courses is language acquisition as well as intercultural understanding. The syllabus approaches the learning of language through meaning. Through the study of the five themes (social organization, human ingenuity, experiences, identities and sharing the planet), students build the necessary skills to reach the assessment objectives of the language course through the expansion of their receptive, productive and interactive skills. Entering these classes requires a good understanding of spoken French as well as the ability to write and express oneself in the language. Class discussions will be conducted in French.

## LATIN 1 (COURSE 411)

- Grade 9-12
- 2 semesters
- ½ credit each semester

This course is an introduction to classical Latin: its pronunciation, vocabulary, and grammar. Emphasis will be on reading comprehension and the Latin derivation of English words, the study of Latin roots in English, and the sizable contribution of Latin to the structure and lexicon of the English language. Students will study ancient history and geography, classical mythology, and Roman culture with a view to developing a greater appreciation of western civilization in general and their American heritage in particular, whose culture and political structures were inspired by Greek and Roman principles and practices in addition to being modeled on classical prototypes.

## HONORS LATIN 1 (COURSE 411H)

- Grade 9-12
- 2 semesters
- ½ Honors credit each semester
- Criteria for selection: department approval

This course is an introduction to classical Latin which includes all subject matter covered in Latin 1. However, its pace is brisker than that of the standard Latin course, and members of the class will explore all topics in greater depth. While it presupposes no prior background in Latin, the course will enable students to learn significantly more grammar and vocabulary than they would in standard Latin 1. In addition, they will explore Greek myth and Roman history in greater depth and develop a familiarity with Latin phrases used in English. The ultimate aim of the course is to equip students to read, in Latin, the great classics of Julius Caesar, Cicero, Pliny, Ovid, Vergil, Horace, and Catullus by the end of a second year of Honors Latin or by the start of Honors or IB in their third year.

## **LATIN 2 (COURSE 412)**

- Grade 10-12
- 2 semesters
- ½ credit each semester

This course is a review and continuation of Latin 1. More complex grammatical concepts, including pronouns, comparative and superlative adjectives and participles will be introduced. Students' study of mythology will be more in-depth as they translate passages about the Greek gods and heroes.

## **HONORS LATIN 2 (COURSE 412H)**

- Grade 10-12
- 2 semesters
- ½ Honors credit each semester
- Criteria for selection: A or higher in Latin I; B or higher in Honors Latin I

This course is a review and continuation of Honors Latin 1. Complex grammatical concepts, including infinitive phrases and participles will be studied at an accelerated rate. Conditional sentences, gerundive phrases, and subjunctive clauses, will be introduced. In the fourth quarter, students will be exposed to selections from Julius Caesar's Gallic War or readings of comparable difficulty.

## **LATIN 3 (COURSE 413)**

- Grade 11-12
- 2 semesters
- ½ credit each semester
- Criteria for selection: B or higher in Latin 2/Honors Latin 2

This course continues the study of Latin grammar and vocabulary and introduces a survey of Latin literature, some of it from original sources, some adapted. Students will gain exposure to a variety of authors: the epic poetry of Vergil or Ovid, the love poems of Catullus and Horace, and the war stories of Julius Caesar.

## IB LATIN SL (COURSE IB211/212SL)

- Grade 11-12
- 4 semesters (2 years)
- ½ IB credit each semester
- Criteria for selection: department approval
- Students taking this course must sit for and submit all IB required assessments; registrations and subject fees are applicable.

The Standard Level coursework will emphasize developing students' ability to read, translate, and comprehend selections of original, unadapted Latin prose and poetry. Students will also explore the language, literature, and culture of ancient Rome in an effort to deepen their understanding of the inextricable link between culture and language and of the continuing influence of ancient cultures on our modern world.

Topics in the first year include Roman oratory, history, government, and architecture. Students will explore these topics by reading and discussing various Roman authors such as Cicero, Catullus, Horace, Vergil, and Ovid. During the second year, students will continue their study of Latin, focusing on the epic poetry of Lucretius, the lyric poetry of Ovid, and the philosophy of Seneca.

## INTERMEDIATE LATIN PROSE AND POETRY (COURSE 416)

- Grade 12
- 2 semesters
- ½ weighted credit each semester
- Criteria for selection: department approval and A or higher in Latin 3; B or higher in Honors Latin 3

This course is an introduction to Latin poetry. Students will read selections from Books I, II, and IV of Virgil's epic, *The Aeneid*, a poem that tells the amazing story of a band of Trojan refugees and their leader, Aeneas, who are searching for a new homeland. In the readings, close attention is paid to diction, style, meter, narrative technique, and the conventions of the ancient epic. Students also will read the whole poem in English for in-class discussion.

## SPANISH 1 (COURSE 421)

- Grade 9-12
- 2 semesters
- ½ credit each semester

This introductory course is designed for students with little to no background in Spanish. A foundational course, it presents a structured, proficiency-based approach to mastering the four skills of a second language: speaking, listening, reading and writing. Students will acquire a strong foundation for communicating basic information (exchanging greetings, saying where they are from, counting and saying the alphabet, telling time, etc.) as well as the ability to talk and write about what he and others are like and what they like to do in and out of school. By listening to and reading comprehensible Spanish in class, the student will start to imitate the language and express his ideas. Cultural content is interwoven throughout the course so students can start to compare and contrast their own culture with the cultures of the Spanish speaking world.

## HONORS SPANISH 1 (COURSE 421H)

- Grade 9-12
- 2 semesters
- ½ Honors credit each semester
- Criteria for selection: department approval

This is an accelerated course intended for the highly motivated student who has either: a) a desire to challenge himself with an honors language course and has scored high on the English Placement test; b) an intention to participate in the International Baccalaureate Program; or c) some exposure to Spanish in grade school but not enough to test out of level one. The course presents a structured, proficiency-based approach to mastering the four skills of a second language: speaking, listening, reading and writing. Students will acquire a strong foundation for communicating basic information (exchanging greetings, saying where you are from, counting and saying the alphabet, telling time, describing weather, etc.) as well as the ability to talk and write about what he and others are like and what they like to do in and out of school. By listening to and reading comprehensible Spanish in class, the student will start to imitate the language and express his ideas. Cultural content is interwoven throughout the course so students can start to compare and contrast their own culture with the cultures of the Spanish speaking world. No previous Spanish required.

## SPANISH 2 (COURSE 422)

- Grade 9-12
- 2 semesters
- ½ credit each semester

This course utilizes the base the student gained in Spanish 1 to further his ability to read, write, speak and understand Spanish. By listening to and reading abundant comprehensible examples of the language, he will start to put together longer, more complex sentences in both the present and past tenses. He will be able to start expressing simple ideas and opinions, tell short stories, narrate events and participate in conversations used in daily life. He will explore cultural themes like leisure and sports activities, communities, identities, and entertainment and be able to express his views and make comparisons between his own culture and the cultures of Spanish speaking countries.

## HONORS SPANISH 2 (COURSE 422H)

- Grade 9-12
- 2 semesters
- ½ Honors credit each semester
- A or higher in Spanish I; B or higher in Honors Spanish I

This accelerated course is for the highly motivated student. It will expand his ability to communicate in Spanish in written and spoken forms while strengthening his verbal, auditory, and cultural understanding. By listening to and reading abundant comprehensible examples of the language, he will start to put together longer, more complex sentences in both the present and past tenses. He will be able to start expressing simple ideas and opinions, tell short stories, narrate events and participate in conversations used in daily life. He will explore cultural themes like leisure and sports activities, communities, identities, and entertainment and be able to express his views and make comparisons between his own culture and the cultures of Spanish speaking countries.



## SPANISH 3 (COURSE 423)

- Grade 10-12
- 2 semesters
- ½ credit each semester
- Criteria for selection: B or higher in Spanish 2/Honors Spanish 2

In this course, students will refine and reinforce all the grammatical and thematic topics previously acquired in Spanish 1 and 2. In addition, the students will expand their knowledge of past tenses (preterite and imperfect), future tense, and will be introduced to the subjunctive mood. By the end of the course, the students should be able to express ideas and opinions related to their childhood, family relations and events, nutrition and healthy lifestyle. Through novels read in Spanish, students will learn about influential Latinos and their impact on the culture of the world.

## HONORS SPANISH 3 (COURSE 423H)

- Grade 10-12
- 2 semesters
- ½ Honors credit each semester
- Criteria for selection: B or higher in Honors Spanish 2;  
A or higher in Spanish 2

This accelerated course requires the student to communicate both orally and in writing with advanced grammar and sophisticated vocabulary. The student will continue to refine the use of preterite vs. imperfect past tense, explore more situations that require the use of the subjunctive, learn to make compound tenses, and to speak in the future and conditional tense about real and hypothetical events. Topics covered range from traditions and national identity; technology and its effects; nutrition and healthy lifestyle; and global challenges and environmental issues. Through novels read in Spanish, students will learn about influential Latinos and their impact on the culture of the world.

## SPANISH 4 (COURSE 424)

- Grade 11-12
- 2 semesters
- ½ credit each semester
- Criteria for selection: B or higher in Honors Spanish 3 or Spanish 3

This course is designed to interest and challenge capable students who wish to develop a greater degree of proficiency in the Spanish language and further their knowledge about the world around us. The basic elements of grammar are reviewed, refined, and practiced; however, the course aims to develop the students' understanding of culture, civilization, and cinema and to broaden their ability to communicate in Spanish. Class sessions will be conducted in Spanish.

## IB SPANISH SL (COURSE IB221/222SL)

- Grade 11-12
- 4 semesters (2 years)
- ½ IB credit each semester
- Criteria for selection: department approval
- Students taking this course must sit for and submit all IB required assessments; registrations and subject fees are applicable.

This course enables the second language learner to understand straightforward written and spoken language; to communicate—orally and in writing—in a variety of styles and registers, about given topics; and to engage interactively in culturally appropriate conversations. These skills will be advanced as the students explore the themes of social relationships, communication and media, global issues, cultural diversity, customs and traditions, health, leisure, science, and technology in the Spanish-speaking world.

