

## **Xavier Class Descriptions (2018)**

### **History**

#### **7th Grade History A (2501)**

7

History is the study of causation. Its purpose is to encourage good citizenship through the skills of critical/individual analysis of facts, determining the reliability of sources, and a synthesis of all of these to create overarching understanding of our present. Core History 7 will cover the period of history surrounding the United States from the late nineteenth century until the end of WWII.

#### **7th Grade History B (2502)**

7

History is the study of causation. Its purpose is to encourage good citizenship through the skills of critical/individual analysis of facts, determining the reliability of sources, and a synthesis of all of these to create overarching understanding of our present. Core History 7 will cover the period of history surrounding the United States from the late nineteenth century until the end of WWII.

#### **8th Grade History A (2503)**

8

History is the study of causation. Its purpose is to encourage good citizenship through the skills of critical/individual analysis of facts, determining the reliability of sources, and a synthesis of all of these to create overarching understanding of our present. Core History 8 A will cover the period of history surrounding the United States from the end of WWII to the End of the Cold War. The following topics and their influences on modern society will be analyzed: the Cold War itself, the Chinese Cultural Revolution, the decline of European Colonialism, and the U.S. Constitution.

#### **8th Grade History B (2504)**

8

History is the study of causation. Its purpose is to encourage good citizenship through the skills of critical/individual analysis of facts, determining the reliability of sources, and a synthesis of all of these to create overarching understanding of our present. Core History 8 B will cover the period of history surrounding the United States from the end of the Cold War to the Present. The following topics and their influences on modern society will be analyzed: The American Civil Rights Movement, The Middle East and Oil Politics, Environmental Activism, and the War on Terror.

### **Western Civilization I A (4150), Honors Western Civilization I A (4250)**

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History is the study of causation. Its purpose is to encourage good citizenship through the skills of critical/individual analysis of facts, determining the reliability of sources, and a synthesis of all of these to create overarching understanding of our present. Western Civilization I will cover the period of world history from its beginnings through the Middle Ages. This class will place a heavy emphasis on the importance of Judeo-Christian thought and Greco-Roman thought as the cornerstones of Western Civilization. This course is designed to establish the religious, political, and social contexts crucial to understanding Western Civilization as a whole. We will attempt to, as much as is possible, to connect the history of these civilizations to our own through the use of Socratic dialogue, rhetoric, and the analysis of primary sources.

### **Western Civilization I B (4151), Honors Western Civilization I B (4251)**

9

History is the study of causation. Its purpose is to encourage good citizenship through the skills of critical/individual analysis of facts, determining the reliability of sources, and a synthesis of all of these to create overarching understanding of our present. Western Civilization I will cover the period of world history from its beginnings through the Middle Ages. This class will place a heavy emphasis on the importance of Judeo-Christian thought and Greco-Roman thought as the cornerstones of Western Civilization. This course is designed to establish the religious, political, and social contexts crucial to understanding Western Civilization as a whole. We will attempt to, as much as is possible, to connect the history of these civilizations to our own through the use of Socratic dialogue, rhetoric, and the analysis of primary sources.

### **Western Civilization II A (4152), Honors Western Civilization II A (4252)**

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History is the study of causation. Its purpose is to encourage good citizenship through the skills of critical/individual analysis of facts, determining the reliability of sources, and a synthesis of all of these to create overarching understanding of our present. Western Civilization II will cover the period of world history from the Renaissance through the middle of the twentieth century. There will be a heavy emphasis on the enlightenment and its contributions to modern the understanding of the world. This course is designed to establish the religious, political, and social contexts crucial to understanding Western Civilization as a whole. We will attempt to, as much as is possible, to connect the history of these civilizations to our own through the use of Socratic dialogue, rhetoric, and the analysis of primary sources.

### **Western Civilization II B (4153), Honors Western Civilization II B (4253)**

10

History is the study of causation. Its purpose is to encourage good citizenship through the skills of critical/individual analysis of facts, determining the reliability of sources, and a synthesis of all of these to create overarching understanding of our present. Western Civilization II will cover the period of world history from the Renaissance through the middle of the twentieth century. There will be a heavy emphasis on the enlightenment and its contributions to modern the

understanding of the world. This course is designed to establish the religious, political, and social contexts crucial to understanding Western Civilization as a whole. We will attempt to, as much as is possible, to connect the history of these civilizations to our own through the use of Socratic dialogue, rhetoric, and the analysis of primary sources.

**US History A (4154), AP US History A (4158)**

11

History is the study of causation. Its purpose is to encourage good citizenship through the skills of critical/individual analysis of facts, determining the reliability of sources, and a synthesis of all of these to create overarching understanding of our present. U.S. History will cover the history of the United States from its Native American beginnings through the present day. We will take an objective look at both the positive and negative forces that shaped our nation and made it what it is today.

**US History B (4155), AP US History B (4159)**

11

History is the study of causation. Its purpose is to encourage good citizenship through the skills of critical/individual analysis of facts, determining the reliability of sources, and a synthesis of all of these to create overarching understanding of our present. U.S. History will cover the history of the United States from its Native American beginnings through the present day. We will take an objective look at both the positive and negative forces that shaped our nation and made it what it is today.

**Economics (4163)**

11

Economics is the study of individual choices regarding limited resources to satisfy unlimited wants. The purpose of this course is to enable students to study the works of past economists to understand the economy and its relationship to individuals and the government. This course reviews the earliest teachings in this subject up to present day. We discuss how society has moved from an agrarian economic system to the modified capitalist system we have in the U.S. It encourages students to understand, analyze, and draw conclusions about the evolution of the economic system of Western Civilization, as well as the economic decisions they make and see in everyday life.

**American Government A (4156), AP American Government A (4161)**

12

Government is the study of the human relationship with power. Its purpose is to encourage good citizenship through the skills of critical/individual analysis of facts, determining the reliability of sources, and a synthesis of all of these to create overarching understanding of our present.. In order for students to become great citizens, it is necessary that they learn not only the history of their nation, but the origins and implications of its constitution. Students are also expected to gain an understanding as to the mechanics of American government, as well as an appreciation for how and why it has evolved since the time of its inception.

