

# **Virtual Instruction By Excellence (VIBE)**

**2018-2019**  
(9<sup>th</sup>-12<sup>th</sup> Grade)

## **REGISTRATION GUIDE**



# VIBE Student Registration Guide 2018-19

## Student Services Staff

[Barry Fischer](#), Alternative Learning Principal  
[Andrea Derynck](#), Online Learning Manager  
[Jami Wahl](#), Counselor

### Registration

The registration process is one of the most significant tasks that allow a student and parents to have a major impact on his/her future. Proper course selections can greatly enhance the likelihood of future opportunity and success. The registration process also creates a picture for the district as to staffing needs and the construction of the master schedule.

### The VIBE Comprehensive Curriculum

ISD #518 believes in the importance of providing comprehensive and diverse educational opportunities to its clients. Virtual Instruction By Excellence (VIBE) offers excellent variety in its course offerings and programs including several honors, vocational, technological, world languages, and elective classes. Many of these courses are designed to meet the diverse needs of students across a broad range of abilities, interests and post-high school aspirations.

### Daily Schedule/Expectations

**To ensure student success, VIBE has the following expectations of our students:**

- o Work on each course a minimum of **one hour** each school day and keep pace with course work. Students may find they need to put in more time for some courses to complete by the end date.
- o Refrain from emailing or posting inappropriate comments.
- o Communicate with teacher(s) frequently with questions or concerns.
- o Possess a working computer with a reliable internet connection.
- o Follow all other rules, code of conduct, and policies as outlined in the ISD 518 Student Handbook.
- o Report medical absences or other absences to [Barry Fischer](#) (507)372-1605.

**Consequences for not following the above expectations include:**

- o Students not meeting attendance and course requirements will be reported for truancy.
- o Failure to comply with these policies can result in courses being put on hold.
- o Failure to comply with these policies can result in being dropped from VIBE.

**Each parent(s)/guardian(s) and student sign the VIBE expectation agreement to show that they understand the VIBE expectations and in the ISD 518 student handbook.**

## Credits and Course Length

Each full block class earns a half credit in a term (quarter). Traditional one credit, year-long courses, such as biology, algebra or US history, are two terms (semester) in length. In other words, due to the extended 90 minute class periods of the block schedule, a traditional yearlong class is completed in half of a school year. Students that earn credit in all their courses will earn 8 credits in a school year. In a situation that credit recovery is needed the alternative learning principal may approve student to take an additional class each term if they are making progress towards graduation. Thirty total credits are required to graduate.

## Schedule Changes

Students should make their best effort to accurately choose their classes during the original registration process as if they may not be able to make any changes at a later date. Schedule changes may be possible only if the rationale fits the criteria listed below and the change is requested **prior to the third day of the quarter** (of the class in question). Approval of a class change may occur if there is **space available in the class being requested AND one of the following reasons exists:**

- A prerequisite course was not taken or wasn't passed
- The student is misplaced based on information that reveals a discrepancy between the course rigor and the student's ability
- The desired new course is a required class of the grade level of the student requesting the change
- Physical, mental health or other medical concern, verified by physician's note, support the change
- Post-Secondary Enrollment Options Program require the adjustment
- There is an error on the schedule
- A significant change has occurred with the student's future plan dictate course adjustments

**Students dropping courses after the first two days of a term will receive a grade of "F" if failing, or an N/C if passing in the course that is dropped (unless extenuating circumstances dictate otherwise as determined by the principal).**

## Terminology and Definitions

- **a & b, 1 & 2:** a and b represent the first and second quarters of a semester one credit class that are taken in sequence - i.e., Biology a & b, Geometry a & b; this differs from courses signified by 1 & 2 which designate courses that represent different levels of a course - i.e. Spanish 1, Spanish 2, etc.- however course one is a prerequisite for taking course number two, etc.
- **Block (period):** A block is the equivalent of a period and lasts 90 minutes on a regular schedule. There are 4 blocks (periods) in a day.
- **Elective course:** A course students can choose to take to fulfill total credit graduation requirements.
- **Prerequisite:** A course that students must pass before registering for a higher level course.
- **PSEO (Post-Secondary Enrollment Option)** A Minnesota school choice opportunity that allows high school juniors or seniors to earn simultaneous credits in high school and a Minnesota college.
- **Required course:** A course that regular education students must pass in order to graduate from Virtual Instruction By Excellence
- **Semester:** A semester is 1/2 of the school year or two terms (approximately 18 weeks).
- **Term (quarter):** A term is 1/4<sup>th</sup> of the school year or a quarter. It is approximately 45 days or 9 weeks in length.

## VIBE GRADUATION REQUIREMENTS 2018-2021

	2019	2020	2021	2022
Arts (music, visual arts, media, theatre)	1 credit	1 credit	1 credit	1 credit
English/ Communications	4 Credits .5 Fresh Composition .5 Fresh Literature .5 Soph Comm & Comp .5 Soph Literature .5 Amer Authors A <b>OR</b> .5 Amer Authors Hnrs. A .5 Amer Authors B <b>OR</b> .5 Amer Authors Hnrs. B 1 Elective	4 Credits .5 Fresh Composition .5 Fresh Literature .5 Soph Comm & Comp .5 Soph Literature .5 Amer Authors A <b>OR</b> .5 Amer Authors Hnrs. A .5 Amer Authors B <b>OR</b> .5 Amer Authors Hnrs. B 1 Elective	4 Credits .5 Fresh Composition .5 Fresh Literature .5 Soph Comm & Comp .5 Soph Literature .5 Amer Authors A <b>OR</b> .5 Amer Authors Hnrs. A .5 Amer Authors B <b>OR</b> .5 Amer Authors Hnrs. B 1 Elective	4 Credits .5 Fresh Composition .5 Fresh Literature .5 Soph Comm & Comp .5 Soph Literature .5 Amer Authors A <b>OR</b> .5 Amer Authors Hnrs. A .5 Amer Authors B <b>OR</b> .5 Amer Authors Hnrs. B 1 Elective
Mathematics	4 Credits 1 Concepts of Algebra I <b>OR</b> 1 Algebra A & B 1 Geometry A & B 1 Algebra 2 A & B And 1 of the following 1 Algebra 3 A & B 1 Applied Math A & B 1 AP Statistics A & B	4 Credits 1 Concepts of Algebra I <b>OR</b> 1 Algebra A & B 1 Geometry A & B 1 Algebra 2 A & B And 1 of the following 1 Algebra 3 A & B 1 Applied Math A & B 1 AP Statistics A & B	4 Credits 1 Concepts of Algebra I <b>OR</b> 1 Algebra A & B 1 Geometry A & B 1 Algebra 2 A & B And 1 of the following 1 Algebra 3 A & B 1 Applied Math A & B 1 AP Statistics A & B	4 Credits 1 Concepts of Algebra I <b>OR</b> 1 Algebra A & B 1 Geometry A & B 1 Algebra 2 A & B And 1 of the following 1 Algebra 3 A & B 1 Applied Math A & B 1 AP Statistics A & B
Science	3 Credits 1 Physical Science 1 Biology 1 Physics <b>OR</b> Chemistry	3 Credits 1 Physical Science 1 Biology 1 Physics <b>OR</b> Chemistry	3 Credits 1 Physical Science 1 Biology 1 Physics <b>OR</b> Chemistry	3 Credits 1 Physical Science 1 Biology 1 Physics <b>OR</b> Chemistry
Social Studies	3.5 Credits .5 Geography <b>OR</b> 1 AP Human Geo A & B 1 World History A & B <b>OR</b> 1 AP World History A & B 1 US History A & B <b>OR</b> 1.5 AP US History A, B, C .5 Economics .5 Am Government	3.5 Credits .5 Geography <b>OR</b> 1 AP Human Geo A & B 1 World History A & B <b>OR</b> 1 AP World History A & B 1 US History A & B <b>OR</b> 1.5 AP US History A, B, C .5 Economics .5 Am Government	3.5 Credits .5 Geography <b>OR</b> 1 AP Human Geo A & B 1 World History A & B <b>OR</b> 1 AP World History A & B 1 US History A & B <b>OR</b> 1.5 AP US History A, B, C .5 Economics .5 Am Government	3.5 Credits .5 Geography <b>OR</b> 1 AP Human Geo A & B 1 World History A & B <b>OR</b> 1 AP World History A & B 1 US History A & B <b>OR</b> 1.5 AP US History A, B, C .5 Economics .5 Am Government
Careers/Freshman Seminar	.5 Credit	.5 Credit	.5 Credit	.5 Credit
Intro to Computer Applications	.5 Credit	.5 Credit	.5 Credit	.5 Credit
Phy Ed	1 Credit .5 Intro to Phy Ed .5 Phy Ed elective	1 Credit .5 Intro to Phy Ed .5 Phy Ed elective	1 Credit .5 Intro to Phy Ed .5 Phy Ed elective	1 Credit .5 Intro to Phy Ed .5 Phy Ed elective
Fresh Seminar-Health	.5 Credit	.5 Credit	.5 Credit	.5 Credit
Health 10	.5 Credit	.5 Credit	.5 Credit	.5 Credit
Total Credits	18.5 Required Credits 11.5 Elective Credits 30 Credits for Graduation	18.5 Required Credits 11.5 Elective Credits 30 Credits for Graduation	18.5 Required Credits 11.5 Elective Credits 30 Credits for Graduation	18.5 Required Credits 11.5 Elective Credits 30 Credits for Graduation
State Tests	MCA-II Math (11) MCA-II Reading (10)	MCA-II Math (11) MCA-II Reading (10)	MCA-II Math (11) MCA-II Reading (10)	MCA-II Math (11) MCA-II Reading (10)

**NOTE:** Students must have **completed Intro to Art** before taking any other Art courses, and cannot be taken simultaneously with another art class in any given term.

**INTRO TO ART**

**VIBE Equivalent: Fine Art a**

**One Term      Grades 9,10,11,12      Elective**

**Prerequisite for ALL other Art Courses except by special permission from the alternative learning principal.**

This beginning art course places an emphasis on the elements of art and the principles of design using a variety of media and techniques. The students will learn how to create art, along with how to analyze, interpret, and discuss art. This course includes an introduction to the historical and social backgrounds of selected artworks.

**FINE ART b**

**One Term      Grades 9, 10, 11, 12      Elective      VIBE Only**

**Prerequisite: Fine Art a**

This course combines art history, appreciation, and analysis, while engaging students in hands-on creative projects. Lessons introduce major periods and movements in art history while focusing on masterworks and the intellectual, technical, and creative processes behind those works. Studio lessons provide opportunities for drawing, painting, sculpting, and other creative endeavors.

**DIGITAL PHOTOGRAPHY 1**

**VIBE Equivalent: Digital Photography**

**One Term      Grades 10, 11, 12      Elective**

**Prerequisite: Intro to Art**

**A personal camera is recommended so students can master their own camera functions.**

Students will learn how to use a digital camera to take better photographs. Photo assignments may include portraits, landscapes, architecture, pets, close ups, etc. With each assignment you will gain more control over pictorial composition and the bells and whistles on your camera. You will learn how to digitally enhance the quality of your photographs using Adobe Photoshop.