# DEPARTMENT OF SOCIAL STUDIES

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The following courses are required:

<b>GRADE 9</b>	World History or Honors World History
<b>GRADE 10</b>	Honors American Studies & Government <i>(required for pre-IB candidates only)</i>
<b>GRADE 11</b>	US History or AP US History or IB History of the Americas HL Year 1* or IB History SL*
<b>GRADE 12</b>	AP American Government & Politics or AP African American History or IB 20th Century History HL* or American Government and one of the following financial literacy courses#: <ul style="list-style-type: none"><li>• Economics</li><li>• Introduction to Business, Entrepreneurship &amp; Personal Finance</li><li>• AP Macro/Microeconomics</li><li>• IB Business Management SL</li></ul>

\* Denotes options for IB Diploma candidates

# Unless Financial Literacy course was taken Sophomore or Junior year

## WORLD HISTORY (COURSE 112/113)

- Grade 9
- 2 semesters
- ½ credit each semester

This course examines the development of human populations from the Enlightenment to modern day. Students will trace the evolution of social, political, economic, and religious systems and examine the role of the environment in determining and affecting the progression of culture. Students will also explore topics such as innovation and technological change and their impact on cultural development. Using primary and secondary sources, students will be expected to comprehend, analyze, and evaluate through a variety of written and project-based assessments.

## HONORS WORLD HISTORY (COURSE 115H)

- Grade 9
- 2 semesters
- ½ Honors credit each semester

While the content is similar to World History, this course is a more rigorous approach that combines a thematic examination of modern global history. After a brief survey of early world history, students will analyze the continuing development of increasingly complex political, economic and social systems from the 16th century CE to the present day. Interaction with the environment, the impact of technological innovation, and global interconnections are all recurring themes. We will examine these themes from multiple perspectives, and explore the roots of the major ideologies of the present. The course places an emphasis on source analysis and writing to prepare students for later AP/IB coursework.

## HONORS AMERICAN STUDIES & GOVERNMENT (COURSE 125)

- Grade 10
- 2 semesters
- ½ Honors credit each semester
- Criteria for selection: Current teacher approval
- Required for all students intending to pursue the IB Diploma
- This course fulfills the American Government requirement but does not fulfill the US History requirement. Students who take this course and do not continue in IB Social Studies must take either US History or AP US History their junior year.

This course focuses on both the history and the government of the United States during the 19th and 20th centuries. Students will continue to enhance their skills of gathering, sorting and evaluating historical and political evidence. Through written and oral expression, students must demonstrate their ability to recognize, organize, analyze and appreciate selected historical events and their political, economic and social consequences.

## US HISTORY (COURSE 132)

- Grade 11
- 2 semesters
- ½ credit each semester

The fundamental objective of this course is to provide students with a comprehensive understanding of the political, economic and social development of the United States from 1877 to the present. The students will also recognize the evolution of the United States as a world power, the role of the U.S. in the world, and its relationship with other nations in the world. Furthermore, the course is designed to provide an intellectual foundation for observing, analyzing and understanding our contemporary American society. Essentially, the students will examine the nation's past to understand how it shaped the present, and will possibly shape the future.

## AP UNITED STATES HISTORY (COURSE 130)

- Grade 11
- 2 semesters
- ½ AP credit each semester
- Criteria for selection: 'A-' average or better in English and Social Studies classes
- AP exam fee

This course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the materials and problems of United States history. The course seeks to develop students' capacity to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. To that end, the course is both reading and writing intensive, and draws from a number of supplementary documents, essays, and works of interpretive history. Students are required to take the AP exam in May.

## AMERICAN GOVERNMENT (COURSE 121)

- Grade 12
- 1 semester
- ½ credit

This one-semester course is a survey of the events, issues, and individuals that have shaped American government. It includes a survey of the historical underpinnings of our government, as well as a detailed analysis of the Constitution and the evolution of party politics, executive power, popular democracy, and our system of checks and balances. All three branches of the government will be studied in depth.

## AP US GOVERNMENT & POLITICS (COURSE 140)

- Grade 12
- 2 semesters
- ½ AP credit each semester
- Criteria for selection: 'A-' average or better in English and Social Studies classes; department approval
- This course meets the economic/financial literacy graduation requirement.
- AP exam fee

AP Government and Politics is a college level course that explores the political theory and everyday practice that direct the daily operation of the U.S. government and shape our public policies. It will also provide the students with an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and analysis of specific examples. Finally, students are required to take the AP exam in May.

## IB HISTORY OF THE AMERICAS (COURSE IB303/304HL)

- Grade 11-12
- 4 semesters (2 years)
- Prerequisite: Honors American Studies and Government and permission from Honors American Studies teacher
- ½ IB credit each semester
- This course meets the economic/financial literacy graduation requirement but does not replace the American government requirement.
- Students taking this course must sit for and submit all IB required assessments; registrations and subject fees are applicable.

Within this course, students will demonstrate a historical understanding of the Americas, including the United States, Canada and Latin America, through a comparative multi regional analysis of cultural, socioeconomic and political issues. In the second year, students will conduct an in-depth study of the causes, practices, and effects of war, independence movements, and an in-depth investigation of Kosovo and Rwanda in the 1990s. Students will be required to comprehend, analyze, evaluate, and integrate source material critically as historical evidence through a series of internal and external assessment.

## IB 20TH CENTURY WORLD HISTORY (COURSE IB302SL)

- Grade 11-12
- 2 semesters (1 year)
- Prerequisite: Honors American Studies and Government and permission from Honors American Studies teacher
- ½ IB credit each semester
- This course meets the economic/financial literacy graduation requirement but does not replace the American government requirement.
- Students taking this course must sit for and submit all IB required assessments; registrations and subject fees are applicable.

This one-year IB course will focus on events, individuals and ideas that have shaped the human experience. This course will analyze 20th Century World History with an emphasis on topics such as causes, practices and effects of war and independence movements. The prescribed subject for this course is conflict and intervention which is an in depth investigation of Kosovo and Rwanda in the 1990s. Students will be required to comprehend, analyze, evaluate, and integrate source material critically as historical evidence through a series of internal and external assessment.

## MODEL UNITED NATIONS (COURSE 181)

- Grade 9-12
- 1 semester
- ½ credit

This course aims to develop critical thinking, research, analysis and presentation skills, whilst building global awareness and understanding of international affairs, with empathy for differing approaches and viewpoints and creating collaborative mindsets towards problem-solving a key element. Participants would also be fully integrated into the existing co-curricular Model United Nations (MUN) Program and targeted towards attending conferences - locally, regionally and internationally. The skillsets are multi-dimensional and inter-disciplinary and both the content and application support MYP Global Context and Approaches to Learning mindsets.

## AP AFRICAN AMERICAN HISTORY (COURSE 158)

- Grade 12
- 2 semesters
- ½ AP credit each semester
- Criteria for selection: 'A-' average or better in English and Social Studies classes; department approval
- AP exam fee

AP African American Studies is an exciting, interdisciplinary course that draws from a variety of fields—history, literature, the arts, geography, science, and law—to explore the vital contributions and experiences of African Americans. Within this course, students explore key topics that extend from early African kingdoms to the ongoing challenges and achievements of the contemporary moment. Given the interdisciplinary character of African American Studies, students in the course will develop skills across multiple fields, with an emphasis on developing historical, literary, visual and data analysis skills. This course foregrounds a study of the diversity of Black communities in the United States within the broader context of Africa and the African diaspora. The course provides students with a strong foundation in facts and evidence about African American history and culture.

## LAW (COURSE 178)

- Grade 11-12
- 1 semester
- ½ credit

The fundamental objective of this course is for students to develop an understanding of the organization of the United States Legal system. Students will also gain a comprehension of some basic legal concepts related to procedural and substantive law. Students will be introduced to cases, statutes and the Constitution, the sources of all of our laws. Essentially, this course will create an opportunity for the students to develop a strong legal vocabulary and to build their analytical skills.

## IB PSYCHOLOGY (COURSE IB305SL)

- Grade 11-12
- 2 semesters (1 year)
- ½ IB credit each semester
- In the 2024-25 school year, this course will not count towards the IB Diploma; Diploma students can, however, take this as an "Additional Course".
- Students taking this course must sit for and submit all IB required assessments; registrations and subject fees are applicable.

Psychology is a social science that focuses on the study of the mind and behavior. Since behavior is anything that can be observed and measured, heavy emphasis will be placed on research methodology.

While taking this course, students will develop an understanding of the biological, cognitive and sociocultural factors affecting mental processes and behavior. They will also be expected to apply an understanding of the biological, cognitive and sociocultural factors affecting mental processes and behavior to at least one applied area of study. Students have an understanding of diverse methods of inquiry and the importance of ethical practice in psychological research and observe ethical practice in their own inquiries.

Students will be expected to understand how psychological ideas are generated, developed, and applied. Proof of this understanding will be demonstrated in student-conducted research and experiments.



# DEPARTMENT OF BUSINESS & ENTREPRENEURSHIP

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## ECONOMICS (COURSE 141)

- Grade 10-12
- 1 semester
- ½ credit
- This course meets the economic/financial literacy graduation requirement.

This introductory survey course provides the student with exposure to numerous economic principles. The course begins with a general overview of economics as the science of cost, benefit, and choice. Microeconomic concepts are subsequently introduced in the context of how individual choices affect supply and demand and the organization and development of individual enterprises and markets. The course also explains macroeconomics through the examination of gross domestic product, unemployment, inflation, recession and depression, banking, and monetary and fiscal policy. A unit on personal finance is also included.

## INTRODUCTION TO BUSINESS, ENTREPRENEURSHIP & PERSONAL FINANCE (COURSE 155)

- Grade 9-12
- 1 semester
- ½ credit
- This course meets the economic/financial literacy graduation credit.

As the entry point to the Department, this course couples an exploration of the fundamental tools of entrepreneurship with key underlying components of business. We will focus on problem-solving, innovation, and introducing tools such as the lean canvas in a startup context. Students are also exposed to the idea of socially responsible entrepreneurship. Key business concepts include basic microeconomic principles (including marginal analysis, cost-benefit analysis, and opportunity cost) and how they impact business decisions, understanding and applying SWOT Analysis, and marketing and pitching an idea. Additionally, the course engages with important components of personal finance throughout the semester such as: financial responsibility and decision-making, planning and money management, making informed consumer decisions, investing, credit and debit, and risk management and insurance.