**American Government B (4157), AP American Government B (4162)**

12

Government is the study of the human relationship with power. Its purpose is to encourage good citizenship through the skills of critical/individual analysis of facts, determining the reliability of sources, and a synthesis of all of these to create overarching understanding of our present.. In order for students to become great citizens, it is necessary that they learn not only the history of their nation, but the origins and implications of its constitution. Students are also expected to gain an understanding as to the mechanics of American government, as well as an appreciation for how and why it has evolved since the time of its inception.

## **Spanish**

### **8th Intro to Spanish (5359)**

8

This class will introduce students to grammatical structure and how it compares to English. We will explore the Hispanic culture and its influence and expansion throughout the world. Students will build a vocabulary that will be usable in communicating in a few basic social situations and memorize several dialogues using their vocabulary. Students will work on correct spelling, pronunciation and listening for comprehension.

### **9th-12th Spanish 1 A (3701)**

9

This class will focus on grammatical structure of the language. Students will begin building a working vocabulary for communication. Students will learn to write, read and speak the target language while increasing their listening abilities. Present tense verbs will be the main focus at this level. Students will also gain an appreciation and understanding of the several of the diverse Spanish-speaking countries and their cultures.

### **9th-12th Spanish 1 B (3702)**

9

This class will focus on grammatical structure of the language. Students will begin building a working vocabulary for communication. Students will learn to write, read and speak the target language while increasing their listening abilities. Present tense verbs will be the main focus at this level. Students will also gain an appreciation and understanding of the several of the diverse Spanish-speaking countries and their cultures.

### **9th-12th Spanish 2 A (3703)**

10

This Spanish class is structured in units. Students will expand their working vocabulary and expand their verb tenses to include irregular preterit tense and imperfect tense. Students will increase their understanding in writing, reading, listening and speaking in the target language. Students will also continue increase their understanding of the diverse Spanish-speaking world and its culture.

### **9th-12th Spanish 2 B (3704)**

10

This Spanish class is structured in units. Students will expand their working vocabulary and expand their verb tenses to include irregular preterit tense and imperfect tense. Students will increase their understanding in writing, reading, listening and speaking in the target language. Students will also continue increase their understanding of the diverse Spanish-speaking world and its culture.

**Honors Spanish 3 A (3705H)**

11

This class will focus more on communicating with others utilizing the target language and moving away from English. Students will continue expanding vocabulary, grammatical structure and verb tenses [future & conditional]. This year will also include memorizing poetry, doing a presentation on a Hispanic artist and exploring Spanish-speaking countries more in depth.

**Honors Spanish 3 B (3706H)**

11

This class will focus more on communicating with others utilizing the target language and moving away from English. Students will continue expanding vocabulary, grammatical structure and verb tenses [future & conditional]. This year will also include memorizing poetry, doing a presentation on a Hispanic artist and exploring Spanish-speaking countries more in depth.

**Honors Spanish 4A (3707H)**

12

This class will focus more on speaking & reading primarily/only in Spanish. Students will listen to native Spanish speakers to increase comprehension and continue to build their vocabulary knowledge and verb tenses (imperativo/mandatory subjuntivo). Students will read short passages working toward longer passages.

**Honors Spanish 4B (3708H)**

12

This class will focus more on speaking & reading primarily/only in Spanish. Students will listen to native Spanish speakers to increase comprehension and continue to build their vocabulary knowledge and verb tenses (imperativo/mandatory subjuntivo). Students will read short passages working toward longer passages.

## English

### 7th Grade Language Arts A (2201)

7

The works of literature in this course have been selected to correspond with the both the Core Knowledge Program, and topics and themes covered in 7<sup>th</sup> grade history, and a Shakespeare play. The literature studied focuses on character development and the discovery of self. The Literature Studied includes full works or selections from:

1. *Call of the Wild*
2. *All Quiet on the Western Front*
3. *Anne Frank: The Diary of a Young Girl*
4. *The Strange Case of Dr. Jekyll and Mr. Hyde*
5. *Cyrano De Bergerac*
6. *The Tempest*
7. Poetry, Short Stories, Speeches, and Essays

Students will be expected to write in a number of formats, and to draw conclusions and examine critically the people, events and intellectual trends connected to the literature. Their primary focus is on essay organization, types of writing, and developing quality thesis statements, as well as literary analysis through persuasive, cause and effect, and research writing. Latin and Greek roots and affixes, as well as grammar and mechanics, are studied formally to provide students with a common vocabulary with which to discuss their writing with teachers and peers.

### 7th Grade Language Arts B (2202)

7

The works of literature in this course have been selected to correspond with the both the Core Knowledge Program, and topics and themes covered in 7<sup>th</sup> grade history, and a Shakespeare play. The literature studied focuses on character development and the discovery of self. The Literature Studied includes full works or selections from:

1. *Call of the Wild*
2. *All Quiet on the Western Front*
3. *Anne Frank: The Diary of a Young Girl*
4. *The Strange Case of Dr. Jekyll and Mr. Hyde*
5. *Cyrano De Bergerac*
6. *The Tempest*
7. Poetry, Short Stories, Speeches, and Essays

Students will be expected to write in a number of formats, and to draw conclusions and examine critically the people, events and intellectual trends connected to the literature. Their primary focus is on essay organization, types of writing, and developing quality thesis statements, as well as literary analysis through persuasive, cause and effect, and research writing. Latin and

Greek roots and affixes, as well as grammar and mechanics, are studied formally to provide students with a common vocabulary with which to discuss their writing with teachers and peers.

### **8th Grade Language Arts A (2203)**

8

The works of literature in this course have been selected to correspond with the both the Core Knowledge Program, topics and themes covered in 8<sup>th</sup> grade history, and a Shakespeare play. The literature studied focuses on the conflicts and issues that arise within a society and includes full works or selections from:

1. *Fahrenheit 451*
2. *Twelfth Night*
3. *To Kill a Mockingbird*
4. *I Know Why the Caged Bird Sings (selections)*
5. *Pride and Prejudice*
6. *Animal Farm*
7. *Lord of the Flies*
8. Poetry, Short Stories, Speeches, and Essays

Students will be expected to write in a number of formats, and to draw conclusions and examine critically the people, events and intellectual trends connected to the literature. Their primary focus is on essay organization, types of writing, and developing quality thesis statements, as well as literary analysis through persuasive, cause and effect, and research writing. Latin and Greek roots and affixes, as well as grammar and mechanics, are studied formally to provide students with a common vocabulary with which to discuss their writing with teachers and peers.