**ACCOUNTING 1 a & b****VIBE Equivalent: General Accounting 1 & 2****Two Terms      Grades 10, 11, 12      Elective**

Students will be introduced to one of the fastest-growing professions in the United States. Students will also study accounting vocabulary, the relationship between accounting and business, and the accounting cycle for service and merchandise business. All work is completed online.

**INTRODUCTION TO ENTREPRENEURSHIP 1****VIBE Only****One Term      Grades 9,10,11,12      Elective**

In this introductory business course, students learn the basics of planning and launching their own successful business. Whether they want to start their own money-making business or create a non-profit to help others, this course helps students develop the core skills they need to be successful. They learn how to come up with new business ideas, attract investors, market their business, and manage expenses. Students hear inspirational stories of teen entrepreneurs who have turned their ideas into reality, and then they plan and execute their own business.

**INTRODUCTION TO ENTREPRENEURSHIP 2****VIBE Only****One Term      Grades 9,10,11,12      Elective****Prerequisites: Introduction to Entrepreneurship 1 (or equivalent)**

Students build on the business concepts they learned in Introduction to Entrepreneurship 1. They learn about sales methods, financing and credit, accounting, pricing, and government regulations. They refine their technology and communication skills in speaking, writing, networking, negotiating, and listening. They enhance their employability skills by preparing job-related documents, developing interviewing skills, and learning about hiring, firing, and managing employees. Students develop a complete business plan and a presentation for potential investors.

**MARKETING 1****VIBE Only****One Term      Grades 9,10,11,12      Elective**

Students find out what it takes to market a product or service in today's fast-paced business environment. They learn the fundamentals of marketing using real-world business examples. They learn about buyer behavior, marketing research principles, demand analysis, distribution, financing, pricing, and product management.

**MARKETING 2****VIBE Only****One Term      Grades 9,10,11,12      Elective****Prerequisites: Introduction to Marketing 1 (or equivalent)**

Students build on the skills and concepts learned in Introduction to Marketing 1 to develop a basic understanding of marketing principles and techniques. By the end of the course, they will have developed their own comprehensive marketing plan for a new business.

**FRESHMAN COMPOSITION****VIBE Equivalent: Grammar and Composition a****One Term      Grade 9      Required**

Students will focus on improving their writing skills. Freshman Composition will focus on the Six-Plus-One Writing Traits, advanced grammar, crafted sentences, well-developed multi-paragraph compositions, and creative writing projects. Literature will be read and used as models for student writing. This class is preparation for the MN State Writing Test in 9<sup>th</sup> grade.

**FRESHMAN LITERATURE****VIBE Equivalent: English 9a or 9b****One Term      Grade 9      Required**

This course includes the study of short stories, non-fiction, *Romeo and Juliet*, and *To Kill a Mockingbird*. Literature will be read more independently, with emphasis on understanding, appreciating, and analyzing the literature. Students will review literary terms, vocabulary, and good writing traits. Students will respond to the literature with writing, research, and projects.

**SOPHOMORE COMPOSITION/LITERATURE****VIBE Equivalent: English 10a****One Term      Grade 10      Required**

Sophomore Comp/Lit is a study of the elements of fiction in short stories and nonfiction: autobiography, history, essay and narrative. The novel read is *Of Mice & Men*. Students will write in response to the literature using MLA format, demonstrating expository and creative writing.

**SOPHOMORE COMMUNICATIONS****VIBE Equivalent: English 10b****One Term      Grade 10      Required**

This course includes preparing and delivering speeches, interpersonal communications, and related topics. Shakespeare's *Hamlet* will be read and studied.

**AMERICAN AUTHORS a****VIBE Equivalent: American Literature a****One Term      Grade 11      Required**

This is a survey course and will cover significant authors from the 19<sup>th</sup> century to the early 20<sup>th</sup> century in American literature and culture. Short fiction, essays, and poetry will be covered. Writing will focus on responses to literature and a review of grammar.

**AMERICAN AUTHORS b****VIBE Equivalent: American Literature b****One Term      Grade 11      Required**

This is a survey course and will cover significant authors from the early 20<sup>th</sup> century to the present. Short fiction, essays, the novel, drama, and poetry will be covered. Writing will focus on responses to literature. Students will complete a critical response to a longer piece of literature.

**CREATIVE WRITING a & b****VIBE Equivalent: Creative Writing a & b****Two Terms      Grades 10, 11, 12      Elective**

This course is designed to allow students to experience all kinds of writing. The setting is a workshop in which the student and teacher work together to enhance individual writing skills. Strong focus will be placed on idea development, vocabulary, syntax, and organization. Assignments will include the following: a personal reminiscence, poetry, contest writing, a holiday letter, persuasive writing, and thematic novel writing. A literary magazine will be created using student work; in addition, students will be encouraged to submit their work for publication.

**JOURNALISM****VIBE Only****One Term      Grades 10, 11, 12      Elective**

Students are introduced to the historical importance of journalism in America. They study the basic principles of print and online journalism as they examine the role of printed news media in our society. They learn investigative skills, responsible reporting, and journalistic writing techniques as they read, respond to, and write their own news and feature articles. Students conduct interviews, research, write, and design their own publications.

**PUBLIC SPEAKING****VIBE Only**

**One Term      Grades 10, 11, 12      Elective**

Students are introduced to public speaking as an important component of their academic, work, and social lives. They study public speaking occasions and develop skills as fair and critical listeners, or consumers, of spoken information and persuasion. Students study types of speeches (informative, persuasive, dramatic, and special occasion), read and listen to models of speeches, and prepare and present their own speeches to diverse audiences. Students learn to choose speaking topics and adapt them for specific audiences, to research and support their ideas, and to benefit from listener feedback. They study how to incorporate well-designed visual and multimedia aids in presentations and how to maintain a credible presence in the digital world. Students also learn about the ethics of public speaking and about techniques for managing communication anxiety.

**BRITISH AND WORLD LITERATURE a & b**

**VIBE Only**

**Two Terms      Grades 10, 11, 12      Elective**

**Prerequisites: American Literature or equivalent**

British and World Literature is a genre-based course in which students sharpen their reading comprehension skills and analyze important themes in classic and modern works of British and world literature, including short stories, poetry, drama, and novels. Students refine their skills of written expression by writing narrative essays, persuasive essays, research papers, workplace documentation, and more. They develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests.

Literature: Students read short stories, poetry, drama, and novels, sharpening their reading comprehension skills and analyzing important themes.

Language Skills: Students continue to work on their oral and written expression skills, writing a variety of essays including expository, persuasive, and research essays, and workplace documentation. Students plan, organize, and revise their essays in response to feedback.

**ENGLISH FOUNDATIONS 1 a & b (Remediation)**

**VIBE Only**

**Two Terms      Grades 9,10, 11, 12      Elective**

**Prerequisites: Teacher/school counselor recommendation**

Students build and reinforce foundational reading, writing, and basic academic skills needed for success in high school. Through carefully paced, guided instruction, and graduated reading levels, students improve reading comprehension and strategies, focusing on literacy development at the critical stage between decoding and making meaning from text. Instruction and practice in writing skills help students develop their composition skills in a variety of formats. If needed, students can continue their remediation of reading and writing skills with English Foundations 2.

**ENGLISH FOUNDATIONS 2 a & b (Remediation)**

**VIBE Only**

**Two Terms      Grades 9,10, 11, 12      Elective**

**Prerequisites: Teacher/school counselor recommendation; English Foundations 1 is not required**

Students build and reinforce foundational reading, writing, and basic academic skills needed for success in high school.

Struggling readers develop mastery in reading comprehension, vocabulary building, study skills, and media literacy. Students build confidence in writing fundamentals by focusing on composition in a variety of formats, grammar, style, and media literacy.



**INTRODUCTION TO COMPUTER APPLICATIONS****VIBE Equivalent: Computer Fundamentals a****One Term      Grade 9      Required****Prerequisite: Previous Computer Experience w/20 WAM**

The student will learn/improve keyboarding skills, use the computer to prepare MLA Report Style, formal personal/business letters, and many other fun desktop publishing documents. In this course they will discover many features of Microsoft Office Suite. They will focus on Word, and begin the exploration of PowerPoint (presentations) and Excel (spreadsheets). Knowledge and use of Microsoft Office Suite is an expected skill in today's workplace.

**COMPUTER FUNDAMENTALS b****VIBE Only****One Term      Grade 9      Elective****Prerequisite: Computer Fundamentals a**

Students become familiar with the basic principles of a personal computer, including the internal hardware, the operating system, and software applications. Students practice using key applications such as word processors, spreadsheets, and presentation software, and examine social and ethical issues around the Internet, information, and security.

**COMPUTER LITERACY****VIBE Only****One Term      Grades 9, 10, 11, 12      Elective**

Students must be able to use technology effectively to research, organize, create, and evaluate information. In this introductory course, students become familiar with the basic principles of a personal computer, including the internal hardware, operating system, and software applications. Students practice using key applications such as word processing, spreadsheet and presentation software, and examine social and ethical issues around the Internet, information, and security. In the first part of the course, the focus is on the fundamentals: learning and using applications, and understanding the basic roles and responsibilities of the software, hardware, and operating system. The second part of the course focuses on gathering and analyzing data, and using the right tools and methods to collect and present data. This course should not be taken if the student has already completed Computer Fundamentals.

**COMPUTER SCIENCE****VIBE Only****One Term      Grades 9, 10, 11, 12      Elective**

This course introduces students to computer science concepts such as computer architecture, networks, and the Internet. Students use object-oriented programming, event-driven processes, modular computer programming, and data manipulation algorithms to produce finished software programs. They use the design process to create many programs by determining specifications, designing the software, and testing and improving the product until it meets the specifications. By the end of this course, students will have a solid foundation for further study in this subject.

**IMAGE DESIGN AND EDITING****VIBE Only****One Term      Grades 9, 10, 11, 12      Elective**

This introductory design course is for students who want to create compelling, professional looking graphic designs and photos. Students learn the basics of composition, color, and layout through the use of hands-on projects that allow them to use their creativity while developing important foundational skills. They use GIMP software to create a graphic design portfolio with a wide variety of projects involving the mastery of technical topics, such as working with layers and masks, adding special effects, and effectively using typefaces to create visual impact. The projects help students develop the skills they need to create and edit images of their own.

**WEBSITE DESIGN****VIBE Equivalent: Web Design****One Term      Grades 10, 11, 12      Elective**

Students will create fully functioning websites using today's popular website design software: Adobe Dreamweaver CS6, Adobe Fireworks CS6, and Adobe Flash Professional CS6. Students will also use web based software like "Weebly" to learn the fundamentals of what information should be shared on a website. Competencies learned in this course will be extremely helpful in preparation for work and college.

