



INDIANA
virtual academy

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CTE

Personal Financial Responsibility

How do our personal financial habits affect our financial future? How can we make smart decisions with our money in the areas of saving, spending, and investing? This course introduces students to basic financial habits such as setting financial goals, budgeting, and creating financial plans. Students will learn more about topics such as taxation, financial institutions, credit, and money management. The course also addresses how occupations and educational choices can influence personal financial planning, and how individuals can protect themselves from identity theft. This is a one semester course.

Preparing for College and Careers 1a

Students will get the opportunity to explore careers in a variety of fields and disciplines and understand the necessary skills and education needed to choose a future path. Students will discover careers including business and finance, manufacturing, engineering, and many more! Detailed information on the required education and training options for each are included. Have your students begin gathering information for their journey down a career path today! In this course students will create a career plan that includes high school coursework and college classes or vocational training.

Preparing for College and Careers 1b

Imagine that it's 20 years from now. What career do you see yourself in? What do you imagine that you'll be doing? Will you be fighting forest fires or engineering the next rocket into space? With all the careers available, it can be difficult to narrow them down. In Middle School Career Explorations 2 we'll explore more careers and what it takes to succeed. You'll learn more about what steps are needed to prepare for your career and how to compare the pros and cons of different career choices. Finally, you'll get the chance to try out parts of different careers to see if you're a perfect fit! Students will build workplace skills including leadership skills, organizational skills, and interpersonal skills as well as investigate options for further study and training.

CTE – Business Career Cluster Courses

Intro to Entrepreneurship 1a

What does it really take to own your own business? Does the sound of being your own boss make you feel excited or anxious? Either way, Entrepreneurship: Starting Your Business will get you started in the right direction. This course explains the ins and outs of such an enterprise, giving you the confidence needed to be your very own boss. You will discover what is needed to operate a personal business from creating a plan, generating financing, and pricing products to marketing services and managing employees as well as information on accounting basics and regulation/global concerns. If you've ever dreamed of being a true entrepreneur but feel daunted by the prospect, this is your chance to learn all you need to know.

Intro to Entrepreneurship 1b

What does it really take to own your own business? Does the sound of being your own boss make you feel excited or anxious? Either way, Entrepreneurship: Starting Your Business will get you started in the right direction. This course explains the ins and outs of such an enterprise, giving you the confidence needed to be your very own boss. This course builds off of the first semester. You will discover what is needed to operate a personal business from creating a plan, generating financing, acquisition and retention of customers, and pricing products to marketing services and managing employees. If you've ever dreamed of being a true entrepreneur but feel daunted by the prospect, this is your chance to learn all you need to know.

Principles of Business Management 1a

Students will build their career skills and strengthen their knowledge of business information management by exploring types of businesses and the elements of business planning. Learning about the initial requirements to start a business, students will then examine business finances, marketing, sales, and the importance of customer service. Computer hardware, networks, and the internet are discussed as well as the basics of web design. Lastly students will explore ethics and business law, giving each learner an opportunity to discover their passion for business.

Principles of Business Management 1b

Building on the first semester course, you will become more familiar with the application of information management in business. You will learn about professional conduct, team work, and managerial skills while also examining careers in business technology. The basics of word processing, spreadsheets, databases, and presentation software are explored while you become comfortable operating each of these programs. Finally, the future of business technology is discussed, providing you a foundation in business information management.

CTE – FACS Career Cluster Courses

Adult Roles

This is a one semester course. What do you want out of life? How do you achieve your dreams for the future? These can be difficult questions to answer, but with the right tools, they don't have to be. This course will encourage you to learn more about yourself and help you to prepare for the future. You will explore goal setting, decision making, and surviving college and career. You will also discover how to become a valuable contributing member of society. Now is the time to take action. It's your life, make it count!

- Explore how to start on the right career path.
- Investigate how to plan for relationship and personal goals.
- Learn how to manage money and plan for a successful future.
- Find tools to balance your health and wellness and lead a happier life.

Nutrition and Wellness

This is a one semester course. Keeping our physical body healthy and happy is just one of the many challenges we face, and yet, many of us don't know how to best achieve it. Positive decisions around diet and food preparation are key to this process, and you will find the essential skills needed to pursue a healthy, informed lifestyle in Nutrition and Wellness. Making sure you know how to locate, buy, and prepare fresh delicious food will make you, and your body, feel amazing. Impressing your friends and family as you nourish them with your knowledge? That feels even better!

- Discover how to improve your nutrition and wellness.
- Use new strategies to get the best food to fuel your body.
- Create delicious dishes for your family and friends.
- Create safe eating, cooking, and cleaning habits in the kitchen.

Child Development

This is a one semester course that provides a thorough examination of child development from conception, infancy, and toddlerhood through preschool and school age children. Physical, cognitive, emotional and social development will be studied throughout each of these stages. The role of a positive and involved caregiver in the life of a growing child is emphasized throughout the course, as well as guides for safety and best practices. Additional topics include parenting and guiding behavior, family planning, healthy pregnancy, genetic disorders, and children with special needs. Career options that involve working with children are also explored in this course.

Early Childhood Education 1a

Use your curiosity to explore the fundamentals of childcare, like nutrition and safety, but also the complex relationships caregivers have with parents and their children. Examine the various life stages of child development and the best educational practices to enrich their minds while thinking about a possible future as a childcare provider!