### **8th Grade Language Arts B (2204)**

8

The works of literature in this course have been selected to correspond with the both the Core Knowledge Program, topics and themes covered in 8<sup>th</sup> grade history, and a Shakespeare play. The literature studied focuses on the conflicts and issues that arise within a society and includes full works or selections from:

1. *Fahrenheit 451*
2. *Twelfth Night*
3. *To Kill a Mockingbird*
4. *I Know Why the Caged Bird Sings (selections)*
5. *Pride and Prejudice*
6. *Animal Farm*
7. *Lord of the Flies*
8. Poetry, Short Stories, Speeches, and Essays

Students will be expected to write in a number of formats, and to draw conclusions and examine critically the people, events and intellectual trends connected to the literature. Their primary focus is on essay organization, types of writing, and developing quality thesis statements, as well as literary analysis through persuasive, cause and effect, and research writing. Latin and Greek roots and affixes, as well as grammar and mechanics, are studied formally to provide students with a common vocabulary with which to discuss their writing with teachers and peers.

### **Ancient Literature A (4101), Honors Ancient Literature A (4201)**

9

The works of literature in this course have been selected to correspond with the topics and themes covered in ninth grade history. The literature studied focuses on the foundational stories from dawn of Western Civilization that have shaped archetypal characters and conflicts throughout human history. The literature studied includes full works or selections from:

1. *The Epic of Gilgamesh*
2. Egyptian poetry
3. Hebrew literature
4. *Bulfinch's Mythology*
5. *The Iliad*
6. *The Odyssey*
7. *Medea*
8. *Oedipus the King*
9. *Aeneid*
10. *Antony and Cleopatra*
11. Poetry, short stories, speeches, and essays

Students will be expected to write in a number of formats, and to draw conclusions and examine critically the people, events and intellectual trends connected to the literature. Grammar, mechanics, and vocabulary are studied formally.

### **Ancient Literature B (4102), Honors Ancient Literature B (4202)**

9

The works of literature in this course have been selected to correspond with the topics and themes covered in ninth grade history. The literature studied focuses on the foundational stories from dawn of Western Civilization that have shaped archetypal characters and conflicts throughout human history. The literature studied includes full works or selections from:

1. *The Epic of Gilgamesh*
2. Egyptian poetry
3. Hebrew literature
4. *Bulfinch's Mythology*
5. *The Iliad*
6. *The Odyssey*

7. *Medea*
8. *Oedipus the King*
9. *Aeneid*
10. *Antony and Cleopatra*
11. Poetry, short stories, speeches, and essays

Students will be expected to write in a number of formats, and to draw conclusions and examine critically the people, events and intellectual trends connected to the literature. Grammar, mechanics, and vocabulary are studied formally.

### **British Literature A (4103), Honors British Literature A (4203)**

10

Sophomores study major texts that reflect the formation of the civilizations of modern Europe, especially Great Britain. Students are expected to write in a number of formats drawing conclusions and critically examining the people, events and intellectual trends connected to the literature. Latin and Greek roots and affixes, as well as grammar and mechanics, are studied formally to provide students with a common vocabulary with which to discuss their writing with teachers and peers. The curriculum is rigorous and will provide the intellectual challenges and workload consistent with sophomore high school literature and composition. An honors level track is optional each semester for interested students. Honors level offerings are consistent with a pre-AP (Advanced Placement) course.

1. *Beowulf*
2. *Macbeth*
3. *Sir Gawain and the Green Knight*
4. *Canterbury Tales*
5. *Paradise Lost*
6. *Faust*
7. *Dante's Inferno*
8. *Frankenstein*
9. *Persuasion*
10. *A Tale of Two Cities*
11. "A Modest Proposal"
12. *Consolation of Philosophy*
13. Various poetry, short stories, speeches, and essays

### **British Literature B (4104), Honors British Literature B (4204)**

10

Sophomores study major texts that reflect the formation of the civilizations of modern Europe, especially Great Britain. Students are expected to write in a number of formats drawing conclusions and critically examining the people, events and intellectual trends connected to the literature. Latin and Greek roots and affixes, as well as grammar and mechanics, are studied formally to provide students with a common vocabulary with which to discuss their writing with teachers and peers. The curriculum is rigorous and will provide the intellectual challenges and

workload consistent with sophomore high school literature and composition. An honors level track is optional each semester for interested students. Honors level offerings are consistent with a pre-AP (Advanced Placement) course.

1. *Beowulf*
2. *Macbeth*
3. *Sir Gawain and the Green Knight*
4. *Canterbury Tales*
5. *Paradise Lost*
6. *Faust*
7. *Dante's Inferno*
8. *Frankenstein*
9. *Persuasion*
10. *A Tale of Two Cities*
11. "A Modest Proposal"
12. *Consolation of Philosophy*
13. Various poetry, short stories, speeches, and essays

### **American Literature A (4105), Honors American Literature A (4205)**

11

Juniors and seniors study major texts that reflect the formation of the United States and the development of American culture. Students are expected to write in a number of formats drawing conclusions and critically examining the people, events and intellectual trends connected to the literature. Latin and Greek roots and affixes, as well as grammar and mechanics, are studied formally to provide students with a common vocabulary with which to discuss their writing with teachers and peers. The curriculum is rigorous and will provide the intellectual challenges and workload consistent with senior high school literature and composition. Students interested in an honors level distinction are advised to enroll in AP language.

1. *Scarlet Letter (honors)*
2. *The Crucible*
3. *Grapes of Wrath*
4. *Last of the Mohicans*
5. "Sinners in the Hands of an Angry God"
6. *Sea Wolf*
7. *Sleepy Hollow*
8. *Walden (excerpt) and Self-Reliance*
9. *Moby Dick*
10. *Leaves of Grass*
11. *Huckleberry Finn*
12. *Othello*
13. *Their Eyes were Watching God*
14. Various poetry, short stories, speeches, and essays

## **American Literature B (4106), Honors American Literature B (4206)**

11

Juniors and seniors study major texts that reflect the formation of the United States and the development of American culture. Students are expected to write in a number of formats drawing conclusions and critically examining the people, events and intellectual trends connected to the literature. Latin and Greek roots and affixes, as well as grammar and mechanics, are studied formally to provide students with a common vocabulary with which to discuss their writing with teachers and peers. The curriculum is rigorous and will provide the intellectual challenges and workload consistent with senior high school literature and composition. Students interested in an honors level distinction are advised to enroll in AP language.