**4 Math credits are required to graduate. All students must have STATISTICS instruction via Applied Math, Algebra 3, or AP Statistics course.**

**CONCEPTS OF ALGEBRA 1 a & b**

**VIBE Equivalent: Pre-Algebra a & b**

**Two Terms      Grades 9, 10, 11      Elective**

**\*Required for incoming HS students not recommended for Algebra or Geometry**

This course is designed for students who need remediation in the fundamentals of math as they enter the high school. The course will have specific units involving measurement, fractions, numeric and variable expressions, equalities and inequalities, and applications of equations involving percent. **This course will receive HS elective credit but not HS math credit.**

**CONCEPTS OF ALGEBRA 1 c & d**

**VIBE Equivalent: Algebra 1 a & b**

**Two Terms      Grades 9, 10, 11**

**Prerequisite: Passed Concepts of Algebra 1a & b**

This course is designed to further expose students in the area of algebra in a way that provides logical connections and practical application. This course is designed to build on the Concepts of Algebra 1a & b coursework and will really focus on developing and using algebraic understandings. There will be extensive work writing and evaluating algebraic expressions as well as writing and solving algebraic equations and inequalities. Writing and graphing linear equations, setting up and solving systems of equations and working with polynomials will also be a strong focus of the course. **This course will receive HS math credit.**

**CONCEPTS OF GEOMETRY a & b**

**VIBE Equivalent: Geometry a & b**

**Two Terms      Grades 10, 11, 12**

**Prerequisite: Passed Concepts of Algebra 1**

This course will emphasize principles of geometry including geometric reasoning, measurement, plane and 3-d space figures and similarity of figures. The student will matriculate from basic geometric concepts of points, lines and planes to area figures and their various properties. Triangle congruence theorems, angle and side postulates along with properties of parallel lines will be a focus. The course will also include units of measurement of volume and surface areas of right solids. Statements of logic and proof will be an ongoing component of the course.

**CONCEPTS OF ALGEBRA 2 a & b**

**VIBE Equivalent: Algebra 2 a & b**

**Two Terms      Grades 11, 12**

**Prerequisite: Completion of Concepts of Geometry or Geometry**

The beginning of this course will review the fundamental teachings of algebra 1 including the language of math, simplifying expressions, solving equations, and problem solving. The following topics will include systems of linear equations, inequalities, absolute values, functions of various types, powers roots and radicals, exponential and logarithmic functions, and ending with trigonometry. Graphing calculators are used throughout the course to promote a student's ability to visualize functions and to explore relationships between equations and their graphs.

**APPLIED MATH A**

**VIBE Equivalent: Probability and Statistics**

**One Term      Grades 11, 12**

**Prerequisite: Completion of Algebra 2 or Concepts of Algebra 2**

Students will study mathematics that will most directly affect their day-to-day lives. The course will have extensive applications that revolve around proportional reasoning, measurement, and percentages. Students will also study data analysis which includes data collection, bias, samples and populations, and measures of center and variation. In addition, the class will also focus on the variety of graphs and their uses in displaying data. Students will additionally become familiar with standard deviation, linear models and regression, normal distributions, percentiles, and z-scores.

**APPLIED MATH B**

**VIBE Equivalent: Consumer Math b**

**One Term      Grades 11, 12**

**Prerequisite: Completion of Algebra 2 or Concepts of Algebra 2**

Students will study mathematics that will most directly affect their day-to-day lives. This course will focus heavily on vital concepts prevalent in probability, statistics, and financial mathematics. Students will determine outcomes of simple, compound, independent, and dependent events. Other areas of study include calculating conditional probabilities and analyzing binomial probabilities. Students will further learn to calculate permutations and combinations and apply them in calculating probabilities. Students will also study financial mathematics with the goal of managing money in the most effective ways possible. Major topics include investing and saving money, credit, loans, taxes, and budgets.

### **CALCULUS a & b**

**VIBE Only**

**Two Terms**      **Grades 11, 12**      **Elective**

**Prerequisites: Pre-Calculus/Trigonometry (or equivalent)**

This course provides a comprehensive survey of differential and integral calculus concepts, including limits, derivative and integral computation, linearization, Riemann sums, the fundamental theorem of calculus, and differential equations. Content is presented across ten units and covers various applications, including graph analysis, linear motion, average value, area, volume, and growth and decay models. In this course, students use an online textbook that supplements the instruction they receive and provides additional opportunities to practice using the content they've learned. Students will use an embedded graphing calculator applet (GCalc) for their work on this course; the software for the applet can be downloaded at no charge.

### **CONSUMER MATH a**

**VIBE Only**

**One Term**      **Grades 11, 12**      **Elective**

**Prerequisite: Completion of Algebra 2 or Concepts of Algebra 2**

In Consumer Math, students study and review arithmetic skills they can apply in their personal lives and in their future careers. Students will learn about personal finances, checking and savings accounts, loans and buying on credit, automobile expenses, and housing expenses. Narrated slideshows help illustrate some of the more difficult content. Throughout the course, students participate in online discussions with each other and their teacher.

### **CONTINUING ALGEBRA a & b**

**VIBE Only**

**Two Terms**      **Grades 10, 11, 12**      **Elective**

**Prerequisites: Developmental Algebra (or equivalent)**

This is the second course in a two-year algebra sequence. In this course, students build on what they learned in Developmental Algebra to complete their knowledge of all topics associated with a deep understanding of Algebra I. They learn about relations and functions, radicals and radical expressions, polynomials and their graphs, factoring expressions and using factoring to solve equations, solving quadratics, rational expressions; and logic and reasoning.

### **DEVELOPMENTAL ALGEBRA a & b**

**VIBE Only**

**Two Terms**      **Grades 9, 10, 11, 12**      **Elective**

**Prerequisites: Pre-Algebra (or equivalent)**

This is the first course in a two-year algebra sequence that concludes with Continuing Algebra. In this course, students begin to explore the tools and principles of algebra. Students learn to identify the structure and properties of the real number system, complete operations with integers and other rational numbers, work with square roots and irrational numbers, graph linear equations, solve linear equations and inequalities in one variable, and solve systems of linear equations. Sophisticated virtual manipulatives and online graphing tools help students visualize algebraic relationships. Developmental Algebra covers fewer topics than a one-year algebra course, providing students with more time to learn and practice key concepts and skills. After completing Developmental Algebra, students will be prepared to take Continuing Algebra.

### **INTEGRATED MATH a & b**

**VIBE Only**

**Two Terms**      **Grades 10, 11, 12**      **Elective**

**Prerequisites: Algebra 1**

This course helps students develop mathematical skills that enable them to solve problems and use reason and logic in math courses. Integrated Math gives the main overview of the many mathematical disciplines; topics include number sense, operations, algebraic sense, introduction to probability, geometric figures, geometric movement, measurement, and a more in-depth look at probability (including permutations and combination). Content is expressed in everyday mathematical language and notations to help students learn to apply the skills in a variety of applications. Instruction is supplemented with self-check quizzes, audio tutorials, web quests, and interactive games that engage students in the content they are learning.

**INTEGRATED MATH 1 a & b****VIBE Only****Two Terms**      **Grades 9, 10, 11, 12**      **Elective****Prerequisites: Pre-Algebra (or equivalent)**

This first-year high school integrated math course focuses on linear and simple exponential models. The course contrasts linear behavior with exponential behavior, and uses both linear and simple exponential equations as models. Students learn about and work extensively with functions—analyzing function properties and behavior, creating new functions from known functions, and applying functions to various continuous and discrete situations. The statistics in the course focus on modeling. Geometry topics covered in the course include constructions, transformations, similarity, and congruence—and students use the Pythagorean theorem in analytic geometry contexts.

**INTEGRATED MATH 2 a & b****VIBE Only****Two Terms**      **Grades 10, 11, 12**      **Elective****Prerequisites: Integrated Mathematics 1 (or equivalent)**

Integrated Mathematics II, a second-year high school math course, focuses on extending the number system to include irrational and complex numbers as well as computation with quadratic polynomials. The course continues with quadratic expressions, equations, and functions, including making comparisons to their linear and exponential counterparts, covered in Integrated Mathematics I. The course also introduces conditional probability as a way to make better decisions when given limited information. Geometry topics covered in the course include similarity, right triangle trigonometry, and volume. Students use the tools of analytic geometry, synthesizing algebra, and geometry concepts to describe circles and parabolas in the coordinate plane.

**INTEGRATED MATH 3 a & b****VIBE Only****Two Terms**      **Grades 11, 12**      **Elective****Prerequisites: Integrated Mathematics 2 (or equivalent)**

In this third-year high school math course, students encounter unified instruction reviewing and expanding all previous high school math topics. First, they extend their work on polynomials beyond quadratics to graphing, problem solving, and working with rational expressions. Next, they use statistical and probability tools, such as the standard normal distribution, to understand data. Students make inferences using simulations, experiments, and surveys. In geometry, they extend trigonometric concepts to general triangles and use trigonometric functions to model periodic processes. Finally, students substantially use mathematical modeling by making use of well-developed skills with various mathematical tools.

**MATH FOUNDATIONS 1 a & b (Remediation)****VIBE Only****Two Terms**      **Grades 9**      **Elective****Prerequisites: Teacher/school counselor recommendation**

Students build and reinforce foundational math skills typically found in third through fifth grade for which they have not achieved mastery. They progress through carefully paced, guided instruction and engaging interactive practice. If needed, students can move on to Math Foundations II (addressing skills typically found in sixth through eighth grade) to further develop the computational skills and conceptual understanding needed to undertake high school math courses with confidence.

**MATH FOUNDATIONS 2 a & b (Remediation)****VIBE Only****Two Terms**      **Grades 9, 10**      **Elective****Prerequisites: Teacher/school counselor recommendation; Math Foundations 1 is not required**

Students build and reinforce foundational math skills typically found in sixth through eighth grade, achieving the computational skills and conceptual understanding needed to undertake high school math courses with confidence. Carefully paced, guided instruction is accompanied by interactive practice that is engaging and accessible. This course is appropriate for use as remediation at the high school level or as a bridge to high school.

**PERSONAL FINANCE****VIBE Only****One Term**      **Grades 9, 10, 11, 12**      **Elective**

In this introductory finance course, students learn basic principles of economics and best practices for managing their own finances. Students learn core skills in creating budgets, developing long-term financial plans to meet their goals, and making responsible choices about income and expenses. They gain a deeper understanding of capitalism and other systems so they can better understand their role in the economy of society. Students are inspired by experiences of finance professionals and stories of everyday people and the choices they make to manage their money.

**PRACTICAL MATH a & b****VIBE Only****Two Terms      Grades 11, 12      Elective****Prerequisites: Algebra 1 and Geometry**

In this course, students use math to solve real-world problems—and real-world problems to solidify their understanding of key mathematical topics. Data analysis, math modeling, and personal finance are key themes in this course. Specific topics of study include statistics, probability, graphs of statistical data, regression, finance, and budgeting. In addition, students learn how to use several mathematical models involving algebra and geometry to solve problems. Proficiency is measured through frequent online and offline assessments as well as class participation. Units focused on projects also allow students to apply and extend their math skills in real-world cases.

**PRE-CALCULUS/TRIGONOMETRY a & b****VIBE Only****Two Terms      Grades 11, 12      Elective**

Pre-calculus weaves together previous study of algebra, geometry, and functions into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. Topics include linear, quadratic, exponential, logarithmic, radical, polynomial, and rational functions; systems of equations; and conic sections in the first semester. The second semester covers trigonometric ratios and functions; inverse trigonometric functions; applications of trigonometry, including vectors and laws of cosine and sine; polar functions and notation; and arithmetic of complex numbers. Cross-curricular connections are made throughout the course to calculus, art, history, and a variety of other fields related to mathematics. Prerequisites: Geometry (Comprehensive) and Algebra II (Comprehensive) or equivalents

**FRESHMAN SEMINAR-HEALTH****VIBE Equivalent: Skills for Health****One Term      Grade 9      Required**

Being a teenager is both wonderful and challenging. The challenges teens face are tougher today than at any time in history: academic stress, parent communication, social media, dating drama, abuse, bullying, addictions, depression and peer pressure just to name a few. Students will also receive certified CPR and AED training. By learning these techniques students will be able to respond to emergency situations they may come upon in the future.