In lieu of a final exam, students will work over the course of the semester to brainstorm, develop, and refine their own business idea. As their final project during exam week, they will present their idea through a lean canvas slideshow presentation and prototype.

## **ADVANCED BUSINESS & ENTREPRENEURSHIP: MARKETING & CONSCIOUS CAPITALISM (COURSE 156)**

- Grade 10-12
- 1 semester
- ½ credit
- Prerequisite: Intro to Business, Entrepreneurship & Personal Finance

Advanced Business & Entrepreneurship ("ABE") builds on the content covered and skills developed in the Introduction course, with a special focus on the business and entrepreneurship strands of the introductory course. Students will apply the definition of entrepreneurship offered by Harvard Business School and used throughout the intro course ("the pursuit of opportunity beyond resources controlled") to the study of various business and entrepreneurship topics in greater depth. In addition, students will build on the theme of social entrepreneurship explored in the intro course in examining the broader idea of "Conscious Capitalism." Conscious Capitalism is defined as an emerging economic system that includes key factors such as voluntary exchange, entrepreneurship, competition, freedom to trade, and the rule of law.

Other important elements are trust, compassion, collaboration, and value creation. Building on the lessons of the Intro course, the students will take a more in-depth look at building a business and work in teams to develop ideas with the four pillars of Conscious Capitalism as a guide. These pillars are ethics, purpose, stakeholder culture and leadership. Finally, students will explore the role of marketing / advertising today. As an advanced business class, the course will conclude with a week of exposure to guest speakers and relevant industry professionals.

## **ADVANCED CORPORATE & PERSONAL FINANCE (COURSE 159)**

- Grade 10-12
- 1 semester
- ½ credit
- Prerequisite: Introduction, Entrepreneurship & Personal Finance

Students will focus on three primary areas of study: Personal Finance, Investments, and Corporate Finance. Personal Finance and Investments will focus on the tools each student should have to be financially literate, as well as building on investing basics covered in IBEP. In the Corporate Finance component of the course, students will begin to learn the dynamics of how and why businesses manage and make decisions: using debt and equity to benefit growth, mergers & acquisitions, joint venture and other strategies, and competition (local to global). As an advanced business class, the course will conclude with a week of exposure to guest speakers and relevant industry professionals.

## **IB BUSINESS MANAGEMENT SL (COURSE IB310SL)**

- Grade 11-12
- 2 semesters (1 year)
- ½ IB credit each semester
- This course meets the economic/financial literacy graduation credit.
- Intro to Business, Entrepreneurship & Finance is not required as a prerequisite, but is recommended
- Students taking this course must sit for and submit IB required assessments; registrations and subject fees are applicable

IB Business SL encourages a holistic study of business and the related tools and concepts. The most dynamic element of this course is how we engage both local and national alumni-led businesses as the foundation for our capstone research project. We explore and address challenges in real businesses and in turn develop real connections with leadership there. Subsequently, we explore topics such as, Marketing, Accounting, Finance, Operations Management, Economics, Personal Finance Development and Human Resources. This one-year course will include the study of qualitative and quantitative tools used in the analysis of businesses.

## **IB BUSINESS MANAGEMENT HL (COURSE IB311/312HL)**

- Grade 11-12
- 4 semesters (2 years)
- ½ IB credit each semester
- This course meets the economic/financial literacy graduation credit.
- Intro to Business, Entrepreneurship & Finance is not required as a prerequisite, but is recommended
- Students taking this course must sit for and submit IB required assessments; registrations and subject fees are applicable

Like our SL course, students will take an in-depth holistic view of business topics and partner with alumni-led businesses across America. However, in the HL course, the students will have a full two years to develop their collegiate-quality research and go into greater depth in each of the business topics. The course is built for students who are looking for the most robust study of how and why real business decisions are made. Students will learn how the various departments in a business work together. They will also be introduced to both for profit and nonprofit companies. The students will work extensively in groups, while still maintaining a focus on individual research.

## **AP MICROECONOMICS & MACROECONOMICS (COURSE 148)**

- Grade 11-12
- 2 semesters
- ½ AP credit each semester
- Criteria for selection: Required meeting and approval from Instructor of AP course.
- This course meets the economic/financial literacy graduation requirement.
- AP exam fees for 2 separate exams

The purpose of this course in economics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, as well as, an understanding of the economic system as a whole. The course places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. It also focuses on the study of national income and price-level determination, and develops students' familiarity with economic performance measures, personal finance skills, the financial sector, stabilization policies, economic growth, and international economics. Students will use graphs, charts, and data to analyze, describe, and explain economic concepts. Students are required to take AP examinations in May: they may take exams for both topics or have the option to choose one exam.

## **AUTHENTIC ENTREPRENEURSHIP (COURSE 160)**

- Grade 12
- 1 semester
- ½ credit
- Criteria for selection: Required meeting and approval from Instructor

Authentic Entrepreneurship aims to reveal firm strategies and practices by actual entrepreneurs. It will be a pragmatic course based on presentations and discussions between successful, experienced business owners and St. Edward student-entrepreneurs. The objective of the class is to foster the ambitious leadership of the student toward entrepreneurial endeavors and assist them in combining the factors of production to create new goods and services. Students will learn how to create and/or manage the following in the course: written plans and start-up procedures, branding, marketing, data interpretation, accounting, management challenges, supply chain issues, salesmanship, pricing, cost analysis, capital investment, financing, innovation, workplace culture, lessons from failure, perseverance and work ethic.

# DEPARTMENT OF THEOLOGY

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The following courses are required:

- GRADE 9**      Jesus In Scripture & Who Is Jesus Christ?
- GRADE 10**    The Paschal Mystery & Christ's Mission in the Church
- GRADE 11**    Sacraments & Morality
- GRADE 12**    World Religions & Social Issues

## JESUS IN SCRIPTURE (COURSE 713)

- Grade 9
- 1 semester
- ½ credit each semester

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their 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, authored by God through Inspiration, and its value to people throughout the world. If they have not been taught this earlier, they will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally.

## WHO IS JESUS CHRIST? (COURSE 714)

- Grade 9
- 1 semester
- ½ credit each semester

The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God, and the Second Person of the Blessed Trinity. In this course students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who he is, the students will also learn who he calls them to be.

## THE PASCHAL MYSTERY (COURSE 724)

- Grade 10
- 1 semester
- ½ credit

The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

## CHRIST'S MISSION IN THE CHURCH (COURSE 725)

- Grade 10
- 1 semester
- ½ credit

The purpose of this course is to help the students understand that in and through the Church they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today. This Body has both divine and human elements. In this course, students will learn not so much about events in the life of the Church but about the sacred nature of the Church.

## SACRAMENTS (COURSE 733)

- Grade 11
- 1 semester
- ½ credit

The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life.

## **MORALITY (COURSE 734)**

- Grade 11
- 1 semester
- ½ credit

The purpose of this course is to help students learn the moral concepts and precepts that govern the lives of Christ's disciples.

## **WORLD RELIGIONS (COURSE 742)**

- Grade 12
- 1 semester
- ½ credit

The purpose of this course is to help students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as to other non-Christian religions of the world. Students will understand how the Catholic Church proclaims Jesus Christ "the way, the truth, and the life (John 14:6)" and at the same time teaches that the Church rejects nothing that is true and holy in other religions. The course is intended to help students recognize the ways in which important spiritual truths can also be found in non-Catholic Christian and non-Christian communities, and to show them how Catholics relate to members of different faiths respectfully while continuing to live and profess their faith confidently.

## **SOCIAL ISSUES (COURSE 743)**

- Grade 11
- 1 semester
- ½ credit

The purpose of this course is to introduce students to the Church's social teaching. In this course, students are to learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission.

# DEPARTMENT OF SCIENCE

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## TYPICAL SCIENCE SCOPE AND SEQUENCE

GRADE 9	GRADE 10	GRADE 11	GRADE 12
Physical Science	Biology	Chemistry	Electives
Biology	Chemistry	Physics	Electives
Honors Biology	Physics	IB Physics SL, Year 1	Electives
Honors Biology	Honors Chemistry or IB Physics SL, Year 1*	IB Science Year 1	IB Science Year 2

\* Students interested in an Honors Physics experience should enroll in IB Physics SL, Year 1

### BIOLOGY (COURSE 311)

- Grade 9-10
- 2 semesters
- ½ credit each semester

This course explores the physical and chemical conditions that sustain and affect all living things. It also investigates the way living things are structured and how they operate in their environment. Classroom discussion, lectures, and laboratory investigations complement each other in creating a strong science background.

### HONORS BIOLOGY (COURSE 310)

- Grade 9
- 2 semesters
- ½ Honors lab credit each semester

This course explores the unity of structure and function found in the great diversity of living things. Emphasis is on the cell, genetics, biotechnology and evolution. Students are expected to participate individually and collaboratively in labs, class-work, and research.



## PHYSICAL SCIENCE (COURSE 309)

- Grade 9 - with department approval
- 2 semesters
- ½ lab credit each semester

This course is designed to help the student understand and interpret data gathered in a variety of science settings. The class will focus on lab skills needed for future science classes, report generation, and data analysis with computer applications. Topics will be included from a broad range of the physical sciences including chemistry and physics.

## CHEMISTRY (COURSE 331)

- Grade 10-11
- 2 semesters
- ½ lab credit each semester

Chemistry is the study of matter, its structure, properties and behavior. Quantitative and qualitative labs support the course material. Topics in this college preparatory course include classifications of matter, nomenclature, reactions, stoichiometry, periodic table organization, atomic theory, and equilibrium. Use of the scientific method and problem solving are stressed.