1. *Scarlet Letter*
2. *The Crucible*
3. *Grapes of Wrath*
4. *Last of the Mohicans*
5. "Sinners in the Hands of an Angry God"
6. *Sea Wolf*
7. *Sleepy Hollow*
8. *Walden (excerpt) and Self-Reliance*
9. *Moby Dick*
10. *Leaves of Grass*
11. *Huckleberry Finn*
12. *Othello*
13. *Their Eyes were Watching God*
14. Various poetry, short stories, speeches, and essays

## **AP Literature & Composition A (4209)**

11/12

AP Literature is a college level, full-year class for students at the senior level that seeks to improve students' skills in the areas of reading, writing, literary interpretation and analysis. As are all AP courses, this class is overseen by the National College Board. As such, it is mandated that the course be extremely rigorous and taught at the same level as a first year literature course at a major university. All students who take the course are expected and encouraged to take the AP test in May to possibly qualify for college credit. This is a fast moving and very challenging course, and students must be prepared to keep up with a heavy reading load throughout the entire year. The course will have a heavy focus on writing and reading, and will incorporate speaking and listening skills through Socratic discussion. Students will be expected to write in a number of formats, and to draw conclusions and examine critically the people, events and intellectual trends connected to the literature. Grammar and mechanics are studied formally to provide students with a common vocabulary with which to discuss their writing with teachers and peers. Understanding the nuances of written language prepares

students to elevate their writing in anticipation of the AP examination. Spelling and vocabulary study and quizzes will also be incorporated as needed, specifically to help the students perform better on the AP test, as well as better engage in the advanced level of reading material.

\*\*Reading materials for AP Literature will vary, but will include readings from the approved College Board listings.

### **AP Literature & Composition B (4210)**

12

AP Literature is a college level, full-year class for students at the senior level that seeks to improve students' skills in the areas of reading, writing, literary interpretation and analysis. As are all AP courses, this class is overseen by the National College Board. As such, it is mandated that the course be extremely rigorous and taught at the same level as a first year literature course at a major university. All students who take the course are expected and encouraged to take the AP test in May to possibly qualify for college credit. This is a fast moving and very challenging course, and students must be prepared to keep up with a heavy reading load throughout the entire year. The course will have a heavy focus on writing and reading, and will incorporate speaking and listening skills through Socratic discussion. Students will be expected to write in a number of formats, and to draw conclusions and examine critically the people, events and intellectual trends connected to the literature. Grammar and mechanics are studied formally to provide students with a common vocabulary with which to discuss their writing with teachers and peers. Understanding the nuances of written language prepares students to elevate their writing in anticipation of the AP examination. Spelling and vocabulary study and quizzes will also be incorporated as needed, specifically to help the students perform better on the AP test, as well as better engage in the advanced level of reading material.

\*\*Reading materials for AP Literature will vary, but will include readings from the approved College Board listings.

### **Modern & Comparative Literature A (4107)**

12

This course examines some ancient texts which are critical for the understanding the major authors and texts of modern literary tradition, focusing on works from the 19th century on. Students analyze literature and identify well-known authors by style, content and historical context. . Students will be expected to write in a number of formats, and to draw conclusions and examine critically the people, events and intellectual trends connected to the literature. Grammar and mechanics are studied formally to provide students with a common vocabulary with which to discuss their writing with teachers and peers. The curriculum is rigorous and will provide the intellectual challenges and workload consistent with senior high school literature and composition.

*A Picture of Dorian Gray*

*An Enemy of the People*

*Metamorphosis*

*The Great Gatsby*

*A Farewell To Arms*

*Of Mice and Men*  
*Ethan Frome*  
*Death of a Salesman*  
*Crime and Punishment*  
*Main Street*  
*The Jungle*  
*Hamlet*

### **Modern & Comparative Literature B (4108)**

12

This course examines some ancient texts which are critical for the understanding the major authors and texts of modern literary tradition, focusing on works from the 19th century on. Students analyze literature and identify well-known authors by style, content and historical context. . Students will be expected to write in a number of formats, and to draw conclusions and examine critically the people, events and intellectual trends connected to the literature. Grammar and mechanics are studied formally to provide students with a common vocabulary with which to discuss their writing with teachers and peers. The curriculum is rigorous and will provide the intellectual challenges and workload consistent with senior high school literature and composition.

*A Picture of Dorian Gray*  
*An Enemy of the People*  
*Metamorphosis*  
*The Great Gatsby*  
*A Farewell To Arms*  
*Of Mice and Men*  
*Ethan Frome*  
*Death of a Salesman*  
*Crime and Punishment*  
*Main Street*  
*The Jungle*  
*Hamlet*

## **Math**

### **9th-12th Basic Pre-Alg. 1 A (3308), 7th-8th Pre-Algebra A (2303)**

7-12

This course is an introduction to the real number system and variables in preparation for high school mathematics. This course focuses on basic algebra, working with ratios and integers, and modeling. It encourages students to make sense of these problems and persevere in their solution.

### **9th-12th Basic Pre-Alg. 1 B (3309), 7th-8th Pre-Algebra B (2304)**

7-12

This course is an introduction to the real number system and variables in preparation for high school mathematics. This course focuses on basic geometry, statistics, and probability. It encourages students to make sense of these problems and persevere in their solution.

### **9th-12th Algebra 1 A (3301), 7th-8th Algebra 1 A (2308)**

7-12

Algebra provides all the basic building blocks needed for future math, science, computer, economics, or business courses. This course is designed to prepare you for future math classes, as well as making you a better thinker and problem solver. We will cover the following topics: solving first-degree equations, ratios and proportions, graphing linear equations, writing linear equations, absolute value equations, and functions.

### **9th-12th Algebra 1 B (3302), 7th-8th Algebra 1 B (2309)**

7-12

This course continues to build the basic building blocks needed for future classes. We will cover the following topics: first-degree inequalities, linear inequalities, polynomials and factoring, exponents and radicals, and other topics based on time that include systems of linear equations and inequalities, and quadratic equations.