- Discussion about the appropriate security for the child-care home or center
- Learn about the typical stages of development from infancy through the school years
- Understand the ways that inclusive classrooms function for pre-school and school-aged children
- A snapshot of the daily life and responsibility of an early childhood entrepreneur

Early Childhood Education 1a

Building on the previous first semester course, discover the joys of providing exceptional childcare and helping to develop future generations. Learn the importance of play and use it to build engaging educational activities that build literacy and math skills through each stage of childhood and special need. Use this knowledge to develop your professional skills well suited to a career in childcare!

- Write a personal and professional plan for your goals and development
- Create an age-appropriate lesson plan with activities
- Fun activities in each unit to help you apply what you have learned
- Develop a deeper understanding of human development

Interpersonal Relationships

In this one semester course, students examine the family unit and characteristics of healthy and unhealthy relationships at different phases of life— including information on self-discovery, family, friendships, dating and abstinence, marriage, pregnancy, and parenthood. Students learn about the life cycle and the different stages of development from infancy to adulthood. They also focus on a variety of skills to improve relationships and family living, including coping skills, communication skills, refusal skills, babysitting, parenting, and healthy living and disease prevention habits.

CTE – Health Science Career Cluster Courses

Anatomy & Physiology

Increase your students understanding about the form and function of the human body! Starting with the relationship between anatomy and physiology, students will then learn about cell structure and their processes. Learners will also discover the functions and purposes of the skeletal, muscular, nervous, and cardiovascular systems, as well as diseases that affect those systems. Focusing on terminology, this course is essential to students pursuing the health sciences or wanting to gain a greater sense of how the human body works.

- Describe a location on the body succinctly and clearly.
- Discuss careers related to anatomy and physiology.
- Explain what happens when things go wrong in the body.
- Tell the story of how complex systems work and interact with other organ systems to keep our bodies running smoothly.

CTE – IT Career Cluster Courses

Digital Applications and Responsibility

Discover your talent for building digital media applications using text, graphics, animations, sounds, videos, and more! Learn about the elements that make impressive media, such as typography, color theory, design, and manipulation. Explore careers to apply your digital media skills and find your place in this fast-paced and exciting field! In this course you will:

- Use graphic editing software to create and edit images for publications and presentations
- Create animations for use in websites and multimedia productions
- Produce storyboards, and playable rough cuts
- Use video editing software to produce a slideshow or movie

CTE – STEM Career Cluster Courses

Intro to Computer Science 1a

Develop your students' understanding and proficiency of computers! Students will learn about computer hardware, Von Neumann architecture, peripherals, and maintenance as well as data management and storage options. Learners will trace the history of operating systems and application software while also exploring network systems, administration, and troubleshooting. Finally, students will dive into word processing, spreadsheets, and databases to cement their knowledge of information technology!

- Learn how to interact effectively with computers at work and at home.
- Harness the power of word processing, spreadsheets, and databases.
- Discover which advanced courses will help you achieve your goals.
- Explore IT careers to find out which ones suit your interests and abilities.

Intro to Computer Science 1b

Building on the prior first semester course, you will gain further knowledge of information technology. Starting with an overview of programming, algorithms, and compilers, students will then learn the basics of webpage design and creating graphics. You will also explore security and cybercrime, emerging technologies, presentation software, and intellectual property laws. Finally, you will prepare for the future by discovering various careers in this field and planning your education!

- Learn advanced design skills that will make your webpages and presentations really pop.
- Master important tips for keeping data safe on your devices and on the Internet.
- Enhance your soft skills to resolve conflicts with coworkers.
- Use your computer skills to make a positive impact in your community.

ENGLISH

English 9a

This is the first semester of English 9. What can you see? Somebody (your teacher) really wants to know. This is one course in which what you see and what you say really matters. No two people experience books, plays, or community events in exactly the same way, and no two people describe their experiences with the same words. How clearly can you see what is happening before you? How compellingly can you describe what you saw to others? In this course, you will find out. Great books, short stories, poems and plays convey messages and feelings that make them great. In this course, you will learn how to look for the message. You will learn how to trust your feelings about that message. And you will learn how to express clearly and convincingly what you think. The purpose of this course is to give you the tools to see and hear with real understanding, and to communicate with real conviction.

English 9b

This is the second semester of English 9. What can you see? Somebody (your teacher) really wants to know. This is one course in which what you see and what you say really matters. No two people experience books, plays, or community events in exactly the same way, and no two people describe their experiences with the same words. How clearly can you see what is happening before you? How compellingly can you describe what you saw to others? In this course, you will find out. Great books, short stories, poems and plays convey messages and feelings that make them great. In this course, you will learn how to look for the message. You will learn how to trust your feelings about that message. And you will learn how to express clearly and convincingly what you think. The purpose of this course is to give you the tools to see and hear with real understanding, and to communicate with real conviction.

English 10a

This is the first semester of English 10. In English 10, students learn how the human experience—real life—is the foundation of the best stories, plays, poems, films, and articles. In each unit of the course, students explore a specific aspect of the human experience such as laughter, obstacles, betrayal, fear, and transformation. Through the study of literature, nonfiction, and life, students explore what it means to be human, what it means to be fulfilled, triumphant, empowered, and transformed. As in life, students have many choices in the English II course. They choose the order in which they complete the units. Students also choose some of the works they read and have countless choices when it comes to demonstrating what they have learned. Whether reading a poem or a novel, writing a story or an analysis, or studying a Shakespearean tragedy or a modern suspense film, students explore what it means to be human, a subject on which they are already experts!