## HONORS CHEMISTRY (COURSE 320)

- Grade 10
- 2 semesters
- ½ Honors lab credit each semester
- Criteria for selection; department approval required; completion of, or concurrent enrollment in Honors Algebra 2 or higher

This course is an in-depth study of chemistry for the science-oriented, math-proficient student. Theories are discussed and mathematical skills are quantitatively supported in the lab. Topics include atomic theory, stoichiometry, bonding, gas laws, equilibria, acid/base theory, and oxidation/reduction. This course stresses observation, interpretation, problem-solving, and critical thinking. This course is designed for students that are planning to be enrolled in Honors Physics, AP Chemistry or any HL IB science.

## PHYSICS (COURSE 341)

- Grade 11-12
- 2 semesters
- ½ lab credit each semester
- Prerequisite/Co-requisite: Algebra 2 (231) or higher

Physics is the study of the physical world, and in particular, the interactions of matter and energy. This course is designed for the serious student who desires a college-prep level study of mechanics and energy. Emphasis will be on lab and graphical analysis. Students will be expected to use algebra and trigonometry to solve problems in the course.

## IB BIOLOGY SL (COURSE IB421SL)

- Grade 11 or 12
- 2 semesters (1 year)
- ½ IB lab credit each semester
- Criteria for selection; department approval
- Students taking this course must sit for and submit required IB assessments or the AP Biology exam; registrations and subject fees are applicable.

This course is designed as the equivalent of a college introductory biology course to meet both the AP Course Description recommended by the College Board as well as all requirements of the IB SL Biology curriculum, including participation in an individual assessment (IA). The course will cover biology topics including evolution, ecology, molecular biology, molecular genetics, and organismal biology. The course will have a heavy focus on the development of laboratory skills, quantitative reasoning, and scientific thinking. The course will prepare students to complete BOTH examinations in May, but only the specific test for the chosen course will be required.

Because the test registration dates are after the first quarter, students may opt for one or the other or both tests depending on their preferences.

## IB CHEMISTRY SL (COURSE IB432SL)

- Grade 11 or 12
- 2 semesters
- $\frac{1}{2}$  IB lab credit each semester
- Criteria for selection; department approval
- Prerequisite: Algebra 2, Co-requisite: Honors Precalculus
- Students taking this course who must sit for and submit required IB assessments or the AP Chemistry exam; registrations and subject fees are applicable.

This course is designed as the equivalent of a college introductory chemistry course to meet both the AP Course Description recommended by the College Board as well as all requirements of the IB SL Chemistry curriculum, including participation in an individual assessment (IA). IB Chemistry SL is a challenging one-year course requiring 110 hours of coursework and 40 hours of practical (lab) work. Students will examine the core topics of chemistry, including measurement and data processing, quantitative chemistry, atomic structure, periodicity, bonding, acids and bases, oxidation-reduction reactions, energetics, kinetics, equilibrium, organic chemistry, and one chosen topic area that will allow for the application and utilization of theories learned. The course is laboratory-based, and students will be required to research, organize, write, and present scientific concepts. There is an expectation that students will need to spend some time outside of the normal school hours to complete laboratory requirements. It is recommended that students enter this course from the honors science track. If not currently in honors summer homework may be a requirement.

## IB CHEMISTRY HL (COURSE IB433/434HL)

- Grade 11-12
- 4 semesters (2 years)
- $\frac{1}{2}$  IB lab credit each semester
- Criteria for selection; department approval
- Co-requisite: Honors Precalculus
- Students taking this course must sit for and submit all required IB assessments; registrations and subject fees are applicable.

This two-year course requires 180 hours of coursework and 60 hours of practical (lab) work and combines academic study with the acquisition of investigational skills through the experimental approach. Students will examine core and higher level topics including measurement and data processing, quantitative chemistry, atomic structure, periodicity, bonding, acids and bases, oxidation reduction reactions, energetics, kinetics, equilibrium, organic chemistry, and one chosen topic areas that will allow for the application and utilization of theories learned. The course is a laboratory based and students will be required to research, organize, write and present scientific concepts. Students are expected to apply mathematical concepts mastered in Algebra II for the first year and are currently enrolled in Honors Precalculus or HL Math as a junior. It is highly recommended that students enter this course from the honors science track.

## IB PHYSICS SL (COURSE IB441/442SL)

- Grade 11-12
- 4 semesters (2 years)
- $\frac{1}{2}$  IB lab credit each semester
- Criteria for selection; department approval
- Co-requisite: Precalculus or Honors Precalculus
- Students taking this course must sit for and submit all required IB assessments; registrations and subject fees are applicable.

IB Physics SL is a comprehensive two-year pre-university course that is designed to allow students to obtain a secure knowledge of the physical models that are used to explain motion, force, energy, and the interaction of objects in the physical universe. By the end of the course, students will have a broad understanding of the various fields encompassed by physics, including topics in modern physics. Students will continue to be introduced to the way scientists work and communicate with each other by performing laboratory experiments, using the scientific method, and writing laboratory reports. Students will spend more than 40 hours (over 25% of instruction time) performing these laboratory experiments.

## IB PHYSICS HL (COURSE IB443/444HL)

- Grade 11-12
- 4 semesters (2 years)
- $\frac{1}{2}$  IB lab credit each semester
- Criteria for selection; department approval
- Co-requisite: IB HL Math or AB Calculus track
- Students taking this course must sit for and submit all required IB assessments; registrations and subject fees are applicable.

IB HL Physics HL is a two-year course requiring 180 hours of coursework and 60 hours of practical (lab) work. This course combines academic study with the acquisition of investigation skills through the experimental approach. Students will examine topics in: Measurements and uncertainties, Mechanics, Thermal physics, Waves, Electricity and magnetism, Circular motion and gravitation, Atomic, nuclear and particle physics, Energy production, Wave phenomena, Fields, Electromagnetic induction, Quantum and nuclear physics, and one additional option. The course is a laboratory based and students will be required to research, organize, write, and present scientific concepts. It is highly recommended that students enter this course from the honors science track. Students are expected to apply mathematical concepts mastered in Algebra II in the first year and be currently enrolled in Honors Precalculus or HL Math as a junior.

## ENVIRONMENTAL ANTHROPOLOGY (COURSE 359)

- Grade 11-12
- 2 semesters (1 year)
- ½ credit
- Criteria for selection: completion of Biology and Chemistry

Our planet needs you! This new and one-of-a-kind course seeks to answer the question: How can we work with nature rather than against it? Using an interdisciplinary perspective, you will learn about environmental systems and how Homo Sapiens have forever altered the planet. Rooted in a systems-approach, you will explore concepts like sustainability, equilibrium, and biodiversity and their applications for addressing issues like resource management, pollution, globalization and energy security.

Deepen your understanding of the complex relationships between scientific, cultural, economic and social factors by researching real life socio-environmental problems and developing realistic solutions.

You'll engage with the topics through laboratory skills, seminars and real life practical horticulture, vermiculture and livestock husbandry. The course aims to promote critical awareness of diverse cultural perspectives and your ability to act on this awareness at a local and global level.

## ANATOMY & PHYSIOLOGY (COURSE 361)

- Grade 12
- 1 semester
- ½ lab credit
- Prerequisites: Biology, Chemistry and Physics

This course is designed for seniors who desire to develop an understanding and appreciation of the human body. This course is designed to be an introductory study of the human body for students with an interest in pursuing a career in a health-related field. Topics include anatomical structures, physiological systems, and body functions. Students will acquire skills used in the classification of data, experience in oral and written communication of data, and skills in drawing logical inferences and predicting outcomes. Students will apply the principle of physiology to human health and evaluate the applications and career implications of physiology and anatomy principles

## SPORTS MEDICINE (COURSE 362)

- Grade 12
- 1 semester
- ½ lab credit
- Prerequisites: Biology, Chemistry and Physics

Have you ever asked yourself the following questions- Just who is Tommy John, and why is his surgery so famous in baseball? What is an Achilles tendon, and why is it so hard to recover when you tear it? Why can you walk off the field right after you have torn your ACL? What happened when Willis McGahee's knee bent backwards? Why drink chocolate milk after practice? The sports medicine elective will dive into the science behind some famous sports injuries and how proper nutrition and exercise can help prevent injuries from occurring. Students will acquire skills used in oral and written communication of data, and skills in drawing logical inferences and predicting outcomes. This lab based course will expose students to activities related to how the human body functions and responds to injury and recovery.

# DEPARTMENT OF ENGINEERING & COMPUTER SCIENCE

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*All courses in this department are highly project-driven. Students will be expected to document the methods used to complete assignments and be able to draw inferences from those methods to apply skills in new and innovative ways.*

## ENGINEERING COURSE GUIDE

### FUNDAMENTALS OF COMPUTER ENGINEERING

#### CORE SKILLS

- Computational Thinking
- Programming Fundamentals
- Electronic Circuits

### FUNDAMENTALS OF ENGINEERING DESIGN

#### CORE SKILLS

- Engineering Design Cycle
- 2D Drafting
- 3D Modeling

## UPPER LEVEL ELECTIVES

Complete fundamentals courses  
to pursue upper level electives.

- Intermediate Engineering 1
- Intermediate Engineering 2
- Advanced Engineering 1
- Advanced Engineering 2
- Fundamentals of Game Design
- AP Computer Science Principles

## INTERNATIONAL BACCALAUREATE OFFERINGS

- IB Design Technology HL
- IB Design Technology SL
- IB Computer Science SL

## FUNDAMENTALS OF ENGINEERING DESIGN (COURSE 608)

- Grade 9-11
- 1 semester
- ½ credit
- Supply fee: \$30.00
- This course, along with Fundamentals of Computer Engineering, are prerequisites for Intermediate Engineering 1. This course is also a prerequisite for IB Design Technology SL.

This course focuses on solving broadly defined engineering problems with multiple viable solutions. Students will be introduced to 2D and 3D computer aided design (CAD) software. They will use these programs to complete scaled technical drawings and independent design projects. The final unit in the course will introduce static structures through the calculation and testing of the forces applied to a truss bridge. No prior CAD or design experience is required, although experienced students are welcome.

## FUNDAMENTALS OF COMPUTER ENGINEERING (COURSE 573)

- Grade 9-11
- 1 semester
- ½ credit
- Supply fee: \$30.00
- This course, along with Fundamentals of Engineering Design, are prerequisites for Intermediate Engineering 1. This course is also a prerequisite for IB Computer Science SL.