### **9th-12th Geometry A (3306), Honors Geometry A (4289), 7th-8th Geometry A (2310)**

7-12

Based on Euclidean Geometry this class is the application of algebraic concepts in terms of geometric figures. This semester includes extensive study of the triangle, parallel lines, formal proofs, the Pythagorean Theorem, and applications of mathematical formulas. Geometry focuses on problem solving, critical thinking, communication, and making connections to other subject areas as well as the world we live in.

**9th-12th Geometry B (3307), Honors Geometry B (4290), 7th-8th Geometry B (2311)**

7-12

Based on Euclidean Geometry this class is the application of algebraic concepts in terms of geometric figures. This semester includes quadrilaterals and other polygons, circles, two and three dimensional relationships, introduction to trigonometry, proportions, area, volume, and applications of mathematical formulas. Geometry focuses on problem solving, critical thinking, communication, and making connections to other subject areas as well as the world we live in.

**Algebra 2 A (4285), Honors Algebra 2 A (4287)**

9-12

Algebra 2 provides a review and extension of the concepts taught in Algebra 1. Throughout this course, students will develop learning strategies, critical thinking skill, and problem solving techniques to prepare for future math courses and college entrance exams. Topics covered will include systems of equations and inequalities, graphing quadratic equations, and solving quadratic equations.

**Algebra 2 B (4286), Honors Algebra 2 B (4288)**

9-12

Students will continue to develop learning strategies, critical thinking skill, and problem solving techniques to prepare for future math courses and college entrance exams. Topics covered will include complex numbers, polynomial and rational functions, radicals, and others as we have time.

**Pre-Calculus A (4281)**

9-12

The first semester of Pre-Calculus focuses on algebraic techniques needed to prepare students for the study of calculus, and strengthens students' conceptual understanding of problems and mathematical reasoning in solving problems. Topics covered will include equations and inequalities, polynomial and rational functions, exponential and logarithmic function, and systems of equations and inequalities.

**Pre-Calculus B (4282)**

9-12

The second semester of Pre-Calculus focuses on the trigonometric and geometric techniques needed to prepare students for the study of calculus, and strengthens students' conceptual understanding of problems and mathematical reasoning in solving problems. Topics covered will include trigonometric functions of angles and of real numbers, analytic trigonometry and identities, and solving trigonometric equations.

**Calculus A (4283)**

11-12

(AP) Calculus I: First course in the college Calculus sequence. This class discusses real-valued functions of one real variable, limits, continuity, derivatives, integrals, and applications. Focus for the first semester is on functions, limits, continuity, and derivatives.

**Calculus B (4284)**

11-12

(AP) Calculus I: First course in the college Calculus sequence. This class discusses real-valued functions of one real variable, limits, continuity, derivatives, integrals, and applications. Focus for the second semester is on expanding knowledge of derivatives and rules, integration, the Fundamental Theorem of Calculus, and applications of derivatives and integrals.

**Statistics A (5374)**

11-12

Statistics is the science of drawing conclusions from data. In this class we will discuss real-world problems and how statistics offers solutions. We will also discuss how to avoid fallacious conclusions. Topics include describing patterns and departures from patterns, planning and conducting surveys and studies, anticipating patterns, estimating population parameters, and testing hypotheses.

**Statistics B (5375)**

11-12

Statistics is the science of drawing conclusions from data. In this class we will discuss real-world problems and how statistics offers solutions. We will also discuss how to avoid fallacious conclusions. Topics include describing patterns and departures from patterns, planning and conducting surveys and studies, anticipating patterns, estimating population parameters, and testing hypotheses.

## **Special Education**

### **9th-12th Fundamental Math A (5363), 7th-8th Fundamental Math A (5365)**

7-12

Basic knowledge of real-life mathematical situations for students on an Individualized Education Plan.

### **9th-12th Fundamental Math B (5364), 7th-8th Fundamental Math B (5366)**

7-12

Basic knowledge of real-life mathematical situations for students on an Individualized Education Plan.

### **9th-12th Fundamental Eng. A (3221), 7th-8th Fundamental Eng. A (2213)**

7-12

Foundational knowledge of English skills for students on an Individualized Education Plan.

### **9th-12th Fundamental Eng. B (3222), 7th-8th Fundamental Eng. B (2214)**

7-12

Foundational knowledge of English skills for students on an Individualized Education Plan.

### **Study Skills (4010), 7th-8th Study Skills (2810)**

7-12

A class for students on Individual Education Plans and/or 504 plans to help with organizational skills and provides extra time to receive assistance on the homework in the students' schedule.

## **Health and Physical Education**

### **9th-12th Health (3901)**

9-12

In this class students will understand core concepts of health and wellness and learn to shape their own health through an understanding of behaviors, goal-setting and planning. Idaho content standards of health education will be incorporated to address body systems and healthy body weight, disease prevention, and mental and emotional wellness. Students will be exposed to critical thinking skills and decision-making regarding healthy living. Emphasis on nutrition and physical activity will be reinforced as well as stress management techniques and building healthy relationships. The class materials will encourage healthiest choices regarding injury prevention and avoidance of destructive habits. Safety and First Aid, overcoming barriers for a better environment and community health and advocacy will help prepare students for a lifetime of wellness.

### **Fitness Activities 9-12 (5372), 7th-8th Lifetime Sports (4924)**

7-12

Secondary School PE is designed to introduce students to a variety of movement opportunities and to develop an understanding of the importance of a healthy lifestyle.

Activities will encompass many basic skills with various equipment and is designed to incorporate learning about health concepts and components of physical fitness. Limited sports will be taught. Skill development and participation will be a portion of grading along with tests of written rules and etiquette. Students will learn about their own level of fitness through the Presidential Youth Fitness Program Fitnessgram pre- and post- testing. Worksheets, logs and projects will be used to aid students in goalsetting and improving or maintaining healthy fitness zones. Class activities and outside opportunities should help students develop their personal fitness plan. Students will be trained to wear uploadable pedometers and log their daily activities to document participation.

Grading will be aligned with Idaho PE Content Standards which include demonstrating mature movement patterns using appropriate tactics and strategies, understanding of concepts and principles related to a variety of movement and physical activities, use of knowledge and skills to achieve and maintain a health-enhancing level of fitness, exhibit responsible personal a social behavior that respects self and others in physical activity settings, and participation in daily activities that demonstrate the individuals' recognition in value of a physically active lifestyle.

Students are required to dress down for PE and should have athletic shoes and appropriate clothing for movement. In moderate weather they should have clothes that are layered for indoor or outdoor participation.