English 10b

This is the second semester of English 10. In English 10, students learn how the human experience—real life—is the foundation of the best stories, plays, poems, films, and articles. In each unit of the course, students explore a specific aspect of the human experience such as laughter, obstacles, betrayal, fear, and transformation. Through the study of literature, nonfiction, and life, students explore what it means to be human, what it means to be fulfilled, triumphant, empowered, and transformed. As in life, students have many choices in the English II course. They choose the order in which they complete the units. Students also choose some of the works they read and have countless choices when it comes to demonstrating what they have learned. Whether reading a poem or a novel, writing a story or an analysis, or studying a Shakespearean tragedy or a modern suspense film, students explore what it means to be human, a subject on which they are already experts!

English 11a

This is the first semester of English 11. “Extra, extra, read all about it!” It’s all right here in black and white, in the pages of The Virtual Times newspaper. Published at key periods in our American history, The Virtual Times takes us right into the action. The writing is clear and concise. The stories and opinions give us perspective. The sports and entertainment sections give us the color and flavor of the times. In English 11, the writing and insights of authors throughout our history are collected in the fast-paced pages of The Virtual Times. You’ll gain an appreciation of American literature and the ways it reflects the times in which it was written. You’ll discover how people thought and lived and wrote about their experiences. You’ll also be asked to observe, investigate and report on stories of today. The goal is to be thorough, accurate and compelling in your writing. Perhaps in times to come, people will want to read what you thought and wrote.

English 11b

This is the second semester of English 11. “Extra, extra, read all about it!” It’s all right here in black and white, in the pages of The Virtual Times newspaper. Published at key periods in our American history, The Virtual Times takes us right into the action. The writing is clear and concise. The stories and opinions give us perspective. The sports and entertainment sections give us the color and flavor of the times. In English 11, the writing and insights of authors throughout our history are collected in the fast-paced pages of The Virtual Times. You’ll gain an appreciation of American literature and the ways it reflects the times in which it was written. You’ll discover how people thought and lived and wrote about their experiences. You’ll also be asked to observe, investigate and report on stories of today. The goal is to be thorough, accurate and compelling in your writing. Perhaps in times to come, people will want to read what you thought and wrote.

English 12a

This is the first semester of English 12. Come explore the world of big ideas in English IV, where you are able to choose which path you will travel first as you explore highly-engaging, thematic units. Each path will guide you through a series of literary pieces that allow you to analyze the political, social, economic, and cultural messages of its time as well as its relevance to the world you live in today. Each path revolves around a central theme. The works in the course span a period of over 1000 years and have been written by authors who share common ideas, but employ a variety of literary genres to express their views. Whether it is the dramatic ending of a play, or the colorful images in a verse of poetry, the words of these authors will leave you with a new understanding of the world around you. As you travel down each path, you will create authentic work pieces that will engage you in higher-level learning and provide you with a greater understanding of literature and its connection to the world.

English 12b

This is the second semester of English 12. Come explore the world of big ideas in English IV, where you are able to choose which path you will travel first as you explore highly-engaging, thematic units. Each path will guide you through a series of literary pieces that allow you to analyze the political, social, economic, and cultural messages of its time as well as its relevance to the world you live in today. Each path revolves around a central theme. The works in the course span a period of over 1000 years and have been written by authors who share common ideas, but employ a variety of literary genres to express their views. Whether it is the dramatic ending of a play, or the colorful images in a verse of poetry, the words of these authors will leave you with a new understanding of the world around you. As you travel down each path, you will create authentic work pieces that will engage you in higher-level learning and provide you with a greater understanding of literature and its connection to the world.

ENGLISH ELECTIVES

Creative Writing

For many hundreds of years, literature has been one of the most important human art forms. It allows us to give voice to our emotions, create imaginary worlds, express ideas, and escape the confines of material reality. Through creative writing, we can come to understand ourselves and our world a little bit better. This course provides students with a solid grounding in the writing process, from finding inspiration to building a basic story to using complicated literary techniques and creating strange hybrid forms of poetic prose and prose poetry. By the end of this course, students will learn how to discover their creative thoughts and turn those ideas into fully realized pieces of creative writing. This is a one semester course.

Speech

The art of public speaking is one which underpins the very foundations of Western society. This course examines those foundations in both Aristotle and Cicero's views of rhetoric, and then traces those foundations into the modern world. Students will learn not just the theory, but also the practice of effective public speaking, including how to analyze the speeches of others, build a strong argument, and speak with confidence and flair. By the end of this course, students will know exactly what makes a truly successful speech and will be able to put that knowledge to practical use. This is a one semester course.

FINE ARTS

Music History and Appreciation

Music is part of everyday lives and reflects the spirit of our human condition. To know and understand music, we distinguish and identify cultures on local and global levels. This course will provide students with an aesthetic and historical perspective of music, covering a variety of styles and developments from the Middle Ages through the Twentieth First Century. Students will acquire basic knowledge and listening skills, making future music experiences more informed and satisfying. This is a one semester course.

Photography 1a

Have you ever wondered how photographers take such great pictures? Have you tried to take photographs and wondered why they didn't seem to capture that moment that you saw with your eyes? The first semester of Digital Photography focuses on the basics of photography, including building an understanding of aperture, shutter speed, lighting, and composition. Students will be introduced to the history of photography and basic camera functions. Students will use the basic techniques of composition and camera functions to build a portfolio of images, capturing people, landscapes, close-up, and action photographs.

Photography 1b

In today's world, photographs are all around us, including in advertisements, on websites, and hung on our walls as art. Many of the images that we see have been created by professional photographers. In this second semester course, we will examine various aspects of professional photography, including the ethics of the profession, and examine some of the areas that professional photographers may choose to specialize in, such as wedding photography and product photography. We will also learn more about some of the most respected professional photographers in history and we will learn how to critique photographs in order to better understand what creates an eye catching photograph.