**INTRO TO PHYSICAL EDUCATION****VIBE Equivalent: Physical Education a****One Term      Grade 9, 10      Required**

Intro to Physical Education is a participation-based course for the student to enjoy physical activity and team competition. This course is based on learning the knowledge and skills needed to participate in a variety of sports and activities. Emphasis is focused on the development of motor skills, personal fitness, competition and sportsmanship. The purpose of this course is to provide each student with a strong foundation of activities and to establish good habits for lifetime practices.

**HEALTH 10****VIBE Equivalent: Nutrition and Wellness****One Term      Grade 10      Required**

Students will learn to make smart lifestyle decisions that will enhance their health, now and in the future. It all starts with basic habits like getting sufficient sleep, eating right, exercising and managing stress that will provide the essential framework for health. In addition, developing good mental health, building healthy relationships, dealing with bullying and harassment, avoiding the dangers of substance abuse, practicing safety habits and making well-informed sexual decisions are all critical skills that teens will master in the Health 10 course.

**TOTAL FITNESS 1****VIBE Equivalent: Physical Education b****One Term      Grades 10, 11, 12      Elective**

Total Fitness 1 is a participation-based course. The concentration of this course will be on a comprehensive weight and speed training program. Emphasis is focused on active participation, personal fitness, as well as strength and athletic development. The purpose of this course is to provide each student with a strong foundation of meaningful physical activity and to establish good habits for lifetime practices.

**PHYSICAL SCIENCE a & b****VIBE Equivalent: Physical Science a & b****Two Terms      Grade 9, 10      Required**

In physical science, students will explore the areas of physics and chemistry. Specifically, in Physical Science A, students will study the scientific method, measurement, energy, motion, sound, and electricity. In Physical Science B, students will study the classification of matter, states of matter, properties of atoms and the periodic table, chemical bonds, chemical reactions, and acids & bases.

**BIOLOGY a & b****VIBE Equivalent: Biology a & b****Two Terms      Grades 10, 11, 12      Required**

The course is designed to provide the student with an understanding of the chemical, functional, and structural characteristics of living organisms. Topics studied may include the structure and physiology of cells, tissues, and organs; ecology and population dynamics; reproduction, metabolism, and growth. Included, also, is the investigation of the major themes of biology: the cell theory, evolution, and gene theory. Laboratory work is designed to develop an understanding of the scientific process, as well as an understanding of biological concepts. This course meets the high school biology requirement for graduation.

**CHEMISTRY a & b****VIBE Equivalent: Chemistry a & b****Two Terms      Grades 10, 11, 12      Meets Requirement****Prerequisite: Physical Science & Algebra 1**

This course is designed to meet the needs of the student going to postsecondary school, and maybe planning to take college chemistry. Topics covered include: matter and change, atomic theory, quantum model of the atom, periodicity, bonding, reactions, stoichiometry, solutions, and acids/bases. These areas of chemistry will be explored both from a practical field as well as laboratory exploration. If students are considering a science related career, they could further their chemistry experience by taking AP Chemistry b & c. This course meets the Physics/Chemistry credit requirement for graduation.

**PHYSICS a & b****VIBE Equivalent: Physics a & b****Two Terms      Grades 11, 12      Meets Requirement****Prerequisite: Algebra 1 & 2****Recommended: Completed Algebra 3**

Physics is a course to provide a background necessary for college physics and is designed to foster an understanding of force and motion; work, power and energy; wave transfer and optics-electricity, as well as to develop the ability to apply hands-on and mathematical problem solving to physics to arrive at sound and logical conclusions in the laboratory and classroom. Physics is recommended for the college bound student interested in science, engineering, math or related professions. This course meets the Physics/Chemistry credit requirement for graduation.

**EARTH SCIENCE a & b****VIBE Only****Two Terms      Grades: 9, 10, 11, 12      Elective****Prerequisites: Middle school Earth Science (or equivalent)**

This comprehensive course gives students a solid basis to move on to future studies. The course provides an in-depth survey of all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry. The course includes direct online instruction, virtual laboratories, and related assessments, used with a problem-solving book.

**ENVIRONMENTAL SCIENCE****VIBE Only****One Term      Grades: 11, 12      Elective****Prerequisites: Success in previous high school science course and teacher/counselor recommendation**

This course surveys key topic areas, including the application of scientific process to environmental analysis; ecology; energy flow; ecological structures; earth systems; and atmospheric, land, and water science. Topics also include the management of natural resources and analysis of private and governmental decisions involving the environment. Students explore actual case studies and conduct five hands-on, unit-long research activities, learning that political and private decisions about the

environment and the use of resources require accurate application of scientific processes, including proper data collection and responsible conclusions.

## **FORENSIC SCIENCE**

**VIBE Only**

**One Term      Grades: 11, 12      Elective**

**Prerequisites: Successful completion of at least two years of high school science, including Biology and Chemistry is highly recommended; or equivalents**

This one-semester course surveys key topics in forensic science, including the application of the scientific process to forensic analysis, procedures and principles of crime scene investigation, physical and trace evidence, and the law and courtroom procedures from the perspective of the forensic scientist. Through online lessons, virtual and hands-on labs, and analysis of fictional crime scenarios, students learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection, and responsible conclusions.



**GEOGRAPHY 9****VIBE Equivalent: Geography a****One Term      Grade 9      Required**

Geography is the study of the earth's physical features and the living things, humans, animals, and plants that inhabit the planet. Geography looks at where all these elements are located and how they relate to one another. In this course students will gain an understanding of what geography is and why it is important to study it. In addition, selected geographic skills will be covered, including latitude and longitude determination, earth-sun relationships, climate, time, map projections and map scale.

**WORLD HISTORY a****VIBE Equivalent: World History a****One Term      Grade 10      Required**

World History A will cover the historically significant people, events, developments and themes from 3500B.C. to 1500 A.D. Areas of emphasis will include ancient Mesopotamia, major religions, eastern and western empires, ancient Greece and Rome, feudalism, the Crusades and the 100 Years' War.

**WORLD HISTORY b****VIBE Equivalent: World History b****One Term      Grade 10      Required**

World History B will cover the historically significant people, events, developments and themes from 1500 A.D. to the mid 1900's. Areas of emphasis will include the age of exploration, the slave trade, the age of enlightenment, revolutions, industrial revolution, democracy, imperialism, nationalization, and colonization.

**U.S. HISTORY a & b****VIBE Equivalent: U.S. History a & b****Two Terms      Grade 11      Required**

This is a comprehensive study of the cultural, social, economic, political, and technological forces that have shaped the development of our country into its present state. The study begins with a review of colonial times leading up to the Revolution, The Revolutionary War, foreign and domestic policies of the 1800's, the Civil War and Reconstruction, and the rise of the Industrial Age. From that point, a more intensive study will occur as students learn about U.S. history from the Progressive Era up through the Vietnam War, to the present time.

**AMERICAN GOVERNMENT****VIBE Equivalent: U.S. Government and Politics****One Term      Grade 12      Required**

This class examines the structure and function of the institutions of American government. Units and topics covered include the Articles of Confederation, the Bill of Rights, the development of political parties, elections, the Congress, the Presidency, the Supreme Court and other federal courts, state government, county and local government. Comparisons with other forms of democratic and autocratic governments will be made.

**ECONOMICS****VIBE Equivalent: Economics****One Term      Grade 12      Required**

This course will provide students with the basic concepts and principles of both microeconomics and macroeconomics. Students will develop an understanding of the U.S. free enterprise system and compare it to other economic systems. Students will learn how economics is an important part of their everyday lives.

**ANTHROPOLOGY****VIBE Only****One Term      Grades 10, 11, 12      Elective****Prerequisites: World History (or equivalent) recommended as a prerequisite or co-requisite, but not required**

Anthropologists research the characteristics and origins of the cultural, social, and physical development of humans and consider why some cultures change and others come to an end. In this course, students are introduced to the five main branches of anthropology: physical, cultural, linguistic, social, and archeological. Through instruction and their own investigation and analysis, students explore these topics while considering their relationship to other social sciences such as history, geography, sociology, economics, political science, and psychology. Emulating professional anthropologists, students apply their knowledge and observational skills to the real-life study of cultures in the United States and around the world. The content in this course meets or exceeds the standards of the National Council for the Social Studies (NCSS).

**CIVICS****VIBE Only****One Term      Grades: 10, 11, 12      Elective**

Civics is the study of citizenship and government. This one-semester course provides students with a basic understanding of civic life, politics, and government, and a short history of government's foundation and development in this country. Students learn how power and responsibility are shared and limited by government, the impact American politics has on world affairs, the place of law in the American constitutional system, and which rights the American government guarantees its citizens. Students also examine how the world is organized politically and how civic participation in the American political system compares to that in other societies around the world today.

**CONTEMPORARY WORLD ISSUES a & b****VIBE Only****Two Terms      Grades: 10, 11, 12      Elective**

In this course, students will compare the geography, governments, economies, and cultures of the world. Emphasis will be placed on learning about the civics, politics, economics, structures, processes and policies of the United States and then comparing them with those of the international community. Students will use what they know and learn about the United States and the world to analyze current events and contemporary issues. Reasoning and research skills will be applied to the content throughout the course.

**MODERN U.S. HISTORY a & b****VIBE Only****Two Terms      Grades: 11, 12      Elective****Prerequisites: World History or Modern World Studies**

This course is a full-year survey that provides students with a comprehensive view of American history from the first migrations of nomadic people to North America to recent events. Readings are drawn from *The American Odyssey: A History of the United States*. Online lessons help students organize their study, explore topics in depth, review in preparation for assessments, and practice skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating time lines, completing projects and written assignments, and conducting independent research.

**MODERN WORLD STUDIES a & b****VIBE Only****Two Terms      Grades 11, 12      Elective****Prerequisites: World History, middle school World History (or equivalent)**

In this comprehensive course, students follow the history of the world from approximately 1870 to the present. They begin with a study of events leading up to 1914, including the Second Industrial Revolution and the imperialism that accompanied it. Their focus then shifts to the contemporary era, including two world wars, the Great Depression, and global Cold War tensions. Students examine both the staggering problems and astounding accomplishments of the twentieth century, with a focus on political and social history. Students also explore topics in physical and human geography, and investigate issues of concern in the contemporary world. Online lessons help students organize study, explore topics, review in preparation for assessments, and practice sophisticated skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research.

**PSYCHOLOGY****VIBE Only****One Term      Grades 10, 11, 12      Elective****Prerequisites: Interest in and a willingness to critically explore the many different areas presented in an introductory course about behavior**

In this one-semester course, students investigate why human beings think and act the way they do. This is an introductory course that broadly covers several areas of psychology. Instructional material presents theories and current research for students to critically evaluate and understand. Each unit introduces terminology, theories, and research that are critical to the understanding of psychology and includes tutorials and interactive exercises. Students learn how to define and use key terms of psychology and how to apply psychological principles to their own lives. Units include: Methods of Study, Biological Basis for Behavior, Learning and Memory, Development and Individual Differences, and Psychological Disorders.