## **Technology**

### **Intro to Technology II (1713)**

7

Students completing this course will be familiar with all typical computer aspects and be able to utilize a document producing application for use in their other courses. They will be introduced to the historical and current computer types that are being used today. Students will learn to use the Internet ethically and how to be a good "Net" user. Once they have learned to be good Internet citizens, they will learn how to access the Internet and utilize browsers, and email. Students will also learn about cutting edge technology and how it will affect their life in the future. This will include use of digital media, phone technology. Students will be exposed to digital media design and how to incorporate it into their regular curriculum. Students will create several presentations for some of their other courses.

### **Digital Productions/Publications A (4902)**

9-12

Students will work to create the yearbook for Xavier Charter School. Students will learn all aspects of design and composition and creating a unified theme for the overall book. Taking photos, editing photos, creating backgrounds as well as working with different styles of text will help the student learn various forms of composition. Student's writing and spelling skills will be tested as this published book must be error free and accurate. Students will be expected to keep deadlines and meet all proof dates for the publisher.

### **Digital Productions/Publications B (4903)**

9-12

Students will work to create the yearbook for Xavier Charter School. Students will learn all aspects of design and composition and creating a unified theme for the overall book. Taking photos, editing photos, creating backgrounds as well as working with different styles of text will help the student learn various forms of composition. Student's writing and spelling skills will be tested as this published book must be error free and accurate. Students will be expected to keep deadlines and meet all proof dates for the publisher.

### **8th Digital Productions A (4932)**

8

Students will work to create the yearbook for Xavier Charter School. Students will learn all aspects of design and composition and creating a unified theme for the overall book. Taking photos, editing photos, creating backgrounds as well as working with different styles of text will help the student learn various forms of composition. Student's writing and spelling skills will be tested as this published book must be error free and accurate. Students will be expected to keep deadlines and meet all proof dates for the publisher.

## **8th Digital Productions B (4933)**

8

Students will work to create the yearbook for Xavier Charter School. Students will learn all aspects of design and composition and creating a unified theme for the overall book. Taking photos, editing photos, creating backgrounds as well as working with different styles of text will help the student learn various forms of composition. Student's writing and spelling skills will be tested as this published book must be error free and accurate. Students will be expected to keep deadlines and meet all proof dates for the publisher.

## **Art**

### **Specialty Art (2612)**

9-12

Students pursue areas of interest in their making of artful objects. This is the first priority.

Students distill knowledge from these concepts through designing and making with a variety of materials:

- The difference between art and craft, formally and some historical notes
- Principles and elements of art & design
- Art appreciation: Describing, Analyzing, Interpreting and Judging art
- Timeline overview
- A general awareness of 1-8 separate disciplines of artful object expression
- Opportunities to showcase and portfolio building
- Viewing art sessions

Materials include, but are not limited to:

- Paints
- Dry media for drawing techniques
- Sculptural media: some clay (limited), plaster, wood, some metal (limited), cardboard constructions, surfacing media, pastel and mixed media works.

Class structure: students are required to take an art course. Students are expected to be engaged in the course, but aid is offered through classical conversation. Students need to be willing to work on techniques they are familiar with and also, be teachable and willing to learn new techniques as they observe others around them and respond to what is happening around them. Course may be repeated for opportunity to build and study in depth in a student's interest.

### **Printmaking (5348), 7th-8th Printmaking (5361)**

7-12

Printmaking is a historical discipline of duplicating an image, multiple times, from a variety of different methods plate making methods.

In this avenue of study students will experience methods of making image carrying plates, that can be inked and printed onto paper, or fabric.

Some methods included are:

Chop mark making, relief printing (the upper surface), Intaglio printing (the lower surface), nature printing, found object printing, Collagraphy, Serigraphy, block printing, linocutting, some photo-etching techniques and etching.

As the student progresses in skill and knowledge about the subject, there is opportunity for advancement and in depth projects. Semester may be repeated and a more focused approach can be made by the student. The course an in depth exploratory and classically based series of exercises and is meant to introduce historical printmaking techniques that have led to the written word and imaginative image being placed in everyman's hand.

## **7th-8th Intro to Design (5362)**

7-8

Design is an intuitive and tangible process for bringing together an idea with a laconic way of delivering that idea to produce a move to action.

This course is meant to be taken one semester during either the 7<sup>th</sup> grade year, or the 8<sup>th</sup> grade year, but does not have to be done in both years, unless the student chooses to repeat the course.

Students learn basics of layout, typography, guidelines of design, spatial arrangements and the movement within, decision making, working with a client to solve problems to concepts and communication via many media in the arts. In both 2D and 3D methods. The history of design is part of the program in a very basic way at first and then becomes more involved as the student gains an understanding of what it is they want to communicate. The premise “Less is more” is foundational to this discipline. Also, the Bauhaus is studied to give some background to where the idea of design originated in the twentieth century. Computers are not an emphasis as this time. Instead, students learn a manual way of layout and delivery. They practice simple tasks like gluing and cutting and painting. One large topic of conversation that usually comes up is “what is the difference between art and design?”

Vast are the ways in which design functions in our day to day world and so it is important to be aware of how our world works and why messages, products and methods need to be done in a clear and organized way.

## **9-12 Photography (4919), 7th-8th Photography (5302)**

7-12

This course is designed to be 7-12 and can be repeated one time when the student gets older. It fulfills an art elective.

In the photography course students try their hand at a few different ways of image making via the camera. Students develop a glossary of vocabulary terms, pertaining this vast field, a history of the camera and photographers who have shaped our world with it. They also learn the functions of a camera and how the different parts all work together to produce an image.

Beyond this, students take pictures. They should be continuously shooting their cameras. They develop an online gallery of their work so that their efforts remain archived. They work together to problem solve assignments. They must fulfill a criterion that proves understanding of core concepts in composition and light manipulation.

Currently, this is an intro level class. Even if students have some experience with a camera, this class takes them deeper into sharpening what they have already learned.

Currently, access to a computer is vital. A student must have an Edmodo.com account and a Pinterest account. Parents are encouraged to set up a safe plan with their student who is required to upload images they photograph to share with the class and be viewed online. If this is a deterrent for you, photography may not be the best class to participate in.