FOREIGN LANGUAGE

American Sign Language 1a

American Sign Language 1a: Introduction will introduce you to vocabulary and simple sentences, so that you can start communicating right away. Importantly, you will explore Deaf culture – social beliefs, traditions, history, values and communities influenced by deafness.

- Discover the vibrant Deaf community and all that it has to offer.
- Develop an appreciation for American Sign Language as its own, unique language.
- Consider the history and influence of Deaf culture.
- Learn the various elements of a sign, the alphabet and basic words to get up and signing right away.

American Sign Language 1b

American Sign Language 1b: Learn to Sign will introduce you to more of this language and its grammatical structures. You will expand your vocabulary by exploring interesting topics like Deaf education and Deaf arts and culture.

- Understand the past and present options for Deaf education.
- Emerge yourself in Deaf culture.
- Learn about the many ASL career opportunities.
- Acquire hundreds of signs as you explore the exciting world of American Sign Language.

American Sign Language 2a

Emphasis in this course is placed upon comprehension and signing. Learners will also continue to establish their communication skills and foster their understanding of deaf culture. In addition to learning classifiers, glossing, and mouth morphemes, students will explore vocabulary for descriptions, directions, shopping, making purchases, and dealing with emergencies.

- Gain additional vocabulary and confidence while taking your knowledge of ASL to the next level.
- Communicate about everyday routines and activities.
- Explore how expressions can enhance signs and lend dimension to conversations.
- Dive deeper into the Deaf community and discover how culture impacts languages.

American Sign Language 2b

Building upon the prior first semester course, students will increase their proficiency by learning about sequencing, transitions, role-shifts, and future tenses. Students will learn how to tell a story and ask questions, benefiting with greater exposure to deaf culture. Speed, conversations, signing skills, and cultural awareness are characteristic of this course.

- Plunge further into Deaf history and culture.
- Explore the world of ASL literature.
- Create your own unique ASL poems and stories.
- Build upon previously acquired vocabulary.

French 1a

This is the first semester of French 1. Bienvenue! Welcome! Come and join various native French speakers as they give students a lively introduction to the language and its rich culture. Join them in their everyday environment as they take students through different daily scenarios and give them the necessary skills to read, write, and speak French. In this first semester course, students learn the basic French language. After one semester, students will be able to engage in conversation in French including greeting people, introducing themselves, and exchanging basic information with others. Students learn to count from one to 1,000 and make simple sentences in both spoken and written French. Students continue to develop their French skills in semester two. New words and phrases are introduced with pictures, audio clips, and examples. Students learn basic French grammar to help them build fluency and understand the structure of the French language. Students have many opportunities to practice what they learn through interactive practice activities in the form of games, written practice, and listening and speaking exercises. Students also explore the cultures of France, Canada, and other French-speaking regions by learning about geography, foods, celebrations, and traditions from each place. Bon Voyage! Enjoy the trip!

French 1b

This is the second semester of French 1. Bienvenue! Welcome! Come and join various native French speakers as they give students a lively introduction to the language and its rich culture. Join them in their everyday environment as they take students through different daily scenarios and give them the necessary skills to read, write, and speak French. In this second semester course, students learn the basic French language. After one semester, students will be able to engage in conversation in French including greeting people, introducing themselves, and exchanging basic information with others. Students learn to count from one to 1,000 and make simple sentences in both spoken and written French. Students continue to develop their French skills in semester two. New words and phrases are introduced with pictures, audio clips, and examples. Students learn basic French grammar to help them build fluency and understand the structure of the French language. Students have many opportunities to practice what they learn through interactive practice activities in the form of games, written practice, and listening and speaking exercises. Students also explore the cultures of France, Canada, and other French-speaking regions by learning about geography, foods, celebrations, and traditions from each place. Bon Voyage! Enjoy the trip!

French 2a

This is the first semester of French 2. Salut! Get set for some more adventure! In French II, students are immersed in the French language and culture. This first semester course is full of engaging and interactive videos, dialogs, presentations, self-checks, and much more! The purpose of this course is to further develop the French communicative skills of listening, speaking, reading and writing. In French II, students will broaden their French vocabulary and knowledge of grammar. Students will also experience the beauty and expressiveness of a language that is shared by different people and cultures throughout the world.

French 2b

This is the second semester of French 2. Salut! Get set for some more adventure! In French II, students are immersed in the French language and culture. This second semester course is full of engaging and interactive videos, dialogs, presentations, self-checks, and much more! The purpose of this course is to further develop the French communicative skills of listening, speaking, reading and writing. In French II, students will broaden their French vocabulary and knowledge of grammar. Students will also experience the beauty and expressiveness of a language that is shared by different people and cultures throughout the world.

Spanish 1a

This is the first semester of Spanish 1. ¡Bienvenidos! Welcome! Students are taking a virtual trip to Spain, Cuba, Colombia, and Argentina. As students explore each country, a student blogger is there to help them learn about the place and its unique characteristics. As students travel to each country, they learn how to speak Spanish in many practical and useful ways. Students learn how to greet people, introduce themselves, and speak about their home, family, school, and community. As students learn basic vocabulary and grammar skills, they expand on their knowledge and learn to speak about more complex topics such as shopping, weather, sports, entertainment, and leisure activities. The first semester course introduces new words and phrases with pictures, audio clips, and examples. Students learn basic Spanish grammar to help them build fluency and understand the structure of the Spanish language. There are many opportunities to practice through interactive activities in the form of games, written practice, and listening and speaking exercises. Students also explore the cultures of Spain, Cuba, Colombia, and Argentina by learning about geography, foods, celebrations, and traditions from each place. Student bloggers guide students through these countries and help them appreciate and learn about their diversity.