Students will learn the fundamentals of computer programming, algorithmic thinking, and application development. Concepts will be implemented using modern programming languages and an integrated development environment (IDE). This course also incorporates circuit design, electronics, and embedded systems programming. Students will build and program a personal electronic device. No prior programming or electronics experience is required, although experienced students are welcome.



## FUNDAMENTALS OF GAME DESIGN (COURSE 613)

- Grade 9-12
- 1 semester
- ½ credit

In this interdisciplinary course, students will be introduced to the elements of video game production by combining skills across academic disciplines of writing, art, and computer science. Topics include story writing, computer graphics, level design, and game logic programming. No prior knowledge is required, although students will benefit from prior graphic design or programming experience. Projects will be implemented using the Unity game engine and graphics software for implementing art assets. By the end of this course, students will have produced their own video games and have the competency to pursue further studies in the fields of 2D/3D graphics, animation, and computer science.

## INTERMEDIATE ENGINEERING 1 (COURSE 671)

- Grade 10-12
- 1 semester
- ½ credit
- Supply fee: \$30.00
- Prerequisites: Fundamentals of Engineering Design and Fundamentals of Computer Engineering

Students will utilize the skills learned in Fundamentals of Engineering Design to design and plan collaborative projects. Students will use graphical analysis programs and pivot tables in Excel to analyze data and predict patterns. Projects will focus on the use of advanced design cycle concepts. Maker Space labs will be used to build and test design solutions.

## INTERMEDIATE ENGINEERING 2 (COURSE 672)

- Grade 10-12
- 1 semester
- ½ credit
- Supply fee: \$30.00
- Prerequisites: Intermediate Engineering 1

Students will explore deeper into concepts previously learned in prior courses. Projects will focus on the theory behind the design of advanced systems. Students will further explore concepts related to specific Engineering disciplines, such as: civil engineering, electrical engineering, mechanical engineering, material science, etc.

## ADVANCED ENGINEERING 1 (COURSE 673)

- Grade 11-12
- 1 semester
- ½ credit
- Prerequisite: Intermediate Engineering 1+2

This course is designed for students who are considering a college major in engineering. Strong math skills are required. Students will learn the basics of MATLAB programming, taught in most college engineering freshman courses. College level topics such as fluid mechanics, electricity and magnetism, equipment and control engineering will be explored. Students will leave this course with a greater understanding of the many fields of engineering that could be pursued in college. A capstone project will follow the design cycle to solve an engineering problem.

## ADVANCED ENGINEERING 2 (COURSE 674)

- Grade 11-12
- 1 semester
- ½ credit
- Prerequisite: Advanced Engineering 1 or Department Approval

Advanced Engineering 2 is a Capstone course which is a culmination of all skills learned through the Fundamentals, Intermediate, and Advanced Engineering courses. Students will participate in a capstone project where they will follow the design cycle to create a solution to a problem for a client. The project will be graded through completion of each section of the design cycle: Inquiry and Analyzing, Developing Ideas, Creating the Solution, and Evaluation. Projects may be eligible for full year service credit upon approval from the Manager of Outreach and Service. Upon completion of the capstone project, students will present their final product to a panel of SEHS Alumni who are current Engineers and the client.

## AP COMPUTER SCIENCE PRINCIPLES (COURSE 253)

- Grade 12
- 2 semesters
- 1 AP credit
- Prerequisite: Algebra 2 or Precalculus
- AP exam fee

AP Computer Science Principles introduces students to the breadth of the field of computer science. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They will incorporate abstraction into programs and use data to discover new knowledge. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. Students are required to take the AP exam in May.

## IB COMPUTER SCIENCE SL (COURSE IB470SL)

- Grade 11-12
- 2 semesters (1 year)
- ½ IB credit each semester
- Prerequisite: Fundamentals of Computer Engineering, or department approval
- Criteria for selection: department approval for those not pursuing an IB diploma
- Students taking this course must sit for and submit all IB required assessments; registrations and subject fees are applicable.

This course is designed as the equivalent of a college introductory computer science course that meets all requirements of the IB SL computer science curriculum, including a student-driven final project that involves the design and development of software. Some examples include: a data-driven mobile application, a software-as-a-service web application, or a 3D mixed reality simulation. This course consists of five core topics, some of which are covered in the introductory computer science course, Computer Science I: App Development, which is a prerequisite for IB Computer Science SL. The topics in this course include system fundamentals, computer organization, networks, computational thinking, problem-solving and programming, and web development. Programming concepts will be implemented using the C# programming language, Microsoft Visual Studio, ASP.Net Core and the Xamarin mobile framework.

## **IB DESIGN TECHNOLOGY SL (COURSE IB465SL)**

- Grade 11-12
- 2 semesters (1 year)
- ½ IB credit each semester
- Criteria for selection: department approval for those not pursuing an IB diploma
- Prerequisite: Fundamentals of Engineering Design
- This course may be taken to fulfill a Fine Arts credit.
- Supply fee: \$50.00
- Students taking this course must sit for and submit all IB required assessments; registrations and subject fees are applicable.

This course is an in-depth study of the product design process. Students will be required to complete an individual design project, from identifying a market need, to designing, building, and testing a prototype solution. Specific topics that influence design are studied, including ergonomics, resource management, modeling, material properties, and manufacturing methods. Skills such as effective market research, life cycle planning, critical thinking, collaboration, and iterative design are emphasized.

## **IB DESIGN TECHNOLOGY HL (COURSE IB463/464HL)**

- Grade 11-12
- 4 semesters (2 years)
- ½ IB credit each semester
- This course may be taken to fulfill a Fine Arts credit.
- Supply fee: \$100.00
- Criteria for selection: department approval for those not pursuing an IB diploma
- Students taking this course must sit for and submit all IB required assessments; registrations and subject fees are applicable.

This four-semester course is an advanced study of the product design process. Students will be required to complete an individual design project, from identifying a market need, to designing, building, and testing a prototype solution, and planning for commercial production of their product. The course covers the same design topics as the standard level course, with additional studies on user centered design, sustainability, innovation, and commercial production. The standard level skills are developed in more depth, with additional focus on methods of research, understanding market diffusion, and sustainable design principles.

# DEPARTMENT OF MATHEMATICS

Four years of Mathematics are required. Courses will vary according to academic ability and performance.

## TYPICAL MATH SCOPE AND SEQUENCE

9th GRADE	10th GRADE	11th GRADE	12th GRADE	COLLEGE LEVEL OPTIONS
Algebra 1	Geometry	Algebra 2	Precalculus or Trig/Math Topics or AP Computer Science Principles or CLO*	AP Computer Science Principles*
Advanced Algebra/ Accelerated Geometry	Algebra 2	Precalculus or Honors Precalculus	College Level Options* or **	AP Calculus AB** IB Math SL*
Honors Algebra 2	Honors Geometry with Precalculus	College Level Options***	College Level Options***	IB Math HL Yr 1*** IB Math HL Yr 2***

## ALGEBRA 1 (COURSE 211)

- Grade 9
- 2 semesters
- ½ credit each semester

This course presents the basic structure of our number system through the use of modern mathematical terminology and methods. The basic topics included are the real number system, operations with real numbers, using variables, solving equations, inequalities, graphing linear functions, exponents, polynomials, rational expressions, radicals, and quadratic functions. Stress is placed upon the understanding of concepts, and solving practical problems from everyday life and science. A graphing calculator is required. (TI-83/84 Plus is the school's standard calculator.)

## ALGEBRA 1 (COURSE 212)

- Grade 9
- 2 semesters
- ½ credit each semester

This course thoroughly develops basic math concepts and reinforces essential math skills. The basic structure of our number system is presented through the use of modern mathematical terminology and methods, but at a slower pace and with less rigor than Algebra 1, Course 211. Topics included are the real number system, operations with real numbers, using variables, solving equations, inequalities, graphing linear functions. Stress is placed upon the understanding of concepts, and solving practical problems from everyday life and science.

## **ADVANCED ALGEBRA 1 AND ACCELERATED GEOMETRY (COURSE 209)**

- Grade 9
- 2 semesters
- $\frac{1}{2}$  credit each semester
- Note: Students must be successful in the first semester to move on to Accelerated Geometry in the second semester. Those not mastering the concepts of Advanced Algebra 1 will be moved to Algebra 1 (#211) for the second semester to achieve mastery of Algebra.

This course is a full year of intensive development of algebraic and geometric skills. It is designed for students who have a high aptitude in math but have not completed a rigorous course in Algebra 1. The first semester will be an intensive study of Algebra 1. The second semester will be an intensive study of Geometry with emphasis on problem solving for college entrance exams. Students who successfully complete this course may be recommended for Honors Algebra 2 their sophomore year. A graphing calculator (the TI-83/84 is the math department's recommendation) is required for the course.

## **HONORS ALGEBRA 2 (COURSE 210)**

- Grade 9
- 2 semesters
- $\frac{1}{2}$  Honors credit each semester

Designed for students with a strong math aptitude who have completed a full year course in Algebra 1, this course is a rigorous development of Algebra 2, with a strong emphasis on proof and logic. Areas covered include solving equations and inequalities; solving systems; factoring polynomials; simplifying rational expressions; working with radicals and quadratic, polynomial, rational, exponential, and logarithmic functions; complex numbers, and conic sections. A graphing calculator is required. (TI83/84 Plus is the school's standard calculator.) A placement exam is required for incoming freshmen.

## **GEOMETRY WITH STATISTICS (COURSE 221)**

- Grade 10
- 2 semesters
- $\frac{1}{2}$  credit each semester

This course covers the fundamentals of Euclidean Geometry. Topics include linear and angle relations, triangle relationships, the Pythagorean Theorem, right triangle trigonometry, polygons, circular relations, and solid geometry. The course also includes an introduction to statistics that includes probability, probability distributions, and hypothesis testing. A variety of mathematical analyses will be explored.