### **9th-12th Independent Art (3236)**

9-12

This avenue is offered on a limited basis only. For 11<sup>th</sup> or 12<sup>th</sup> graders who are interested in art as a discipline.

This avenue allows developing students to really focus on a skill and more fully understand it's potential.

The independent study avenue can be used for developing artistic work for the Senior Masterpiece, but is not limited to that.

It requires discipline, patience and a focus on a contribution of craft to fulfill the personal learning objectives.

### **8th Intro to Visual Arts II (4918)**

8

Need course description

### **7th Intro to Visual Arts (4923)**

7

Students will develop an understanding of terms, ideas, techniques, and practices of art that are widely considered to be the foundational skills and concepts of Western Civilization, and create projects based on these. Students will spend a strong amount of time developing ***drawing, painting, and sculpting skills*** necessary to be successful in upper division arts classes.

Emphasis on craftsmanship, creative exploration, problem solving, and time on task are the factors in project assessment.

### **7th-8th Principles & Elements of Art (5349)**

7-8

Here students have an opportunity to pursue personal artistic goals, develop abilities in a chosen method and/or materials, or help to create props and artwork for various school activities (Such as Showcase, dances, Upper and Elementary gatherings) for the various grades. Students will also research and share their findings on artists, art movements, and works of art in a continued effort to help them "inform their art".

Class entry is by permission of instructor; it is for self motivated students that demonstrate a good work ethic and willingness to see their projects through to the best they can do.

Further experience with cutting/building tools is not necessary but helpful.

### **9-12 Intro to Visual Arts (5369)**

9-12

Need course description

## **Science Class Descriptions**

### **7th Grade Life Science A (2401)**

7

Upon completion of this course, the student will: be introduced to the lexicon (vocabulary), conceptual framework, tools/technology, and measurement system of science. Furthermore, this science course is specific to the life sciences, and will cover the concepts, theories, and classification system that pertain to living things. Topics will include: the nature of science and the characteristics of life, the metric system and experimental design, cells, genetics/heredity, human body systems, classification, and ecology.

### **7th Grade Life Science B (2402)**

7

Upon completion of this course, the student will: be introduced to the lexicon (vocabulary), conceptual framework, tools/technology, and measurement system of science. Furthermore, this science course is specific to the life sciences, and will cover the concepts, theories, and classification system that pertain to living things. Topics will include: the nature of science and the characteristics of life, the metric system and experimental design, cells, genetics/heredity, human body systems, classification, and ecology.

### **8th Grade Physical Science A (2403)**

8

Upon completion of this course, you will: Understand the scientific method, basic atomic structure and chemical bonding. You will have an understanding of mechanics, energy, and basic machines. Additionally, you will acquire the ability to conduct laboratory exercises and experiments and begin developing project management skills. There will be an emphasis on critical thinking, and the ability to clearly communicate scientific ideas and thoughts.

### **8th Grade Physical Science B (2404)**

8

Upon completion of this course, you will: Understand the scientific method, basic atomic structure and chemical bonding. You will have an understanding of mechanics, energy, and basic machines. Additionally, you will acquire the ability to conduct laboratory exercises and experiments and begin developing project management skills. There will be an emphasis on critical thinking, and the ability to clearly communicate scientific ideas and thoughts.

### **9th Environmental Science A (3414)**

9-12

Environmental Science is an interdisciplinary course (natural science, social science, & humanities) in which students will have the opportunity to reflect not only on the natural world and environmental issues, but how to address those issues in a sustainable way. Ultimately, humans are dependent on natural systems for water, food, air, shelter, and energy. Therefore, it is important that students work to: 1. develop more robust understandings of these systems, 2.

develop the ability to critically think about the issues that threaten these systems for future generations of humanity, and 3. engage in respectful, evidence-based argumentation that leads to productive solutions of the issues. Upon completion of this course, students will be able to: Use scientific principles, concepts, and methodologies to understand the interrelationships of the natural world; identify and analyze environmental problems, both natural and man-made; use a “systems-thinking” approach to evaluate the relative risks associated with environmental problems, while examining alternative solutions for resolving and/or preventing them.

### **9th Environmental Science B (3415)**

9-12

Environmental Science is an interdisciplinary course (natural science, social science, & humanities) in which students will have the opportunity to reflect not only on the natural world and environmental issues, but how to address those issues in a sustainable way. Ultimately, humans are dependent on natural systems for water, food, air, shelter, and energy. Therefore, it is important that students work to: 1. develop more robust understandings of these systems, 2. develop the ability to critically think about the issues that threaten these systems for future generations of humanity, and 3. engage in respectful, evidence-based argumentation that leads to productive solutions of the issues. Upon completion of this course, students will be able to: Use scientific principles, concepts, and methodologies to understand the interrelationships of the natural world; identify and analyze environmental problems, both natural and man-made; use a “systems-thinking” approach to evaluate the relative risks associated with environmental problems, while examining alternative solutions for resolving and/or preventing them.

### **Biology A (4401), Honors Biology A (4401H)**

10

Upon completion of this course, students will: understand the main topics, concepts, models, and theories that constitute our modern understanding of Biology. In short, this includes: the cellular nature of life, the ecological principles that sustain life, the molecular genetics that allow life to continue through generations, and the mechanisms that allow living things to respond and adapt to their environment.

### **Biology B (4402), Honors Biology B (4402H)**

10

Upon completion of this course, students will: understand the main topics, concepts, models, and theories that constitute our modern understanding of Biology. In short, this includes: the cellular nature of life, the ecological principles that sustain life, the molecular genetics that allow life to continue through generations, and the mechanisms that allow living things to respond and adapt to their environment.

### **Chemistry A (4403), Honors Chemistry A (4411)**

11-12

Upon completion of this course, you will: Understand the scientific method, atomic structure, chemical bonding, and the periodic table. You will have an understanding of chemical reactions,

and the behavior of gases, liquids, and solids. Additionally, you will refine your ability to conduct laboratory exercises and experiments, and further develop project management skills.

**Chemistry B (4404), Honors Chemistry B (4412)**

11-12

Upon completion of this course, you will: Understand the scientific method, atomic structure, chemical bonding, and the periodic table. You will have an understanding of chemical reactions, and the behavior of gases, liquids, and solids. Additionally, you will refine your ability to conduct laboratory exercises and experiments, and further develop project management skills.