Spanish 1b

This is the second semester of Spanish 1. ¡Bienvenidos! Welcome! Students are taking a virtual trip to Spain, Cuba, Colombia, and Argentina. As students explore each country, a student blogger is there to help them learn about the place and its unique characteristics. As students travel to each country, they learn how to speak Spanish in many practical and useful ways. Students learn how to greet people, introduce themselves, and speak about their home, family, school, and community. As students learn basic vocabulary and grammar skills, they expand on their knowledge and learn to speak about more complex topics such as shopping, weather, sports, entertainment, and leisure activities. The second semester course introduces new words and phrases with pictures, audio clips, and examples. Students learn basic Spanish grammar to help them build fluency and understand the structure of the Spanish language. There are many opportunities to practice through interactive activities in the form of games, written practice, and listening and speaking exercises. Students also explore the cultures of Spain, Cuba, Colombia, and Argentina by learning about geography, foods, celebrations, and traditions from each place. Student bloggers guide students through these countries and help them appreciate and learn about their diversity.

Spanish 2a

This is the first semester of Spanish 2. Are you ready for some more adventure? In Spanish II, you'll travel through Central America and the Caribbean spending time in museums, traffic jams, and even in the hospital. But don't worry, there's a plane waiting to take you back home at the end of your journey. In this course, you'll broaden your Spanish vocabulary and your knowledge of grammar. You'll meet people from many different countries and cultures. While waiting for your plane ride home, you'll also meet some Spanish-speaking people from different parts of the United States. The purpose of this first semester course is to strengthen your Spanish listening, speaking, reading and writing skills. You'll also experience the beauty and expressiveness of a language that is shared by different people and cultures throughout the world.

Spanish 2b

This is the second semester of Spanish 2. Are you ready for some more adventure? In Spanish II, you'll travel through Central America and the Caribbean spending time in museums, traffic jams, and even in the hospital. But don't worry, there's a plane waiting to take you back home at the end of your journey. In this course, you'll broaden your Spanish vocabulary and your knowledge of grammar. You'll meet people from many different countries and cultures. While waiting for your plane ride home, you'll also meet some Spanish-speaking people from different parts of the United States. The purpose of this second semester course is to strengthen your Spanish listening, speaking, reading and writing skills. You'll also experience the beauty and expressiveness of a language that is shared by different people and cultures throughout the world.

Spanish 3a

This is the first semester of Spanish 3. In Spanish III, students will meet and virtually accompany four teens with Hispanic backgrounds as they learn about and travel to several Spanish-speaking countries. Students have many opportunities to use the Spanish they already know as well as to expand their vocabulary, knowledge of grammar, and experiences with Spanish-speaking countries. The purpose of this first semester course is to provide many experiences where students can use Spanish. Completely immersed in Spanish, students speak, listen, read, write, and collaborate with other students in Spanish this course. They also gain knowledge and perspectives about Spanish-speaking countries and from Spanish-speaking people. Spanish III is a rigorous honors course and is not intended for credit recovery.

Spanish 3b

This is the second semester of Spanish 3. In Spanish III, students will meet and virtually accompany four teens with Hispanic backgrounds as they learn about and travel to several Spanish-speaking countries. Students have many opportunities to use the Spanish they already know as well as to expand their vocabulary, knowledge of grammar, and experiences with Spanish-speaking countries. The purpose of this second semester course is to provide many experiences where students can use Spanish. Completely immersed in Spanish, students speak, listen, read, write, and collaborate with other students in Spanish this course. They also gain knowledge and perspectives about Spanish-speaking countries and from Spanish-speaking people. Spanish III is a rigorous honors course and is not intended for credit recovery.

MATH

Algebra 1a

This is the first semester of Algebra I. Algebra I is the foundation—the skills acquired in this course contain the basic knowledge needed for all future high school math courses. The material covered in this course is important, but everyone can do it. Everyone can have a good time solving the hundreds of real-world problems algebra can help answer. Hands-on labs make the numbers, graphs, and equations more real. The content in this course is tied to real-world applications like sports, travel, business, and health. This course is designed to give students the skills and strategies to solve all kinds of mathematical problems. Students will also acquire the confidence needed to handle everything high school math has in store for them.

Algebra 1b

This is the second semester of Algebra I. Algebra I is the foundation—the skills acquired in this course contain the basic knowledge needed for all future high school math courses. The material covered in this course is important, but everyone can do it. Everyone can have a good time solving the hundreds of real-world problems algebra can help answer. Hands-on labs make the numbers, graphs, and equations more real. The content in this course is tied to real-world applications like sports, travel, business, and health. This course is designed to give students the skills and strategies to solve all kinds of mathematical problems. Students will also acquire the confidence needed to handle everything high school math has in store for them.

Algebra 2a

This is the first semester of Algebra II. Starting with a review of basic algebra, you will learn polynomials, quadratic equations, exponential and logarithmic relations, and probability and statistics.

Algebra 2b

This is the second semester of Algebra II. Starting with a review of basic algebra, you will learn polynomials, quadratic equations, exponential and logarithmic relations, and probability and statistics.