**U.S. AND GLOBAL ECONOMICS****VIBE Only****One Term      Grades 11, 12****Prerequisites: U.S. Government and Politics or equivalent is recommended, but not required**

In this course on economic principles, students explore choices they face as producers, consumers, investors, and taxpayers. Students apply what they learn to real-world simulation problems. Topics of study include markets from historic and

contemporary perspectives; supply and demand; theories of early economic philosophers such as Adam Smith and David Ricardo; theories of value; money (what it is, how it evolved, the role of banks, investment houses, and the Federal Reserve); Keynesian economics; how capitalism functions, focusing on productivity, wages, investment, and growth; issues of capitalism such as unemployment, inflation, and the national debt; and a survey of markets in such areas as China, Europe, and the Middle East.

**World language course offerings depend on staff availability.**

**GERMAN 1 a & b**

**VIBE Equivalent: German 1 a & b**

**Two Terms      Grades 9, 10, 11, 12      Elective**

German 1 is a course to develop a novice level of fluency in listening, speaking, reading, and writing and to develop an appreciation of the culture. The TPRS method of language instruction will be used. Multi-media units on German culture and excerpts from various works will also be used. The course is for beginning German students.

**GERMAN 2 a & b**

**VIBE Equivalent: German 2 a & b**

**Two Terms      Grades 9, 10, 11, 12      Elective**

German 2 is a course structured to increase fluency in listening, speaking, reading, and writing skills, and to continue the appreciation of the German culture. The TPRS method of language instruction will be used. German literary works, multi-media cultural units, and materials related to the history of Germany will also be used. The course is for students who have completed German 1 and achieved a C or above.

**SPANISH 1 a & b**

**VIBE Equivalent: Spanish 1 a & b**

**Two Terms      Grades 9, 10, 11, 12      Elective**

Spanish 1 is a course to develop a novice level of fluency in listening, speaking, reading, and writing and to develop an appreciation of the culture. The TPRS method of language instruction will be used. Multi-media units on Hispanic culture and excerpts from various works will also be used. The course is for beginning Spanish students. If Spanish is the home language, a placement test is required PRIOR to registering for Spanish 1.

**SPANISH 2 a & b**

**VIBE Equivalent: Spanish 2 a & b**

**Two Terms      Grades 9, 10, 11, 12      Elective**

Spanish 2 is a course structured to increase fluency in listening, speaking, reading, and writing skills, and to continue the appreciation of the Hispanic culture. The TPRS method of language instruction will be used. Hispanic literary works, multi-media cultural units, and material related to the history of Hispanics will also be used. The course is for students who have completed Spanish 1 and achieved a C or above. This course is not intended for native speakers.

**SPANISH 3 a & b**

**VIBE Equivalent: Spanish 3 a & b**

**Two Terms      Grades 10, 11, 12      Elective**

Spanish 3 is a course to build fluency in the areas of listening, speaking, reading, and writing. Students will work toward the goal of intermediate-low on the ACTFL proficiency guidelines. The TPRS method of language instruction will be used. Materials will also include a short novel and other cultural and literary works. This course is only for students who have completed Spanish 1 and 2 and achieved a C or above in Spanish 2. This course is not intended for native speakers.

**FRENCH 1 a & b**

**VIBE Only**

**Two Terms      Grades 9, 10, 11, 12      Elective**

Students receive a thorough grounding in the basics of the French language in this introductory, two-semester course. French 1 has been designed to meet the standards of the American Council on the Teaching of Foreign Languages (ACTFL). These standards call for a method of teaching that focuses on successful communication through speaking, listening, reading, and writing. Course strategies include warm-up activities, vocabulary study, reading, threaded discussions, multimedia presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes, and exams. Learning activities in each unit are focused on a specific theme.

**FRENCH 2 a & b**

**VIBE Only**

**Two Terms      Grades 9, 10, 11, 12      Elective**

**Prerequisites: French 1**

French 2 continues the learning process that began with French 1 and adheres to the standards of ACTFL. Instructional material introduces students to new grammar and vocabulary and allows them to build conversational and reading skills to cover many common situations in daily life. Unit topics include daily routine, animals, entertainment, body parts, rooms and furniture,

shopping and clothing, meals, sports and recreation, and transportation. Unit activities blend different forms of communication and culture to ensure that standards are met.

### **FRENCH 3 a & b**

**VIBE Only**

**Two Terms**      **Grades 10, 11, 12**      **Elective**

**Prerequisites: French 2**

This course builds on knowledge that students acquired in the beginning-level courses, French 1 and 2, and aligns with national ACTFL standards. Students learn to express themselves using present, past, future, and conditional tense verbs in increasingly complex grammatical constructions. They become familiar with idiomatic expressions common to daily French speaking and build vocabulary in order to be able to converse on a wider variety of themes in French. Instruction includes more material on French culture, geography, and history than in earlier courses, giving students the opportunity to learn about France and other francophone countries around the world.

### **LATIN 1 a& b**

**VIBE Only**

**Two Terms**      **Grades 9, 10, 11, 12**      **Elective**

This two-semester course provides an introduction to the fundamentals of Latin grammar. Students develop the skills necessary to translate basic sentences from Latin into English and from English into Latin, and to read simple connected passages of Latin prose and poetry. In the process, students learn how verb conjugations and noun declensions work in a highly inflected language and how to analyze the structure of Latin sentences. The course includes a cross-cultural component, introducing students to the world of ancient Rome by allowing them to acquire knowledge—through word study—of Roman institutions, practices, religious beliefs, and ideological ways of thought.

### **LATIN 2 a & b**

**VIBE Only**

**Two Terms**      **Grades 10, 11, 12**      **Elective**

**Prerequisites: Latin 1**

Latin 2 builds on the foundation in Latin grammar provided by the Latin I course and also includes an in-depth study of Roman mythology and history. Students expand their use of declensions, adjectives, adverbs, and cases. These skills enable them to translate longer Latin texts into English that require a more complex knowledge of grammar rather than just vocabulary. To practice oral Latin skills, students engage in conversations, seek and give items of information, express feelings and emotions, and exchange opinions. Latin 2 also takes students on a tour of the ancient classical world, including literature, historical workers, and the lives of famous and influential Romans.

### **MANDARIN (CHINESE) 1 a & b**

**VIBE Only**

**Two Terms**      **Grades 9, 10, 11, 12**      **Elective**

Mandarin (Chinese) 1 introduces students to the study of the Chinese language. Students learn listening, speaking, reading, and writing skills through activities that are based on pedagogically proven methods of world language instruction. Instructional material introduces simple grammatical concepts in innovative ways and provides practice activities with a variety of learning styles in mind. This two-semester course sprinkles culture throughout the units to help students focus on the Chinese-speaking world, its culture, people, geographical locations, and history. Unit themes include greetings, numbers, family members, school life, clothing, daily routine, shopping, and restaurant menus. The course is aligned with national ACTFL standards.

### **MANDARIN (CHINESE) 2 a & b**

**VIBE Only**

**Two Terms**      **Grades 9, 10, 11, 12**      **Elective**

**Prerequisites: Chinese 1**

This two-semester course is a continuation of the introductory-level Mandarin (Chinese) 1 course. It presents students with new, more complicated areas of Chinese language learning. Units cover a variety of material that is useful to students learning everyday conversational arts. Themes include daily routine, animals, hobbies, the body, descriptions, home life, shopping, entertainment, sports, and travel. Throughout the course, students learn to express themselves using an ever increasing vocabulary of present tense verbs, articles, and adjectives. They gain the skills and confidence necessary to talk about daily activities, leisure-time pursuits and hobbies, body parts and their function, and people and culture.

**FRESHMAN SEMINAR-CAREERS****VIBE Equivalent: Achieving your Career and College Goals****One Term      Grades 9,10,11,12      Required**

This class is designed to introduce students to career and life planning concepts and how to apply these to their own lives. Individualized assessments of student's interests and skills will be conducted to determine strengths and interests. Research in various occupations will give students a better understanding of skills and education needed for their own planning. Students will also research the college application process, admission requirements, cost of post-secondary education and the importance of applying for scholarships. The job application process will be conducted as will the interview.

**FAMILY AND CONSUMER SCIENCE****VIBE Only****One Term      Grades 9, 10, 11, 12      Elective**

In this one-semester course, students develop skills and knowledge to help them transition into adult roles within the family. They learn to make wise consumer choices, prepare nutritious meals, contribute effectively as part of a team, manage a household budget, and balance roles of work and family. They gain an appreciation for the responsibilities of family members throughout the life span and the contributions to the well-being of the family and the community.

**LIFE SKILLS****VIBE Only****One Term      Grades 9, 10, 11, 12      Elective**

This one-semester elective is designed to increase students' knowledge of and ability in using the skills necessary for everyday living. Life Skills emphasizes defining personal values, goal-setting and planning, and solving problems. Instructional material focuses on dealing with media and peer pressure, communication and relationships, working with others, avoiding and/or resolving conflict, decision making, wellness and personal safety, aspects of good citizenship, environmental awareness, and how students can contribute to their own community. The course is organized in six units: Course Introduction; Thinking About Yourself; Thinking for Yourself; Taking Care of Yourself; Caring for Your Relationships; and Caring About Your World.

**MUSIC APPRECIATION a & b****VIBE Only****Two Terms      Grades 9, 10, 11, 12      Elective**

This course introduces students to the history, theory, and genres of music. The first semester covers basic music theory concepts as well as early musical forms, classical music, patriotic and nationalistic music, and twentieth-century music. The second semester presents modern traditions, including American jazz, gospel, folk, soul, blues, Latin rhythms, rock and roll, and hip hop. The course explores the history of music, from the surviving examples of rudimentary musical forms through to contemporary pieces from around the world. The first semester covers early musical forms, classical music, and American jazz. The second semester presents modern traditions, including gospel, folk, soul, blues, Latin rhythms, rock and roll, and hip hop. The course explores the relationship between music and social movements and reveals how the emergent global society and the prominence of the Internet are making musical forms more accessible worldwide. To comply with certain state standards for the arts, a student "performance practicum" is required for full credit each semester. The performance practicum requirement can be met through participation in supervised instrumental or vocal lessons, church or community choirs, community musical performances, or any other structured program that meets at regular intervals and provides opportunities for students to build vocal and/ or instrumental skills. Parents or guardians will be required to present their proposed practicum to the students' teachers for approval, and validate their children's regular participation in the chosen performance practicum.

**REACHING YOUR ACADEMIC POTENTIAL****VIBE Only****One Term      Grades 9, 10, 11, 12      Elective**

Students learn essential academic skills within the context of their learning style, individual learning environment, and long-term goals. This course helps students develop habits for more successful reading, writing, studying, communication, collaboration, time management, and concentration. It also provides insights into how the brain works when they are learning, and ways to maximize its potential.

**SERVICE LEARNING****VIBE Only****One Term      Grades 9, 10, 11, 12      Elective**

This project may be used in a variety of ways—as a stand-alone project, in conjunction with another course, or as a foundation around which to base a one-semester course. An introductory unit presents instruction on the nature of service learning. Students are taught how to identify community needs, select projects that are meaningful to themselves, apply practical skills, reflect on their learning experience, and behave responsibly in a service setting. Students then move on to design and conduct service learning experiences of their own, according to the requirements of their projects. Documents to support teachers in guiding students through the project are included.