**Physics A (4405), Honors Physics A (4405H)**

11-12

This course is designed to provide an overview of the basic topics of Physics including mechanics, heat, thermodynamics, sound, electromagnetic fields, and basic electrical circuitry. A combination of laboratory experimentation and mathematical problem solving will be used to predict and explore the actual behavior of various real world circumstances and events. Emphasis will be placed upon problem solving. For those taking the course for dual credit, the course expectations and grading will be done at the college level. For those not taking the course for dual credit, this course is a good introduction to and preparation for college level work.

**Physics B (4406), Honors Physics B (4406)**

11-12

This course is designed to provide an overview of the basic topics of Physics including mechanics, heat, thermodynamics, sound, electromagnetic fields, and basic electrical circuitry. A combination of laboratory experimentation and mathematical problem solving will be used to predict and explore the actual behavior of various real world circumstances and events. Emphasis will be placed upon problem solving. For those taking the course for dual credit, the course expectations and grading will be done at the college level. For those not taking the course for dual credit, this course is a good introduction to and preparation for college level work.

**Anatomy/Physiology A (4407), Honors Anatomy & Physiology A (4407)**

11-12

Upon completion of this course, students will: Have a knowledge base of the eleven biological systems of the human body, be able to identify major parts of said systems, know how the systems of the body relate and work together to create an organism, understand basic medical terminology as it is related to the human body.

**Anatomy/Physiology B (4408), Honors Anatomy & Physiology B (4408H)**

11-12

Upon completion of this course, students will: Have a knowledge base of the eleven biological systems of the human body, be able to identify major parts of said systems, know how the

systems of the body relate and work together to create an organism, understand basic medical terminology as it is related to the human body.

**Earth Science A (5339)**

9

Upon completion of this course, you will: Understand the earth and its place in the universe. You will have an understanding of rocks, minerals, the planets, the earth's surface and geologic time.

**Earth Science B (5340)**

9

Upon completion of this course, you will: Understand the earth and its place in the universe. You will have an understanding of rocks, minerals, the planets, the earth's surface and geologic time.

**7th-8th Armonia Choir (2617)**

7-8

Need course description

**Concert Choir (2622)**

Need decision on whether this course is even being offered.

**7th-8th Band A (2628)**

7-8

Need course description

**7th-8th Band B (2629)**

7-8

Need course description

**7th-8th Theater Productions (2638)**

7-8

Theatre Productions is designed for students to either build upon their prior knowledge of acting, and collaboration techniques or to create a foundation of those skills. This is a performance course in which the students are required to speak in front of an audience, act in scenes, work in groups, work independently, and be in charge of a group of students in some units. Students are encouraged to be creative in a safe and supportive environment. This course is equally balanced between high-energy movement and quiet work either reading, listening, or watching. The class will perform a musical at the end of the semester.

**7th-8th General Dance (2648)**

7-8

Need course description

**9th-12th Creative Writing (3205)**

9-12

Creative writing is an elective course that focuses on the main elements of both short stories and poetry. A variety of genres and formats are studied and then imitated. Students contribute a section of final, original works for a class book which is then published.

**9th-12th Speech (3209)**

9

Need course description

**9th-12th Sr. Eclatante Choir A (3617)**

9-12

Need course description

**9th-12th Sr. Eclatante Choir B (3618)**

9-12

Need course description

**9th-12th Theater Productions A (5347)**

9-12

Theatre Productions is designed for students to either build upon their prior knowledge of acting, and collaboration techniques or to create a foundation of those skills. This class will focus on competing in the Idaho District Drama Competition. Students will compete independently or as part of an ensemble group. This course includes an introduction to the technical elements of theatrical production (e.g. sets, lights, costumes, and sound) and their relation to each other.

**9th-12th Theater Productions B (3621)**

This is a performance course in which the students will produce and perform a full length musical. Students will be required to speak in front of an audience, act in scenes, work in groups, work independently, and be in charge of a group of students in some units. Each student will develop a greater appreciation for the aesthetics of the dramatic arts, and criteria of an effective performance, and awareness of the historical influences and contributions of the theater.

**Sr. Company Dance A (3629)**

9-12

Need course description

**Sr. Company Dance B (3630)**

9-12

Need course description

**Ballet A (3633)**

9-12

Need course description

**Honors Ballet (3633H)**

9-12

Need course description

**9th-12th Ballroom Dance (3647)**

9-12

Need course description

**Contemporary Dance (3653)**

9-12

Need course description

**Honors Contemporary Dance (3653H)**

9-12

Need course description

Need decision on whether this course is even being offered.

**Tap Dance (3661)**

9-12

Need course description

**Honors Tap (3661)**

9-12

Need course description

Need decision on whether this course is even being offered.

**Honors Economics (4163H)**

Need decision on whether this course is even being offered.

**Senior Classical Compendium (4905)**

11

Need course description

**7th-8th Intermediate Band A (5306)**

7-8

Need course description

**7th-8th Intermediate Band B (5307)**

7-8

Need course description

**9th-12th Intermediate Band A (5308)**

9-12

Need course description

**9th-12th Intermediate Band B (5309)**

9-12

Need course description

**7-8 Math Lab A (5327)**

7-8

Need course description

Need decision on whether this course is even being offered.

**7-8 Math Lab B (5328)**

7-8

Need course description

Need decision on whether this course is even being offered.

**9-12 Math Lab A (5329)**

9-12

Need course description

**9-12 Math Lab B (5330)**

9-12

Need course description

**Classical Dance (5343)**

9-12

Need course description

**Advanced Band A (5345)**

9-12

Need course description

**Advanced Band B (5346)**

9-12

Need course description

**College Algebra A (5357)**

Need decision on whether this course is even being offered.

**College Algebra B (5358)**

Need decision on whether this course is even being offered.

**Political Novel: Dystopia (5360)**

9-12

Political Novel is an elective course and a survey of politically oriented fiction and non-fiction. Texts are rotated on an annual thematic interval. Themes include dystopian literature, leadership, the quest for peace and justice, environmental stewardship, and power and politics in the 21st century. This class is homework free other than reading. Small quizzes are occasionally given and an essay is written, typically in class, at the end of every book that we read. We typically read 6-8 books a semester and spend the overwhelming majority of our time conversing over the works we have read. If you love to read and discuss controversial and enlightening political works this would be a great class for you.

**Concert Choir (5373)**

9-12

Need course description