Geometry 1a

This is the first semester of Geometry I. One day in 2580 B.C.E., a very serious architect stood in a dusty desert with a set of plans. His plans called for creating a structure 480 feet tall, with a square base and triangular sides, using stone blocks weighing two tons each. The Pharaoh wanted the job done right. The better this architect understood geometry, the better his chances were for staying alive. Geometry is everywhere, not just in pyramids. Engineers use geometry to build highways and bridges. Artists use geometry to create perspective in their paintings, and mapmakers help travelers find things using the points located on a geometric grid. Throughout this course, students travel a mathematical highway illuminated by spatial relationships, reasoning, connections, and problem solving. Florida public school students are required to take the Florida End of Course (EOC) exam. The EOC replaces the math portion of the FCAT. Local school districts administer the EOC for all students within their school zone. FLVS does not offer the EOC. Students should contact their guidance counselors or school testing administrators for further information.

Geometry 1b

This is the second semester of Geometry I. One day in 2580 B.C.E., a very serious architect stood in a dusty desert with a set of plans. His plans called for creating a structure 480 feet tall, with a square base and triangular sides, using stone blocks weighing two tons each. The Pharaoh wanted the job done right. The better this architect understood geometry, the better his chances were for staying alive. Geometry is everywhere, not just in pyramids. Engineers use geometry to build highways and bridges. Artists use geometry to create perspective in their paintings, and mapmakers help travelers find things using the points located on a geometric grid. Throughout this course, students travel a mathematical highway illuminated by spatial relationships, reasoning, connections, and problem solving. Florida public school students are required to take the Florida End of Course (EOC) exam. The EOC replaces the math portion of the FCAT. Local school districts administer the EOC for all students within their school zone. FLVS does not offer the EOC. Students should contact their guidance counselors or school testing administrators for further information.

Pre-Calculus

This one semester course introduces basic properties and operations of functions. Emphasis is placed on polynomial and rational functions and the relationship between exponential and logarithmic functions. Students will explore polar coordinates, complex numbers, and the geometry of the complex plane. They will study sequences and series, and learn to recognize when series are convergent or divergent. In addition, students will learn to use mathematical induction. Lastly, they will be introduced to the concepts of limits, derivatives, and antiderivatives of the polynomial functions. The use of a graphing calculator is considered an integral part of the course and students will use a graphing calculator throughout this course. Prerequisite: Algebra II and Geometry, or Integrated Math III and Trigonometry.

Trigonometry

This one semester course introduces basic properties and operations of functions. Students identify and sketch families of graphs that include polynomials and functions. They identify the critical points and end behavior of the graphs of polynomial functions and solve problems involving direct, inverse, and joint variation. Students examine trigonometric ratios, solve right triangles, and use the Law of Sines and Cosines to solve other triangles and to find the areas of triangles. This course introduces basic properties and operations of functions. Emphasis is placed on polynomial, rational, and trigonometric functions.

The use of a graphing calculator is considered an integral part of the course and students will use a graphing calculator throughout this course.

Prerequisite: Algebra II and Geometry or Integrated Math III.

SCIENCE

Biology 1a

This first semester Biology course guides students through the study of living and non-living systems and how they interact with one another. Students explore the world they live in by posing questions and seeking answers through scientific inquiry. Discovery takes place through observation and data collection. The students will be introduced to the structure, function, diversity, and evolution of living matter. This is a course with real relevance. It encourages curiosity and provides opportunity for students to work on hands on lab activities and develop relationships through collaboratively learning. Engaging in the study of biological science broadens the picture of the world around us.

Biology 1b

This second semester Biology course guides students through the study of living and non-living systems and how they interact with one another. Students explore the world they live in by posing questions and seeking answers through scientific inquiry. Discovery takes place through observation and data collection. The students will be introduced to the structure, function, diversity, and evolution of living matter. This is a course with real relevance. It encourages curiosity and provides opportunity for students to work on hands on lab activities and develop relationships through collaboratively learning. Engaging in the study of biological science broadens the picture of the world around us.

Chemistry 1a

This first semester course emphasizes the mathematical, theoretical and experimental basis of modern chemistry. Emphasis is placed on the use of theoretical and mathematical concepts to explain and predict chemical behavior. An overview of the significant learning objectives that are presented in this course include Measurement, Atomic Structure, Chemical Bonding, Conservation of Matter, Stoichiometry, Gases, Acids and Bases, Solutions, Chemical Thermodynamics, Reaction Rates, Chemical Equilibrium, Organic Nomenclature, Biochemistry, and Nuclear Chemistry.

Chemistry 1b

This second semester course emphasizes the mathematical, theoretical and experimental basis of modern chemistry. Emphasis is placed on the use of theoretical and mathematical concepts to explain and predict chemical behavior. An overview of the significant learning objectives that are presented in this course include Measurement, Atomic Structure, Chemical Bonding, Conservation of Matter, Stoichiometry, Gases, Acids and Bases, Solutions, Chemical Thermodynamics, Reaction Rates, Chemical Equilibrium, Organic Nomenclature, Biochemistry, and Nuclear Chemistry.

Earth Science 1a

This is the first semester of Earth Science. Be captivated by the wonders and beauty of the third planet from our Sun, Earth. Be amazed by what awaits your discovery within our solar system and beyond. It is your turn to explore the universe. Earth/Space Science is a laboratory course focusing on the study of space, geologic structures and forces, the waters on our planet, and the atmospheric forces that shape our world. Through experimentation and investigation, students will explore the earth cycles including the geosphere, hydrosphere, cryosphere, atmosphere, and the carbon cycle. Students will learn about scientific inquiry, geologic time, space exploration, the solar system, and the universe. Students will use web 2.0 tools, interactive experiences, higher-order thinking, collaborative projects, and real-world application through labs and a variety of assessments. Upon completion of the course, students will have a clear understanding of the dynamic forces at work in the world around them, becoming better caretakers of our planet, Earth.