**Anatomy and Physiology 1 & 2**

**VIBE Only**

**Two Terms      Grades 9, 10, 11, 12      Elective**

Anatomy and Physiology Levels 1 and 2 provide a thorough introduction to the basics required for the study of the human body and how it functions. Students will receive a general introduction to life functions, the terminology, and phonetic pronunciations used to describe body parts and their locations as well as an overall review of human development and body processes. This course also includes Infection Control and Standard Precautions, which emphasizes the importance of maintaining health and safety in the health care work environment as well as highlights the latest practices and protocols. Levels 1 and 2 must be taken in sequential order.

Permission is required from Alternative Learning Principal to take Advance Placement or Honors courses.

**AP ENGLISH LANGUAGE AND COMPOSITION a & b**

**VIBE Only**

**Two terms**      **Grades 11, 12**      **Elective**

**Prerequisites: Honors Literary Analysis and Composition 2 (or equivalent) or Honors American Literature (or equivalent), and teacher/school counselor recommendation**

Students learn to understand and analyze complex works by a variety of authors. They explore the richness of language, including syntax, imitation, word choice, and tone. They also learn composition style and process, starting with exploration, planning, and writing. This continues with editing, peer review, rewriting, polishing, and applying what they learn to academic, personal, and professional contexts. In this equivalent of an introductory college-level survey class, students prepare for the AP Exam and for further study in communications, creative writing, journalism, literature, and composition.

**AP ENGLISH LITERATURE AND COMPOSITION a & b**

**VIBE Only**

**Two terms**      **Grades 11, 12**      **Elective**

**Prerequisites: Honors Literary Analysis and Composition 2 (or equivalent) or Honors American Literature (or equivalent), and teacher/school counselor recommendation**

In this course, the equivalent of an introductory college-level survey class, students are immersed in novels, plays, poems, and short stories from various periods. Students read and write daily, using a variety of multimedia and interactive activities, interpretive writing assignments, and discussions. The course places special emphasis on reading comprehension, structural and critical analyses of written works, literary vocabulary, and recognizing and understanding literary devices. Students prepare for the AP Exam and for further study in creative writing, communications, journalism, literature, and composition.

**HONORS AMERICAN LITERATURE a & b**

**VIBE Only**

**Two terms**      **Grades 11, 12**      **Elective**

**Prerequisites: Honors Literary Analysis and Composition 2 (or equivalent) and teacher/school counselor recommendation**

In this course, students read and analyze works of American literature from colonial to contemporary times, including poetry, short stories, novels, drama, and nonfiction. The literary works provide opportunities for critical writing, creative projects, and online discussions. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests. Students enrolled in this challenging course will also complete independent projects that deepen their understanding of the themes and ideas presented in the curriculum.

**HONORS BRITISH AND WORLD LITERATURE a & b**

**VIBE Only**

**Two terms**      **Grades 11, 12**      **Elective**

**Prerequisites: Honors Literary Analysis and Composition 2 (or equivalent) or Honors American Literature (or equivalent), and teacher/school counselor recommendation**

Students read and analyze works of British and world literature that reflect the rich and diverse history of the Western world. As students progress through centuries of literature in a loose chronological arrangement, they will see how British and world literature has been shaped by concerns, values, and ideas that have intrigued, delighted, and challenged people throughout time. Throughout the course, poetry, short stories, novels, drama, and nonfiction provide opportunities for critical writing, creative projects, and online discussions. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests. Students enrolled in this challenging course will also complete independent projects that extend their knowledge and deepen their understanding of the themes and ideas presented in the curriculum.

**HONORS English 9 a & b**

**VIBE Only**

**Two terms**      **Grades 9, 10**      **Elective**

**Prerequisites: Middle school English/language arts and teacher/school counselor recommendation**

This course challenges students to improve their written and oral communication skills, while strengthening their ability to understand and analyze literature in a variety of genres. Students enrolled in this course work on independent projects that enhance their skills and challenge them to consider complex ideas and apply the knowledge they have learned.



Literature: Students read a broad array of short stories, poetry, drama, novels, autobiographies, essays, and famous speeches. The course guides students in the close reading and critical analysis of classic works of literature, and helps them appreciate the texts and the contexts in which the works were written. Literary selections range from the Greek tragedy *Antigone* to Shakespeare's *Romeo and Juliet* to contemporary pieces by authors such as Annie Dillard and Maya Angelou.

Language Skills: Students broaden their composition skills by examining model essays in various genres by student and published writers. Through in-depth planning, organizing, drafting, revising, proofreading, and feedback, they hone their writing skills. Students build on their grammar, usage, and mechanics skills with in-depth study of sentence analysis and structure, agreement, and punctuation, reinforced by online activities. Student vocabularies are enhanced through the study of Greek and Latin root words, improving students' ability to decipher the meanings of new words.

### **HONORS English 10 a & b**

**VIBE Only**

**Two terms      Grades 10, 11      Elective**

**Prerequisites: Honors English 9 or equivalent and teacher/school counselor recommendation**

In this course, students build on existing literature and composition skills and move on to higher levels of sophistication. Students work on independent projects that enhance their skills and challenge them to consider complex ideas and apply the knowledge they have learned.

Literature: Students hone their skills of literary analysis by reading short stories, poetry, drama, novels, and works of nonfiction, both classic and modern. Authors include W. B. Yeats, Sara Teasdale, Langston Hughes, Robert Frost, Edgar Allan Poe, Nathaniel Hawthorne, Kate Chopin, Amy Tan, Richard Rodriguez, and William Shakespeare. Students have a choice of novels and longer works to study, including works by Jane Austen, Charles Dickens, and Elie Wiesel.

Language Skills: In this course, students become more proficient writers and readers. In composition lessons, students analyze model essays from readers' and writers' perspectives, focusing on ideas and content, structure and organization, style, word choice, and tone. Students receive feedback during the writing process to help them work toward a polished final draft. In addition to writing formal essays, résumés, and business letters, students write and deliver a persuasive speech. Students expand their knowledge of grammar, usage, and mechanics through sentence analysis and structure, syntax, agreement, and conventions. Unit pretests identify skills to address more fully. Students strengthen their vocabularies through thematic units focused on word roots, suffixes and prefixes, context clues, and other important vocabulary-building strategies.

### **AP CALCULUS AB a & b**

**VIBE Only**

**Two terms      Grades 11, 12      Elective**

**Prerequisites: Honors Geometry, Honors Algebra 2, Pre-Calculus/Trigonometry (or equivalents), and teacher/school counselor recommendation**

This course is the equivalent of an introductory college-level calculus course. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real world phenomena. Students learn to evaluate the soundness of proposed solutions and apply mathematical reasoning to real-world models. Students also learn to understand change geometrically and visually (by studying graphs of curves), analytically (by studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. Students prepare for the AP Exam and further studies in science, engineering, and mathematics.

### **AP CALCULUS BC a & b**

**VIBE Only**

**Two terms      Grades 11, 12      Elective**

**Prerequisites: Honors Geometry, Honors Algebra 2, Pre-Calculus/Trigonometry (or equivalents), and teacher/school counselor recommendation**

This course is the equivalent of an introductory college-level calculus course. In this course, students study functions, limits, derivatives, integrals, and infinite series. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real world phenomena. Students learn to evaluate the soundness of proposed solutions and apply mathematical reasoning to real-world models. Students also learn to understand change geometrically and visually (by studying graphs of curves), analytically (by studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. Students prepare for the AP Exam and further studies in science, engineering, and mathematics.

### **AP STATISTICS a & b**

**VIBE Only**

**Two terms      Grades 11, 12      Elective**

**Prerequisites: Honors Algebra 2 (or equivalent) and teacher/school counselor recommendation**

This course is the equivalent of an introductory college-level course. Statistics—the art of drawing conclusions from imperfect data and the science of real-world uncertainties—plays an important role in many fields. Students collect, analyze, graph, and interpret real-world data. They learn to design and analyze research studies by reviewing and evaluating examples from real research. Students prepare for the AP Exam and for further study in science, sociology, medicine, engineering, political science, geography, and business.

### **HONORS ALGEBRA 1 a & b**

**VIBE Only**

**Two terms      Grades 9, 10      Elective**

**Prerequisites: Success in previous math course and teacher/school counselor recommendation**

This course prepares students for more advanced courses while they develop algebraic fluency, learn the skills needed to solve equations, and perform manipulations with numbers, variables, equations, and inequalities. They also learn concepts central to the abstraction and generalization that algebra makes possible. Topics include simplifying expressions involving variables, fractions, exponents, and radicals; working with integers, rational numbers, and irrational numbers; graphing and solving equations and inequalities; using factoring, formulas, and other techniques to solve quadratic and other polynomial equations; formulating valid mathematical arguments using various types of reasoning; and translating word problems into mathematical equations and then using the equations to solve the original problems. This course includes all the topics in Algebra I (Comprehensive), but includes more challenging assignments and optional challenge activities. Each semester also includes an independent honors project.

### **HONORS ALGEBRA 2 a & b**

**VIBE Only**

**Two terms      Grades 10, 11, 12      Elective**

**Prerequisites: Algebra 1 or Honors Algebra 1, Geometry or Honors Geometry (or equivalents), and teacher/school counselor recommendation**

This course builds upon advanced algebraic concepts covered in Algebra 1 and prepares students for advanced-level courses. Students extend their knowledge and understanding by solving open-ended problems and thinking critically. Topics include functions and their graphs, quadratic functions, complex numbers, and advanced polynomial functions. Students are introduced to rational, radical, exponential, and logarithmic functions; sequences and series; probability; statistics; and conic sections. Students work on additional challenging assignments, assessments, and research projects.

### **HONORS GEOMETRY a & b**

**VIBE Only**

**Two terms      Grades 10, 11      Elective**

**Prerequisites: Algebra 1 or Honors Algebra 1 (or equivalent) and teacher/school counselor recommendation**

Students work with advanced geometric concepts in various contexts. They build in depth ideas of inductive and deductive reasoning, logic, concepts, and techniques of Euclidean plane and solid geometry. They also develop a sophisticated understanding of mathematical structure, method, and applications of Euclidean plane and solid geometry. Students use visualizations, spatial reasoning, and geometric modeling to solve problems. Topics of study include points, lines, and angles; triangles; right triangles; quadrilaterals and other polygons; circles; coordinate geometry; three-dimensional solids; geometric constructions; symmetry; the use of transformations; and non-Euclidean geometries. Students work on additional challenging assignments, assessments, and research projects.

### **AP BIOLOGY a & b**

**VIBE Only**

**Two terms      Grades 11, 12      Elective**

**Prerequisites: Biology, Chemistry, Algebra 1, and teacher/school counselor recommendation required; success in Algebra 2 highly recommended**

This course guides students to a deeper understanding of biological concepts, including the diversity and unity of life, energy and the processes of life, homeostasis, and genetics. Students learn about regulation, communication, and signaling in living organisms, and interactions of biological systems. Students carry out a number of learning activities, including readings, interactive exercises, extension activities, hands-on and virtual laboratory experiments, and practice assessments. These activities are designed to help students gain an understanding of the science process and critical-thinking skills necessary to answer questions on the AP Biology Exam. The content aligns to the sequence of topics recommended by the College Board.