## GEOMETRY (COURSE 222)

- Grade 10-11
- 2 semesters
- $\frac{1}{2}$  credit each semester

This basic course covers the fundamentals of Euclidean Geometry. Topics include linear and angle relations, triangle relationships, the Pythagorean Theorem, right triangle trigonometry, polygons, circular relations, and solid geometry.

## HONORS GEOMETRY AND PRECALCULUS (COURSE 227)

- Grade 10
- 2 semesters
- $\frac{1}{2}$  Honors credit each semester
- Criteria for selection: department approval
- Prerequisite: Honors Algebra 2

Designed for the sophomore who has successfully completed 210 Honors Alg 2, the first semester of this course is a rigorous development of Geometry with a strong emphasis on proof (both direct and indirect) and logic. Important functions from Algebra 2, including exponential and logarithmic functions will be revisited. The second semester is a rigorous development of Unit Circle Trigonometry in preparation for Calculus. Students will also revisit Sequences and Series and be introduced to Proof by Mathematical Induction. A graphing calculator TI-83 or TI-84 is required for this course.

## ALGEBRA 2 (COURSE 231)

- Grade 10-11
- 2 semesters
- $\frac{1}{2}$  credit each semester

A rigorous development of algebra with a strong emphasis on proof and logic. Areas covered include working with variables, solving linear equations and inequalities, solving systems of sentences, factoring polynomials, finding roots of polynomial functions, simplifying rational expressions, working with radicals and quadratic functions, complex numbers, solving exponential and logarithmic equations and analyzing these functions, and conic sections. A TI-83/84 Plus calculator is required.

## ALGEBRA 2 (COURSE 232)

- Grade 10-11
- 2 semesters
- $\frac{1}{2}$  credit each semester

This basic course contains the topics of a conventional Algebra 2 course including equations and inequalities, linear relations and functions, systems of equations and inequalities, polynomials, working with quadratic equations, quadratic relations and functions. A TI-83/84Plus calculator is required.

## PRECALCULUS (COURSE 241)

- Grade 11-12
- 2 semesters
- $\frac{1}{2}$  credit each semester

The study of the translation of functions, families of functions including odd and even functions, polynomial, rational, exponential, and logarithmic functions, inverses, circular trigonometric functions, trig identities and proofs. The end of the course starts a study of limits, which leads the student into the appreciation of the derivative in calculus. A TI-83/84Plus calculator is required.

## HONORS PRECALCULUS (COURSE 230)

- Grade 11-12
- 2 semesters
- $\frac{1}{2}$  Honors credit each semester
- Criteria for selection: department approval
- Prerequisites: Geometry with Statistics, Honors Geometry and Precalculus, or Honors Algebra

Topics covered in this course include the development of polynomial and transcendental and inverse functions, analytic geometry, unit circle trigonometry, trigonometric identities and solving trigonometric equations, polar equations and their graphs, vector analysis and limits as a strong preparation for the study of calculus. The theory of mathematics is discussed in great detail, and students are expected to begin some development of mathematical creativity and thought, as well as maintain accuracy in computation and application. A TI-83/84Plus calculator is required.



## TRIGONOMETRY AND MATH TOPICS (COURSE 242)

- Grade 12
- 2 semesters
- $\frac{1}{2}$  credit each semester

This course covers fundamental topics in trigonometry including analytic geometry, the unit circle, and basic trigonometric identities. A heavy emphasis on algebraic functions will be highlighted throughout the course. Essential to this course will be a continuous exploration of how techniques and concepts learned can be applied to enhance problem solving abilities in everyday life. A TI- 83/84Plus calculator is required.

## AP CALCULUS AB (COURSE 240)

- Grade 11-12
- 2 semesters
- $\frac{1}{2}$  AP credit each semester
- Criteria for selection: department approval
- Prerequisite: Precalculus or Honors Precalculus
- AP exam fee

This initial course in Calculus thoroughly covers both the techniques and applications of both differential and integral calculus. All topics from the College Board's suggested content guide for Calculus AB are covered. Students are required to take the AP exam in May.

## IB MATHEMATICS SL: APPLICATIONS & INTERPRETATION (COURSE IB512SL)

- Grade 12
- 2 semesters
- $\frac{1}{2}$  IB credit each semester
- Prerequisite: Precalculus (recommended) or Algebra 2
- Students taking this course must sit for and submit all IB required assessments; registrations and subject fees are applicable.

This course recognizes the increasing role that mathematics and technology play in a diverse range of fields in a data-rich world. As such, it emphasizes the meaning of mathematics in context by focusing on topics that are often used as applications or in mathematical modeling. To give this understanding a firm base, this course also includes topics that are traditionally part of a pre-university mathematics course such as calculus and statistics. The course makes extensive use of technology to allow students to explore and construct mathematical models. Mathematics: Applications & Interpretation will develop mathematical thinking, often in the context of a practical problem and using technology to justify conjectures. A graphic display calculator is required for this course.

## **IB MATHEMATICS HL: ANALYSIS & APPROACHES (COURSE IB523/524HL)**

- Grade 11-12
- 4 semesters (2 years)
- $\frac{1}{2}$  IB credit each semester
- Criteria for selection: department approval
- Prerequisite: Honors Geometry and Precalculus
- Students taking this course must sit for and submit all IB required assessments; registrations and subject fees are applicable.
- In addition to IB assessments, students are required to take the AP Calculus BC Exam in May of their junior and senior year (unless successfully passed junior year).

This course is designed as the equivalent of a college introductory mathematics course to meet both the AP Course Description recommended by the College Board as well as all requirements of the IB Mathematics HL curriculum, including participation in an individual assessment (IA). Students are required to take the IB assessments and are required to take the AP exam. The IB Math HL curriculum consists of eight core topics, some of which are covered in the student's Algebra II and Geometry courses. Both of these are prerequisites for IB Math HL, and are typically taken in the freshman and sophomore years. The topics in IB Math HL include Algebra, Functions and Equations, Circular Functions and Trigonometry along with two- and three-dimensional Vector Geometry, Matrices (along with Matrix Algebra), Probability and Statistics and Calculus, along with an in-depth study of differential equations and infinite series. The Calculus curriculum includes all topics in the Advanced Placement BC Calculus course through polar, parametric and infinite series with an added emphasis on techniques of writing and solving differential equations.

## **AP COMPUTER SCIENCE PRINCIPLES (COURSE 253)**

- Grade 12
- 2 semesters
- 1 AP credit
- Prerequisite: Algebra 2 or Precalculus
- AP exam fee

AP Computer Science Principles introduces students to the breadth of the field of computer science. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They will incorporate abstraction into programs and use data to discover new knowledge. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. Students are required to take the AP exam in May.

# DEPARTMENT OF FINE ARTS

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*Each student is required to earn .5 credit in the Fine Arts, Film and/or Performing Arts and Music. The following courses outside of the traditional Arts offerings may be taken to fulfill an Arts requirement: IB Design Technology SL or HL and Game Design.*

## BEGINNING POTTERY & SCULPTURE (COURSE 864)

- Grade 10-12
- 1 semester
- ½ credit
- Supply fee: \$40.00

Students will learn basic hand-building techniques. The students will make projects using coil, slab, and solid construction. Different finishing/glazing procedures will be taught.

## ADVANCED POTTERY (COURSE 867)

- Grade 10-12
- 1 semester
- ½ credit
- Prerequisite: Beginning Pottery/Sculpture
- Supply fee: \$40.00

Students will spend the semester creating functional pottery. The potter's wheel will be emphasized, as well as hand-building methods of slab and coil. Surface treatments, the elements of design, and glazing will be taught through assigned projects. Projects include vessel series created on the potter's wheel, coil pots, and slab boxes.

## ADVANCED SCULPTURE (COURSE 872)

- Grade 10-12
- 1 semester
- ½ credit
- Prerequisite: Beginning Pottery & Sculpture
- Supply fee: \$40.00

Students will continue to develop their skills and creativity through creating three-dimensional artwork using clay. Projects will include portraits, furniture, pop art, and reproductions.

## BEGINNING DRAWING & DESIGN (COURSE 860)

- Grade 10-12
- 1 semester
- ½ credit
- Supply fee: \$40.00

This is an introductory drawing course with an emphasis on mastering materials and techniques. Students will draw from imagination and life, using pencil, charcoal, and conte crayon. Students who have taken the one- quarter drawing class in the past may enroll in this full semester course.

## PAINTING (COURSE 861)

- Grade 10-12
- 1 semester
- ½ credit
- Prerequisite: Beginning Drawing and Design or Ad. & Design
- Supply fee: \$40.00

Students will be working with acrylic paints. Color theory, the principles of design, and painting techniques will be introduced. Students will be encouraged to begin to develop their own style as they continue to explore the possibilities of acrylic paint. Experimentation with non-traditional painting surfaces will be attempted, breaking away from the limitations of two-dimensional planes.

## ADVANCED PAINTING (COURSE 870)

- Grade 11-12
- 1 semester
- ½ credit
- Prerequisite: Painting
- Supply fee: \$40.00

Students will develop and refine their painting skills using gels and various texturing methods and will be challenged to produce portfolio quality paintings. With instructor approval, this course may be repeated by advanced students wishing to produce portfolio-grade works.

## **ADVERTISING & DESIGN (COURSE 853)**

- Grade 10-12
- 1 semester
- ½ credit
- Supply fee: \$40.00

Students will be exposed to styles and principles of designing advertising and products and will create advertisements, logos, and product labels. This course will include the use of computer graphic programs for design and free hand drawing software applications. Images will be compiled into a portfolio and stored digitally for college credit or publishing in the future.

## **SPORTS ART (COURSE 874)**

- Grade 10-12
- 1 semester
- ½ credit
- Supply fee: \$40.00

Students will study principles in sports art, such as motion and the human figure. Student projects will be both 2-dimensional and 3-dimensional.

## **PORTFOLIO PRESENTATION (COURSE 878)**

- Grade 11-12
- 1 semester
- ½ credit
- Criteria for selection; department approval
- Supply fee: \$40.00

Students will learn to develop, select, categorize and document their artworks for review in college applications for art school.