Earth Science 1b

This is the second semester of Earth Science. Be captivated by the wonders and beauty of the third planet from our Sun, Earth. Be amazed by what awaits your discovery within our solar system and beyond. It is your turn to explore the universe. Earth/Space Science is a laboratory course focusing on the study of space, geologic structures and forces, the waters on our planet, and the atmospheric forces that shape our world. Through experimentation and investigation, students will explore the earth cycles including the geosphere, hydrosphere, cryosphere, atmosphere, and the carbon cycle. Students will learn about scientific inquiry, geologic time, space exploration, the solar system, and the universe. Students will use web 2.0 tools, interactive experiences, higher-order thinking, collaborative projects, and real-world application through labs and a variety of assessments. Upon completion of the course, students will have a clear understanding of the dynamic forces at work in the world around them, becoming better caretakers of our planet, Earth.

Physical Science 1a

Physical science is the introductory course to high school science courses and beyond. Students will expand on their middle school science experiences to prepare them for biology, chemistry and physics. This first semester course will emphasize scientific thinking as a way of understanding the natural phenomenon that surrounds us. In this regard there will be numerous opportunities to dialog with other students about scientific theory and practice. In addition, there will be both simulated and real world laboratory experiences to further expand your scientific horizons. Upon completion of this course students will be conversant in a number of scientific topics, understand how science is used in our daily lives and be comfortable with solving simple algebraic equations that support scientific laws.

Physical Science 1b

Physical science is the introductory course to high school science courses and beyond. Students will expand on their middle school science experiences to prepare them for biology, chemistry and physics. This second semester course will emphasize scientific thinking as a way of understanding the natural phenomenon that surrounds us. In this regard there will be numerous opportunities to dialog with other students about scientific theory and practice. In addition, there will be both simulated and real world laboratory experiences to further expand your scientific horizons. Upon completion of this course students will be conversant in a number of scientific topics, understand how science is used in our daily lives and be comfortable with solving simple algebraic equations that support scientific laws.

Physics 1a

We stand on the shoulders of giants. Whether by observation, experimentation or brilliant insight, the progress of physics through the centuries has been advanced by scientific geniuses who wanted to know how things work. You'll find out for yourself when you take this course and visit "Physics World."

In each "Physics World" module, you'll discover the contributions of geniuses like Galileo, Newton and Einstein. In their work, you'll learn the concepts, theories and laws that govern the interaction of matter, energy and forces. From tiny atoms to galaxies with millions of stars, the universal laws of physics are there for you to observe and apply. Using laboratory activities, videos, software, and websites, you'll follow in the footsteps of some of the world's greatest thinkers.

This is a serious course that will make you think. It will also make you appreciate the beauty and importance of the science that governs our lives. This is a first semester course.

Physics 1b

We stand on the shoulders of giants. Whether by observation, experimentation or brilliant insight, the progress of physics through the centuries has been advanced by scientific geniuses who wanted to know how things work. You'll find out for yourself when you take this course and visit "Physics World."

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SCIENCE ELECTIVES

Forensics 1a

Fingerprints. Blood spatter. DNA analysis. The world of law enforcement is increasingly making use of the techniques and knowledge from the sciences to better understand the crimes that are committed and to catch those individuals responsible for the crimes. Forensic science applies scientific knowledge to the criminal justice system. This first semester course focuses on some of the techniques and practices used by forensic scientists during a crime scene investigation (CSI). Starting with how clues and data are recorded and preserved, the student will follow evidence trails until the CSI goes to trial, examining how various elements of the crime scene are analyzed and processed.

Forensics 1b

Although the crime scene represents the first step in solving crimes through forensic science, the crime laboratory plays a critical role in the analysis of evidence. This second semester course focuses on the analysis of evidence and testing that takes place within this setting. We will examine some of the basic scientific principles and knowledge that guides forensic laboratory processes, such as those testing DNA, toxicology, and material analysis. Techniques such as microscopy, chromatography, odontology, entomology, mineralogy, and spectroscopy will be examined.

SOCIAL STUDIES

Economics

This is a one semester course. Economic decisions affect us every day of our lives. Understanding economics means thinking about how scarcity, or limited resources, requires us to make choices and evaluate one option against others. In this course, students will recognize examples of economics in your daily life. Students will see how the economic choices of larger groups, like businesses and governments, affect students and others. As students progress through the course, students will recognize that the costs and benefits of choices connect individuals and groups around the world. The purpose of this course is to help students become a smart consumer who understands the flow of an economy between individuals, businesses, governments, and the rest of the world.

Psychology

The purpose of this one semester course is to investigate why human beings think and act the way they do. This is an introductory course and will broadly cover several areas. Students will be expected to expand and go further into the topics. Theories and current research will be presented for the student to critically evaluate and understand. Each unit will present the terminology, theories and research that are critical to the understanding of the topic. Assignments and assessments will be included as well as tutorials and interactive drills.

US Government

In this one semester course, you will join six teenagers (called “Insiders”) as they travel to five U.S. cities to collect information about the Constitution, the federal bureaucracy, and the three branches of government. While exploring the country, the “Insiders” also present information on a variety of public policy issues, interview ordinary Americans about their opinions, and offer related Web sites.

US History 1a

This is the first semester of US History. The United States began as an experiment in freedom and democracy. Since its establishment, the country and its people have endured social, political and economic revolutions. In this course, students will investigate the people, events and ideas that have shaped the United States from the end of the Civil War through today. Students are asked to analyze and evaluate decisions made by political, business and military leaders. Emphasis is placed on connections between events of the past and present. This course also gives students the opportunity to conduct research and apply their learning to current, real-world problems.