### **AP ENVIRONMENTAL SCIENCE a & b**

**VIBE Only**

**Two terms      Grades 10, 11, 12      Elective**

**Prerequisites: Successful completion of honors or advanced-level high school science courses and teacher/school counselor recommendation**

Students examine the natural world's interrelationships in AP Environmental Science. During this two-semester course, they identify and analyze environmental problems and their effects and evaluate the effectiveness of proposed solutions. They learn to think like environmental scientists as they make predictions based on observation, write hypotheses, design and complete field studies and experiments, and reach conclusions based on the analysis of resulting data. Students apply the concepts of environmental science to their everyday experiences, current events, and issues in science, politics, and society. The course provides opportunities for guided inquiry and student-centered learning that build critical thinking skills.

**HONORS BIOLOGY a & b**

**VIBE Only**

**Two terms      Grades 9, 10      Elective**

**Prerequisites: Middle school Life Science (or equivalent), success in previous science course, and teacher/school counselor recommendation**

This course provides students with a challenging honors-level biology curriculum, focusing on the chemistry of living things: the cell, genetics, evolution, the structure and function of living things, and ecology. The program consists of advanced online lessons, including extensive animations, an associated reference book, collaborative explorations, and hands-on laboratory experiments students can conduct at home. Honors activities include debates, research papers, extended collaborative laboratories, and virtual laboratories.

**HONORS CHEMISTRY a & b**

**VIBE Only**

**Two terms      Grades 10, 11, 12      Elective**

**Prerequisites: Success in previous science course, Algebra 1 (Comprehensive), Honors Algebra 1 (or equivalents), and teacher/school counselor recommendation**

This advanced course gives students a solid basis to move on to more advanced courses. The challenging course surveys all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry, enhanced with challenging model problems and assessments. Students complete community based written research projects, treat aspects of chemistry that require individual research and reporting, and participate in online threaded discussions.

**HONORS EARTH SCIENCE a & b**

**VIBE Only**

**Two terms      Grades 9, 10, 11, 12      Elective**

**Prerequisites: Middle school Earth Science (or equivalent), success in previous science course, and teacher/school counselor recommendation**

This challenging course provides students with an honors-level earth science curriculum, focusing on geology, oceanography, astronomy, weather, and climate. The program consists of online lessons, an associated reference book, collaborative activities, and hands-on laboratories students can conduct at home. The course prepares students for advanced studies in geology, meteorology, oceanography, and astronomy courses, and gives them more sophisticated experience in implementing scientific methods. Additional honors assignments include debates, research papers, extended collaborative laboratories, and virtual laboratories.

**HONORS PHYSICS a & b**

**VIBE Only**

**Two terms      Grades 11, 12      Elective**

**Prerequisites: Algebra 2 or Honors Algebra 2, Pre-Calculus/Trigonometry, and teacher/school counselor recommendation**

This advanced course surveys all key areas: physical systems, measurement, kinematics, dynamics, momentum, energy, thermodynamics, waves, electricity, and magnetism, and introduces students to modern physics topics such as quantum theory and the atomic nucleus. Additional honors assignments include debates, research papers, extended collaborative laboratories, and virtual laboratories. The course gives a solid basis for moving on to more advanced college physics courses. The program consists of online instruction, virtual laboratories, and related assessments, plus an associated problem-solving book.

**AP MACROECONOMICS**

**VIBE Only**

**One term      Grades 11, 12      Elective**

**Prerequisites: Honors Algebra 2 (or equivalent) and teacher/school counselor recommendation**

This course is the equivalent of an introductory college-level course. Students learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. Students also examine how individuals and institutions are influenced by employment rates, government spending, inflation, taxes, and production. Students prepare for the AP Exam and for further study in business, political science, and history.

### **AP MICROECONOMICS**

**VIBE Only**

**One term      Grades 11, 12      Elective**

**Prerequisites: Honors Algebra 2 (or equivalent) and teacher/school counselor recommendation**

This course is the equivalent of an introductory college-level course. Students explore the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students learn why the same product can cost different amounts at different stores, in different cities, and at different times. Students also learn to spot patterns in economic behavior and learn how to use those patterns to explain buyer and seller behavior under various conditions. Lessons promote an understanding of the nature and function of markets, the role of scarcity and competition, the influence of factors such as interest rates on business decisions, and the role of government in the economy. Students prepare for the AP Exam and for further study in business, history, and political science.

### **AP PSYCHOLOGY**

**VIBE Only**

**One term      Grades 10, 11, 12      Elective**

**Prerequisites: Honors Biology (or equivalent) and teacher/school counselor recommendation**

This course is the equivalent of an introductory college-level course. Students receive an overview of current psychological research methods and theories. They explore the therapies used by professional counselors and clinical psychologists, and examine the reasons for normal human reactions: how people learn and think, the process of human development and human aggression, altruism, intimacy, and self-reflection. They study core psychological concepts, such as the brain and sensory functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. Students prepare for the AP Exam and for further studies in psychology and life sciences.

### **AP U.S. GOVERNMENT AND POLITICS**

**VIBE Only**

**One term      Grades 10, 11, 12      Elective**

**Prerequisites: Honors U.S. History (or equivalent) and teacher/school counselor recommendation**

This course is the equivalent of an introductory college-level course. Students explore the operations and structure of the U.S. government and the behavior of the electorate and politicians. Students gain the analytical perspective necessary to evaluate political data, hypotheses, concepts, opinions, and processes and learn how to gather data about political behavior and develop their own theoretical analysis of American politics. Students also build the skills they need to examine general propositions about government and politics, and to analyze specific relationships between political, social, and economic institutions. Students prepare for the AP Exam and for further study in political science, law, education, business, and history.

### **AP WORLD HISTORY a & b**

**VIBE Only**

**Two terms      Grades 10, 11, 12      Elective**

**Prerequisites: Previous history course and teacher/school counselor recommendation**

This course spans the Neolithic Age to the present in a rigorous academic format organized by chronological periods and viewed through fundamental concepts and course themes. Students analyze the causes and processes of continuity and change across historical periods. Themes include human–environment interaction, cultures, expansion and conflict, political and social structures, and economic systems. In addition to mastering historical content, students cultivate historical thinking skills that involve crafting arguments based on evidence, identifying causation, comparing and supplying context for events and phenomenon, and developing historical interpretation. This course prepares students for the AP World History Exam.

### **HONORS MODERN U.S. HISTORY a & b**

**VIBE Only**

**Two terms      Grades 9, 10, 11, 12      Elective**

**Prerequisites: Middle school American History Before 1865, American History Since 1865 (or equivalent), and teacher/school counselor recommendation**

This course is a challenging full-year survey that provides students with a comprehensive view of American history from the industrial revolution of the late nineteenth century to recent events. Readings are drawn from *The American Odyssey: A History of the United States*. Online lessons help students organize study, explore topics in depth, review in preparation for

assessments, and practice advanced skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research. Students complete independent projects each semester

### **HONORS MODERN WORLD STUDIES a & b**

**VIBE Only**

**Two terms      Grades 10, 11, 12      Elective**

**Prerequisites: World History, middle school World History (or equivalent), success in previous social studies course, and teacher/school counselor recommendation**

In this advanced course, students investigate the history of the world from approximately 1870 to the present. They begin with an analysis of events leading up to 1914, including the Second Industrial Revolution and the imperialism that accompanied it. Their focus then shifts to the contemporary era, including two world wars, the Great Depression, and global Cold War tensions. Students undertake an in-depth examination of both the staggering problems and astounding accomplishments of the twentieth century, with a focus on political and social history. Students also explore advanced topics in physical and human geography, and investigate issues of concern in the contemporary world. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting research. Students complete independent projects each semester.

### **HONORS U.S. HISTORY a & b**

**VIBE Only**

**Two terms      Grades 9, 10, 11, 12      Elective**

**Prerequisites: World History or Modern World Studies (or equivalents), success in previous history course, and teacher/school counselor recommendation**

This course is a challenging full-year survey that provides students with a comprehensive view of American history from the first migrations of nomadic people to North America to recent events. Readings are drawn from *The American Odyssey: A History of the United States*. Online lessons help students organize their study, explore topics in depth, review in preparation for assessments, and practice advanced skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research. Students complete independent projects each semester.

### **HONORS WORLD HISTORY a & b**

**VIBE Only**

**Two terms      Grades 9, 10, 11, 12      Elective**

**Prerequisites: Middle school American History Since 1865, American History B, World History A or World History B (or equivalents), and teacher/school counselor recommendation**

In this challenging survey of world history from prehistoric to modern times, students focus in-depth on the developments and events that have shaped civilization across time. The course is organized chronologically and, within broad eras, regionally. Lessons address developments in religion, philosophy, the arts, science and technology, and political history. The course also introduces geography concepts and skills within the context of the historical narrative. Online lessons and assessments complement *World History: Our Human Story*. Students are challenged to consider topics in depth as they analyze primary sources and maps, create timelines, and complete other projects—practicing advanced historical thinking and writing skills as they explore the broad themes and big ideas of human history. Students complete an independent honors project each semester.

### **AP FRENCH LANGUAGE AND CULTURE a & b**

**VIBE Only**

**Two Terms      Grades 11, 12      Elective**

**Prerequisites: Strong success in French 3, or success in French 4 (or equivalents), and teacher/ school counselor recommendation**

The AP French Language and Culture course is an advanced language course that prepares students for the AP French Language and Culture Exam. It uses as its foundation the three modes of communication: interpersonal, interpretive, and presentational. The course is conducted almost exclusively in French, and is based on the six themes required by the College Board: (1) global challenges, (2) science and technology, (3) contemporary life, (4) personal and public identities, (5) families and communities, and (6) beauty and aesthetics. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students should expect to listen to, read, and understand a wide variety of authentic French-language materials and sources; demonstrate proficiency in interpersonal, interpretive, and presentational communication using French; gain knowledge and understanding of the cultures of the Francophone world; use French to connect with other disciplines and expand knowledge in a wide variety of contexts; develop insight into the nature of the French

language and its culture; and use French to participate in communities at home and around the world. The AP French Language and Culture course is a college-level course. The intensity, quality, and amount of course material can be compared to that of a third-year college course.

### **AP SPANISH LANGUAGE AND CULTURE a & b**

**VIBE Only**

**Two terms      Grades 11, 12      Elective**

**Prerequisites: Strong success in Spanish 3, or success in Spanish 4 (or equivalents), and teacher/school counselor recommendation**

The AP Spanish Language and Culture course is an advanced language course in which students are directly prepared for the AP Spanish Language and Culture Exam. It uses as its foundation the three modes of communication: interpersonal, interpretive, and presentational. The course is conducted almost exclusively in Spanish, and is based on the six themes required by the College Board: (1) global challenges, (2) science and technology, (3) contemporary life, (4) personal and public identities, (5) families and communities, and (6) beauty and aesthetics. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. Students should expect to listen to, read, and understand a wide variety of authentic Spanish-language materials and sources; demonstrate proficiency in interpersonal, interpretive, and presentational communication using Spanish; gain knowledge and understanding of the cultures of Spanish speaking areas of the world; use Spanish to connect with other disciplines and expand knowledge in a wide variety of contexts; develop insight into the nature of the Spanish language and its culture; and use Spanish to participate in communities at home and around the world. The AP Spanish Language and Culture course is a college-level course. The intensity, quality, and amount of course material can be compared to that of a third-year college course.