## ART SURVEY (COURSE 879)

- Grade 9
- 1 semester
- ½ credit
- Criteria for selection; department approval
- Supply fee: \$40.00

The Freshman Art Survey Class will expose the student to various art media with the expectation that students will expand that knowledge and skills in advanced art classes. This will enable St Edward students to identify future art classes they may be interested in taking in their time at St Edward.

Students will enhance drawing skills, design, and painting skills through a variety of projects.

This will fulfill the prerequisite to Advanced Painting and Advertising and Design.

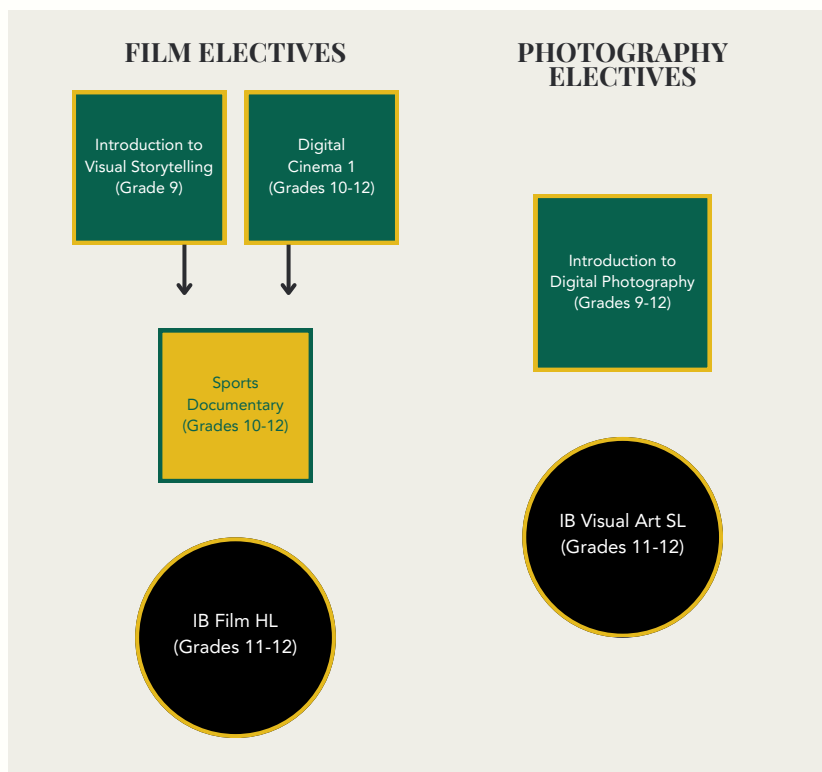
## AESTHETICS & TECHNOLOGY (COURSE 880)

- Grade 11-12
- 1 semester
- ½ credit

This course will focus on the studies of humanity and aesthetics and how they develop or deteriorate with technological advancements. We will look at how past technologies have advanced our understanding of the world, while also looking at the current state of artificial intelligence and developing educational arguments on whether AI will enhance or “kill off” cultural philosophy. Students will leave being inquirers, open-minded, and reflective on the current state of technology and how it affects the overall development of the next generation of global citizens.

# DEPARTMENT OF FILM

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## INTRODUCTION TO FILMMAKING & VISUAL STORYTELLING (COURSE 830)

- Grade 9
- 1 semester
- ½ credit

In the era of Netflix and emerging augmented/virtual reality, Introduction to Visual Storytelling pledges to make the young men of St. Edward more aware of how images shape our identities, relationships, and the very environments in which we live. More specifically, students in this course will explore how films, television programs, graphic novels, social media, advertisements, etc., influence our thoughts and emotions; in turn, we'll collaborate to create comics, a short film, as well as a variety of other 21st century visual stories to better understand how deeply images affect our lives.

## DIGITAL CINEMA 1 (COURSE 833)

- Grade 10-12
- 1 semester
- ½ credit

This class is designed to empower young filmmakers to: 1.) thoughtfully use cinematography to tell original, visually-based stories; 2.) write compelling, three-act screenplays with clear "character arcs", and; 3.) familiarize themselves with the fundamentals related to audio/video hardware and software.

Throughout this course, students will be provided with the academic tools that will enable them to begin viewing film as a powerful storytelling medium – more specifically we will critically view, write about, and seminar on engaging contemporary works within the coming-of-age and horror/suspense genres. And we will do so not only to develop an appreciation for film and an ability to thoughtfully discuss works in the medium, but also to ground and inspire our own original short films, the creation, production, and editing of which will comprise the bulk of the course.

## SPORTS DOCUMENTARY (COURSE 836)

- Grade 10-12
- 1 semester
- ½ credit
- Prerequisite: Introduction to Visual Storytelling  
OR Digital Cinema 1

This course will allow young filmmakers to focus exclusively on documentaries that feature athletes and the conflicts unique to their lives; in turn, we will study feature-length (i.e. Hoop Dreams), episodic (i.e. 30 for 30's) and short (i.e. Always A Fire) documentaries appropriate for this class. Students will study visual storytelling techniques and produce a highly refined supershort documentary—in the "60 Second Supershort" style—as well as one 3-4-minute capstone sports documentary. In doing so, students will have access to prosumer (professional grade) digital film cameras, professional audio equipment, and editing software (Final Cut Pro).



## INTRODUCTION TO DIGITAL PHOTOGRAPHY (COURSE 840)

- Grade 9-12
- 1 semester
- ½ credit

This course seeks to engage students in the study and application of photography. Although photography is one of the oldest forms of digital art, it is still incredibly relevant for society in the areas of media, advertising, and professional design. Combining in-depth analyses of classic and contemporary photography with the use of the film department's state of the art technology (Adobe software and Canon DSLR Hardware), students will be challenged to reflect on, design, and produce compelling photography of their own.

## IB FILM HL (COURSE IB603/604HL)

- Grade 11-12
- 4 semesters (2 years)
- ½ IB credit each semester
- Criteria for selection: department approval for those not pursuing an IB diploma
- Students who take this course must sit for and submit all IB required assessments; registrations and subject fees are applicable.

A cornerstone of the Film Department, our two-year HL offering serves as the ideal spot for passion-ate young filmmakers. HL Film alumni have contributed to films that have won international, national and regional accolades and have allowed students to build meaningful relationships with communities across greater Cleveland. Those who enroll will be primed to create powerful films, work together to explore important civic issues, develop empathy by practicing critical listening skills, thoughtfully analyze cinema from around the globe, and forge friendships through team-based videography.

Unlike Visual Art SL, which explores many mediums, Film HL empowers students to dive deep into the nooks and crannies of 21st century digital cinema: you will have the opportunity to help produce our flagship annual short documentary, create professional-grade short films in popular genres of your choice, and hone your sense of how video shapes your perception of the world around you.

## IB VISUAL ARTS (COURSE IB605SL)

- Grade 11-12
- 2 semesters (1 year)
- ½ IB credit each semester
- Criteria for selection: department approval for those not pursuing an IB diploma
- Students who take this course must sit for and submit all IB required assessments; registrations and subject fees are applicable.

SL Visual Arts is a course which encourages the study of an eclectic blend of various visual arts tailored to the interests of the individual student. IB encourages teachers to leverage student passions as they design coursework; to that end, each year, the cohort will collaborate with the instructor to focus on 2-4 of the following mediums: film, animation, digital photography, comics, print-making, and other sequential visual arts. Offered through the film department, this course asks students to create their own art as well as critically analyze the messages associated with visual language.

The course is divided into three major assessment areas: 1.) a portfolio of work in at least two art-making forms 2.) a visual comparative study of existing work in an area of interest to the student and 3.) an exhibition of work. While Film HL remains the ideal spot for passionate, young filmmakers who seek to work on our annual short doc as well as short films in many other engaging genres, if you have previously taken and enjoyed a film or visual arts course and are interested in more than one medium, this is the course for you.

# DEPARTMENT OF PERFORMING ARTS & MUSIC

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## ELECTRONIC MUSIC PRODUCTION (COURSE 889)

- Grade 10-12
- 1 semester
- ½ credit
- Supply fee: \$40.00

Students will explore elements of music such as rhythm, melody and harmony, through their use in electronic music. Logic Pro X will be used to program beats, create and manipulate loops, sample sounds and formulate original music productions. Skills are mastered through experimentation and creative projects. Accumulated skills will be used to create complete music tracks to share and/or use as background for video. Previous music training or knowledge is NOT required -- only a love of music and desire to learn more about it and create some of your own.

## INDEPENDENT STUDY IN MUSIC (COURSE 890)

- Grade 10-12
- 1 semester
- ½ credit
- Criteria for selection: department approval

Advanced study in music for the student who wishes to pursue music in college. Emphasis may be placed in audition preparation, theory, music technology, composition or music history/literature. Students may sign up for the course more than once.

## STRING ORCHESTRA (COURSE 898)

- Grade 9-12
- 2 semesters
- ½ credit (meets every other day, alternating with a study hall)
- This course may be taken more than once.
- Criteria for selection: department approval.

Students learn techniques for playing orchestral string instruments (violin, viola, cello, and bass) and to perform varied orchestral literature. The combined orchestra performs at several concerts. Concert attendance (3 Sundays in the spring semester) is mandatory. Emphasis is placed on ensemble performance techniques.

## CHOIR (COURSE 893)

- Grade 9-12
- 2 semesters
- ½ credit each semester
- This course may be taken more than once.

This vocal music ensemble studies liturgical, concert and popular literature and performs for holiday programs, concerts, and special events. Students learn individual and ensemble singing techniques. Attendance at performances is mandatory.

## FUNDAMENTALS OF ENSEMBLE MUSICIANSHIP (COURSE 892)

- Grade 9-12
- 2 semesters
- ½ credit each semester
- Criteria for selection: approval of director.
- This course may be taken more than once.

This course studies the fundamentals of playing wind and percussion instruments and is recommended for incoming freshmen or others who wish to participate in the band program. Students will work towards chamber music performances throughout the year, namely at OMEA Solo and Ensemble Contest in late January or February. In addition to performance concepts, students learn music theory in depth. This class is recommended to be taken in conjunction with one or more of the large performing ensembles at St. Edward: Marching Eagles, Symphonic Band, or Jazz Ensemble.