US History 1b

This is the second semester of US History. The United States began as an experiment in freedom and democracy. Since its establishment, the country and its people have endured social, political and economic revolutions. In this course, students will investigate the people, events and ideas that have shaped the United States from the end of the Civil War through today. Students are asked to analyze and evaluate decisions made by political, business and military leaders. Emphasis is placed on connections between events of the past and present. This course also gives students the opportunity to conduct research and apply their learning to current, real-world problems.

World Geography 1a

We will be exploring the four corners of the earth across the seven seas (well, actually oceans) in our online class of World Geography. You will all become explorers, geologists, cartographers, economist, historians, navigators, and a myriad of other professionals all with one goal in mind, to uncover the mysteries of our world around us. This is a first semester course.

World Geography 1b

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World History and Civilization 1a

This is the first semester of World history. How did we get to where we are today? Join Ali and Soo-jin, our modern time travelers, as they journey through World History to take you on an adventure as you discover the interconnectedness of world events and eras. Grab your passport for the adventure of a lifetime. In Segment I, students will learn how the Roman Empire developed in two very distinct directions. Next, students will discover the great intellectual and cultural contributions of Islamic Empires. Journey through the Middle Ages of Europe and Japan to learn how knights and samurais lived. You will also investigate the rise and fall of some of the great kingdoms of the Americas and Africa and then travel back to the Europe of the Renaissance and Reformation era. Hang on tight, before you dive into the Age of Discovery when eastern and western hemispheric encounters created for some turbulent times

World History and Civilization 1b

The second semester of World History and Civilization begins with a bang as students will learn about advancements in science and thought during the Age of Enlightenment and the social and political revolutions that followed as a result. As students meander through the 19th century, they will learn about the transformation from an agricultural to an industrial world and the many changes that resulted from that shift. Students will then learn about the interconnectedness of nationalism and colonialism and the two massive world wars were the end result. As students approach the finish line, they will learn about development in our modern world and the implications that historical events have on us today.

SOCIAL STUDIES ELECTIVES

Criminology

In today's world, crime and deviant behavior rank at or near the top of many people's concerns. In this course, we will study the field of Criminology – the study of crime. We will look at possible explanations for crime from the standpoint of psychological, biological and sociological perspectives, explore the categories and social consequences of crime, and investigate how the criminal justice system handles not only criminals, but also their misdeeds. Why do some individuals commit crimes why others do not? What aspects in our culture and society promote crime and deviance? Why are different punishments given for the same crime? What factors...from arrest to punishment...help shape the criminal case process? This is a one semester course.

Law Education

Every society has laws that its citizens must follow. From traffic laws to regulations on how the government operates, laws help provide society with order and structure. Our lives are guided and regulated by our society's legal expectations. Consumer laws help protect us from faulty goods; criminal laws help to protect society from individuals who harm others; and family law handles the arrangements and issues that arise in areas like divorce and child custody. This course focuses on the creation and application of laws in various areas of society. By understanding the workings of our court system, as well as how laws are actually carried out, we become more informed and responsible citizens in our communities and of our nation. This is a one semester course.

Sociology 1a

The world is becoming more complex. How do your beliefs, values and behavior affect the people around you and the world in which we live? Students will examine social problems in our increasingly connected world, and learn how human relationships can strongly influence and impact their lives. Exciting online video journeys to an array of areas in the sociological world are an important component of this relevant and engaging course. This is a first semester course.

Sociology 1b

Sociology is the study of people, social life and society. By developing a “sociological imagination” students will be able to examine how society itself shapes human action and beliefs...and how in turn these factors re-shape society itself! Fascinating online videos journeys will not only inform students, but motivate them to still seek more knowledge on their own. This is a second semester course.

HEALTH and P.E.

Health

Each day hundreds of decisions are made, including important decisions that have a huge impact on personal life. Making good decisions is a whole lot easier for those who have the correct information before making those decisions. Being equipped with correct information will empower students to manage real issues, like quality nutrition, substance abuse, coping with stress, and sexual abstinence.

Good health is both mental and physical. Making good decisions starts with knowing the facts, understanding the consequences, and having the confidence to choose well. A series of signposts take students through the course, providing information, direction, and a little encouragement. Students learn to use important tools for communicating feelings and opinions. Other tools provide a foundation for becoming a savvy consumer in a world of advertising, credit cards, and focusing on earth-friendly practices that will help the environment.

This one semester course comes with a long-term payoff. Learning to make good decisions now will set a positive direction to follow for the future.

Physical Education sem. I

This first semester course is designed to provide students with the basic skills and information needed to begin a personalized exercise program and maintain an active and healthy lifestyle. Students participate in pre- and post-fitness assessments in which they measure and analyze their own levels of fitness based on the five components of physical fitness: muscular strength, endurance, cardiovascular fitness, flexibility, and body composition. In this course, students research the benefits of physical activity, as well as the techniques, principles, and guidelines of exercise to keep them safe and healthy. Throughout this course students participate in a weekly fitness program involving elements of cardio, strength, and flexibility. This course is a prerequisite to online PE semester 2.

Physical Education sem. 2

This second semester course is designed to provide students with the basic skills and information needed to begin a personalized exercise program and maintain an active and healthy lifestyle. Students participate in pre- and post-fitness assessments in which they measure and analyze their own levels of fitness based on the five components of physical fitness: muscular strength, endurance, cardiovascular fitness, flexibility, and body composition. In this course, students research the benefits of physical activity, as well as the techniques, principles, and guidelines of exercise to keep them safe and healthy. Throughout this course students participate in a weekly fitness program involving elements of cardio, strength, and flexibility.