### **AP Art History**

**VIBE Only**

**Two terms      Grades 10, 11, 12      Elective**

**Prerequisites: Teacher/school counselor recommendation**

AP Art History is an introduction to major works of art and the concepts needed to understand them. This online course fosters in-depth, holistic understanding of the history of art from a global perspective, and builds understanding of the place of art within broader historical, cultural, religious, and political frameworks. The functions and effects of art are the main focus. This AP Art History course is designed to be equivalent with a two-semester introductory college- or university-level art history survey course. It meets guidelines outlined in the College Board's AP Art History Course and Exam Description and incorporates the most recent changes required of course content in preparation for the AP Art History Exam.

To be admitted to the University of Minnesota-Twin Cities, all applicants are expected to have completed, at a minimum, the following high school course preparation requirements:

- Four years of English, with emphasis on writing, including instruction in reading and speaking skills and in literary understanding and appreciation;
- Four years of math, including two years of algebra and one of geometry;
- Three years of science, including one year each of a biological and physical science and one year of laboratory experience;
- Three years of social studies, including one year each of U.S. history and geography (or a combination of courses incorporating geographic studies, i.e. world history, western civilization, etc.)
- One year of visual and/or performing arts, including instruction in the history and interpretation of the art form (e.g. theater arts, music, band, chorus, orchestra, drawing, painting, photography, graphic design, etc.)
- Two years of a second language.

The Carlson School of Management, the College of Biological Science and the Institute of Technology all require 4 years of math and 3 years of science which includes 1 year each of Biology, Chemistry and Physics.

Because admission to the University is competitive, students are strongly encouraged to exceed the core requirements to enhance their chances of admission.

Applicants who do not complete the high school course requirements may sometimes be admitted. If they have promising academic records and meet other entrance requirements, but they must make up any deficiencies before graduating from the University.

Other schools in the University of Minnesota system (Crookston, Duluth, Morris) have similar requirements. Please contact the school's admission's office for specific requirements. Students planning to attend any post-secondary institution should contact the selected college or university to identify needed requirements.

Admission requirements at Minnesota private colleges and universities vary from school to school but are usually similar to the requirements for the Minnesota State University and the University of Minnesota systems. Contact the individual college or university for specific requirements. For example, some colleges and universities require 2 years of Foreign Language credits for admission.

In order to enroll in a school in the Minnesota State University system (i.e. Bemidji, Mankato, Metropolitan, Moorhead, St. Cloud, Southwest State), a student needs to establish proficiency in certain required curricular areas by completing the following high school course work:

- Four years of English, including composition and literature
- Three years of social studies, including one year each of U.S. history and geography (or a combination of courses incorporating geographic studies, e.g. world history, western civilization, etc.);
- Three years of math, including two years of algebra and one of geometry;
- Three years of science, including one year each of a biological and physical science and one year of laboratory experience;
- One year in an area of the arts
- Two years of a second language.

Students who do not complete the above curricular requirements may demonstrate sufficient background and knowledge through successfully passing placement exams or through a predetermined level of performance in the subject portion of the ACT. A student may be admitted to a state university without the above requirements but required to make up course work in the subject area.





## TEST SCORES

When a student registers for the SAT or ACT, he or she can use the NCAA Eligibility Center code of 9999 so his or her scores are sent directly to the NCAA Eligibility Center from the testing agency. Test scores on transcripts will NOT be used in his or her academic certification. A combined SAT score is calculated by adding reading and math subscores. An ACT sum score is calculated by adding English, math reading and science subscores. A student may take the SAT or ACT an unlimited number of times before he or she enrolls full time in college. If a student takes either test more than once, the best subscore from each test are used for the academic certification process. If you took the SAT in March 2016 or after, and plan to attend an NCAA Division I college or university in the 2018-19 or 2019-20 academic years, use the following charts to understand the core-course GPA you need to meet NCAA Division I requirements. For more information on the SAT, visit the College Board's website.



## TEST SCORES

If you took the SAT in March 2016 or after, and plan to attend an NCAA Division II college or university in the 2018-19 or 2019-20 academic years, use the following charts to understand the core-course GPA you need to meet NCAA Division II requirements. A combined SAT score is calculated by adding reading and math subscores. An ACT sum score is calculated by adding English, math, reading and science subscores. You may take the SAT or ACT an unlimited number of times before you enroll full time in college. If you take either test more than once, the best subscores from each test are used for the academic certification process. For more information on the SAT, visit the College Board's website.

## DIVISION III

Contact your Division III college regarding its policies on financial aid, practice and competition.

These academic rules will be used to determine whether you may participate in sports during your first year in college. These rules are not a guide for your admission to college. Each NCAA member institution has its own admission requirements. Remember, meeting the NCAA academic rules does not guarantee your admission into a college. You must still apply for admission.

### **CORE COURSE DEFINITION**

A course must:

- Be an academic course in one or a combination of these areas: English, mathematics, natural/physical science, social science, foreign language, nondoctrinal religion or philosophy;
- Be four-year college preparatory; and
- Be at or above your high-school's regular academic level (no remedial, special education or compensatory courses).

Not all classes you take to meet high-school graduation requirements may be used as core courses.

Check your high school's list of approved core courses at the NCAA Eligibility Center website at [www.eligibilitycenter.org](http://www.eligibilitycenter.org) or ask your counselor.

### **GRADE POINT AVERAGE**

How Your Core-Course Grade Point Average is Calculated

The NCAA Eligibility Center will calculate the grade point average of your core courses on a 4.000 scale. The best grades from your NCAA core courses will be used. Grades from additional core courses you took will be used only if they improve your grade point average.

The NCAA Eligibility Center will assign the following values to each letter grade: A=4 points; B=3 points; C=2 points; D=1 point

### **Special High School Grades and Grade Point Average**

If your high school uses number grades (like 92 or 93), those grades will be changed to your high school's letter grades (like A or B). See your high-school's grading scale at [www.eligibilitycenter.org](http://www.eligibilitycenter.org). If your high school uses plus and minus grades (like A+ or B-), the plus or minus will not be used to calculate your core-course grade point average.

## NCAA Information

The NCAA has approved the following courses for use in establishing the initial-eligibility certification status of student-athletes from this school. NCAA legislation permits a student to receive credit for a core course only one time. As a result, if a student repeats a core course, the student will only receive credit once for the core course, and the highest grade earned in the course will be included in the calculation of the student's core course grade point average. Likewise, if a student completes a course that is duplicative in content with another core course, the student will only receive credit for one of the duplicative courses, and the course with the highest grade earned will be included in the calculation of the student's core course grade point average.

**IMPORTANT NOTICE:** The NCAA has adopted a new standard for initial-eligibility. Computer science courses cannot be used to fulfill core course requirements for student-athletes first entering a collegiate institution on or after August 1, 2005.

### **APPROVED COURSES**

#### **ENGLISH**

American Authors 1  
American Authors 1- Honors  
American Authors 2  
American Authors 2-Honors  
American Lit I  
American Lit 2  
AP Language  
AP Literature  
Asian American Lit  
British Literature-Honors  
Comp/Lit 10  
Creative Writing  
Debate  
Dystopian Fiction  
Freshman Composition  
Freshman Literature  
Hispanic American Literature  
Mythology  
Sophomore Communications  
Sophomore Communications-Honors  
Sophomore Comp Lit  
Sophomore Comp Lit-Honors  
World Literature

#### **MATHEMATICS**

Accelerated Geometry  
Algebra 1  
Algebra 2  
Algebra 3  
AP Statistics A/B  
Calculus / AP  
Geometry  
Geometry I  
Geometry II  
Pre-Calc I  
Pre-Calc II  
Pre-Calculus

#### **NATURAL SCIENCE**

AP Chemistry A/B  
AP Physics  
Astronomy

Biology A/B  
Biology / AP  
Chemistry I  
Chemistry I/CB  
Chemistry II / CB  
Chemistry III/CB  
Conceptual Physics  
Forensic Science  
Genetics  
Honors Chemistry  
Human Anatomy  
Meteorology  
Physical Science 1  
Physical Science 2  
Physical Science  
Physical Science Honors A/B  
Physics I & Physics II  
Principles of Biology A/B

#### **SOCIAL SCIENCE**

American Economics  
AP Human Geography  
AP Psychology  
AP US History  
AP World History  
Geography  
Government  
Sociology  
US History A  
US History B  
World History A  
World History B

#### **WORLD LANGUAGES**

German 1  
German 2  
German 3  
German 4  
Spanish 1  
Spanish 2  
Spanish 3  
Spanish 4  
Spanish for Spanish Speakers

## FREQUENTLY ASKED QUESTIONS REGARDING NCAA INITIAL-ELIGIBILITY

- How do I know which courses are core courses?
  - You may view your high school's list of NCAA approved core courses at [www.eligibilitycenter.org](http://www.eligibilitycenter.org). (On the NCAA College-Bound Student Athletic link of that website, select Resources, click on U.S. Students, click on List of NCAA Courses, search by school name and state Or, you can ask your high school counselor for the list.
- May courses taken in eighth grade satisfy core course requirements?
  - No. Courses taken in eighth grade will not satisfy core course requirements.
- What is the lowest grade that will be used for a course to count as a core course?
  - The lowest grade is D.
- Can weighted grades for honors or advanced placement courses be factored into the calculation of the student's core grade point average?
  - A school's normal practice of weighting honors or advanced courses may be used to compute the quality points awarded in those courses and the cumulative grade-point average, provided a written statement verifying the grading policy accompanies the student's official transcript.
- What options are available to students who do not meet the NCAA initial-eligibility standards?
  - Students who do not meet the initial eligibility standards may be granted a waiver of their deficiency through an NCAA initial eligibility waiver. NCAA academic committees are vested with the authority to authorize waivers of the initial eligibility requirements based on objective evidence that demonstrates circumstances in which a student's overall academic record warrants the waiver of the normal application of the legislation. The waiver must be filed by an NCAA institution (college or university) on behalf of the student. However, students with a diagnosed learning disability may file a waiver on their own behalf.
- May students use courses taken after high school graduation?
  - Students enrolling in a Division I institution may not use courses taken after high school graduation to meet the NCAA core-curriculum requirements. Students enrolling in Division II institutions and students with learning disabilities (enrolling in either Division I or II) may use core courses taken after high school graduation to meet the NCAA core curriculum requirements, provided the courses are completed prior to full-time enrollment in a college or university.
- When should a student register with the NCAA Initial Eligibility Clearinghouse?
  - Students should register with the clearinghouse the beginning of their junior year in high school. At the end of the junior year, a sixth semester transcript should be sent to the NCAA Eligibility Center from the high school. Students will then receive a preliminary evaluation in the fall of their senior year.
- Can approved learning-disabled courses be used by a student with a diagnosed learning disability?
  - Students with appropriately diagnosed learning disabilities may use learning disabled courses for the purposes of meeting NCAA core course requirements. Courses for students with learning disabilities must appear on the high school's list of Approved Core Courses (formerly Form 48-H) in order for a student to receive NCAA credit for the course. In order to use such courses toward a student's core course requirements, students must document their learning disability with the NCAA by submitting documentation supporting the learning disability.

NOTE: This is not a complete list of NCAA regulations regarding initial eligibility. Please call or write the NCAA if you have specific questions. NCAA Eligibility Center, PO Box 7110, Indianapolis, IN 46207, 877-262-1492.