## SYMPHONIC BAND COURSE 896)

- Grade 9-12
- Meets after school three days a week beginning in Quarter 2 (November) and ending in Quarter 4 (May)
- ½ credit each semester
- Criteria for selection: approval of director.
- This course may be taken more than once.
- This course may be taken as pass/fail (modified grading) with approval of the director prior to beginning the course.

This course is open to all students at St. Edward, St. Joseph Academy, and Magnificat High School that can play a wind or percussion instrument. This instrumental music ensemble studies concert literature and performs at the OMEA Large Group Assessment and in concert during the third and fourth quarters (3 Sundays). Attendance at rehearsal is paramount, students will be expected to show improvement throughout the semester.

## MARCHING BAND (COURSE 899)

- Grade 9-12
- Summer and after school/weekends in the first quarter and beginning of the second quarter
- ¼ credit
- Criteria for selection; approval of director required.
- This course may be taken as pass/fail (modified grading) with approval of the director prior to beginning the course.
- This course may be taken more than once.

Marching Band combines musical performance and visual movement. Marching band is open to all winds and percussionists with prior experience and colorguard by audition in the spring. The marching band performs at all home and away football games, several parades, and band competitions throughout the summer and fall. Rehearsals begin in June prior to the start of the school year. Band camp is held the last week of July and the first full week of August and is mandatory for all students enrolled in the course.

During the football season, full band rehearsals are held on a regular basis on Tuesday through Friday afternoons. One rehearsal per week will be from 6:30 until 9:00 pm. The dates and times of rehearsals and performances are published to [www.sehs.net/pacalendar](http://www.sehs.net/pacalendar) before the start of the course. Open to students of Catholic girls' high schools with the additional approval of the school principal, music director, and parent.

Attendance at rehearsals is paramount, students will be expected to show improvement throughout the semester. Attendance at all performances is mandatory.

## IB MUSIC PERSPECTIVES SL (COURSE IB611SL)

- Grade 11-12
- 2 semesters (1 year)
- ½ IB credit each semester
- Criteria for selection: department approval for those not pursuing an IB diploma
- Students who take this course must sit for and submit all IB required assessments; registrations and subject fees are applicable.

This course examines the diversity of music through creation and analysis. Emphasis is on the students' personal aesthetics, as well as other local and global music. Students will maintain a portfolio of musical explorations submitted to IB for assessment. The creation of music through technology is an integral part of this course. IB Music SL is open to all students, regardless of musical ability. Those who play instruments may explore music via those instruments; however, original music produced in this course may be created solely via digital audio workstations such as GarageBand or Logic.

# THEORY OF KNOWLEDGE COURSES

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## INTRODUCTION TO CRITICAL THINKING (COURSE 190)

- Grade 10
- 1 semester
- ½ credit

Ideally, this elective course for sophomores would run each semester and act as a stepping stone to the larger ideas in TOK specifically and the Diploma Program broadly; however, students both strongly considering the IB DP and those who simply want to engage with fundamental philosophical ideas and practices are encouraged to enroll. Within the course, students would have the opportunity to construct and analyze arguments and their forms, close readings of texts in order to draw out and summarize their arguments and assumptions, and applying these methods and tools to some philosophical issues of perception, identity, and other topics of the students' choosing.

## THEORY OF KNOWLEDGE, YEARS 1 & 2 (IBTOK1/2)

- Grades 11-12
- 4 semesters
- ½ IB credit each semester

A required component of the IB Diploma Program, Theory of Knowledge empowers Diploma candidates to rigorously develop the IB Learner Profile skills of critical thinking, communication, open mindedness, ethics and more.

A blend of philosophy, bias analysis, and deep inquiry, TOK challenges Diploma candidates to explore themselves as Knowers, and better grasp how Scope, Perspective, Methods and Tools (of measuring knowledge) and Ethics play into our sense of determining what even counts as knowledge in the Age of Information.

Ultimately, through the summative Exhibition and Essay, Theory of Knowledge aims to enable students to think with precision and care, demonstrate intellectual humility and bring an Edwardian sense of community to their academic life so that they may bring about “the better, more peaceful world” all IB World Schools aspire to create.

# DEPARTMENT OF PHYSICAL EDUCATION

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The following Physical Education credits are required:

GRADE 9	Health
GRADE 9-12	½ credit for Physical Education (earned through classes) or Physical Education Exemption (earned through 2 seasons of Sport or Marching Band participation) or Physical Education Flex Credit.

## HEALTH (COURSE 911)

- Grade 9
- 1 semester
- ½ credit

This course examines choices to empower personal wellness and to recognize the relationship between the physical, mental, emotional, and social dimensions of health and its effect on the total person. The areas which are studied are goal setting, personal growth, mental wellness, anxiety management skills, CPR and AED, first aid, fitness, nutrition, addictions, and violence prevention. This course may be taken on line for a fee.

## PHYSICAL EDUCATION (COURSE 915)

- Grade 10-12
- 1 semester
- ¼ credit

Emphasis is on the formation of a healthy lifestyle incorporating fitness and leisure time activities. Individual and dual activities are taught as equipment allows. Team sports are played with class teams engaging in round-robin tournaments. The student will also gain firsthand experience in different types of weight training, including free weights, machines, plyometrics, circuit training, rubber band resistance, and manual resistance. Great emphasis will be placed on learning proper technique and safety for free weights. The training will be primarily ground based with a strong emphasis on stabilizer muscles. Students may take this course more than once.

## STRENGTH & CONDITIONING (COURSE 921)

- Grade 9
- 1 semester
- ¼ credit

This class will teach students the system of development of an athlete's movement patterns, strength, power production and injury resistance. Students who complete this course will be prepared for more advanced systems of training, including those integrated into St. Edward's varsity athletic programs.

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## PHYSICAL EDUCATION EXEMPTION

Two semesters of physical education are required in order to graduate from St. Edward High School – or any high school in Ohio – but a recent change to Ohio law allows for an exemption for any student who, during high school, “has participated in interscholastic athletics, marching band or cheerleading for at least two full seasons” [O.R.C. 3313.603(L)]. Thus, a student who plays any combination of St. Edward's 16 sports at any level—freshman, JV or varsity—or marching band or cheer- leading for a total of two seasons is exempt. In the case of an exemption, the student would be excused from P.E. classes, but his total number of credits for graduation would not change, there- fore he would have to replace P.E. with other academic electives or simply continue to take P.E. as an elective. The exemption would be noted on the student's official transcript.



# INDEPENDENT STUDY AND CREDIT FLEXIBILITY INFORMATION AND GUIDELINES

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In accordance with Ohio law, 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. Approved credit awarded through this policy will be posted on the student's transcript and counted toward student grade point average (GPA) and as graduation credit in the related subject area or as an elective.

## APPLICATION

Any student may apply for credit to be awarded through Independent Study or Credit Flexibility. The student will submit an application on the Application for Credit Flexibility form. All required information must be provided. The student may be required to provide supporting documentation as determined by the School Counselor and/or Principal or designee of the Principal. Application may be made at any time. Work completed prior to the approval of an application will not be eligible to count toward credit.

## REVIEW OF APPLICATION

The application will be reviewed by the school counselor(s) and Principal or designee of the Principal. Upon approval of a completed application, the student may then proceed with the learning activity and credit will be awarded when all requirements are completed and evaluated. The Principal or designee may consult with the facilitator of the related department or others as needed to provide needed information prior to making a decision regarding the awarding or denial of credit.

## AWARDING CREDIT

A student may be eligible to receive credit upon satisfactory completion of the coursework, activity, assessment and/or performance as required by the Principal or designee. The following standards and guidelines apply to awarding credit:

- The total number of credits that may be awarded is not limited.
- The successful completion of a pre-approved course may result in credit being designated as fulfilling either required or elective credit toward graduation requirements.

- All courses, as applicable, must be aligned to the Ohio Academic Content and Technical Standards to receive credit.
- Credit from other districts and educational providers, including online providers, may be accepted in accordance with the Ohio Operating Standards as determined by St. Edward High School. A student will not be granted credit if he participates in courses through outside sources without prior approval.
- The Principal or designee may award credit for custom learning activity(s) in the amount approved in advance based upon the equivalence to a 120 hour (Carnegie unit) course. In preapproved cases, partial credits may be awarded where deemed appropriate.
- The Principal or designee may award credit or partial credit for preapproved assessments, performances or work products that demonstrate mastery of content of any course offered at St. Edward High School. Elective credit for courses not offered at St. Edward High School may also be earned in this manner as preapproved.
- Honors or Advanced Placement (AP) courses may not be taken through credit flexibility. There are NO weighted grades for credits earned through credit flexibility.
- In cases where a student's behavior in a course compromises his peers' ability to learn and/or the teacher's ability to teach, the Principal has the right to review said cases and remove the student for the course if need be. In these cases, no exam, course, lab, supply or other such fees will be refunded.
- While the school makes every effort to produce an accurate Course Catalog, staffing changes and other circumstances beyond our control sometimes necessitate updates and revisions; in turn, the school reserves the right to change this catalog as need be.

## **DETERMINING GRADES**

- Grades earned through Independent Study and/or Credit Flexibility will NOT be weighted. The letter grade to be posted on the transcript and included in the student's grade point average will be awarded as determined by the Teacher of Record.
- If a student fails to make adequate progress on coursework, the approval to further pursue the proposed credit may be revoked and a failing grade will be posted to the student's transcript.
- The final grade for the course must be posted before the credit can count toward graduation.
- If a student is unable to complete the course due to illness (with provided medical documentation) or other valid reason as determined by the Principal or designee, an extension may be permitted and/or requirements revised. If the student does not intend to complete the credit and there has been an illness or other valid reason, the application may be withdrawn without penalty by the Principal or designee.
- Should a student transfer to another school, upon request of the student or parent, St. Edward High School shall forward a copy of the approved application to the new school for their consideration.

## **ACCESS**

This policy does not in any way prohibit access to online education, postsecondary options or services from another district.

This document is updated annually, typically in January.