

The following are the elective offerings proposed for inclusion to the curriculum at East Providence High School for the 2017-18 term...

BUSINESS

C++/Programming, 1/2 Credit Half Year No Levels Grades 9-12

This course is designed to introduce the students to an object-oriented programming language through the study of concepts, design, development, coding, and testing. Students will learn to write programs, and learn about algorithms, flowcharts, problem solving, and programming concepts. Projects will introduce students to working in teams, meeting production deadlines, and solving problems. The successful completion of this course will meet the RIDE criteria as a technology course.

Digital Media/Apps, 1/2 Credit Half Year No Levels Grades 9-12

This course is designed for students to develop skills in various digital media platforms by focusing on creating mobile applications in diverse software programs and designing numerous elements using digital media software as well as publishing in the digital media environment. In addition, students will also develop digital communication skills as well as create/design digital media projects. Projects will introduce students to working in teams, meeting production deadlines, and solving problems. The successful completion of this course will meet the RIDE criteria as a technology course.

Social Media, 1/2 Credit Half Year No Levels Grades 9-12

This course is designed for students to understand the purpose as well as the pros and cons for the top 8 social media platforms: Facebook, Twitter, Pinterest, Instagram, YouTube, LinkedIn, Google+ and Blogs. Students will learn how social media is advantageous in the education and professional arena as well as build knowledge and professional skills on these 8 social media platforms. Students will create engaging content for social media platforms and learn how to research, utilize marketing strategies and analytics, establish a following, and understand legal issues that confront social media. The successful completion of this course will meet the RIDE criteria as a technology course.

Tech Tools For Entrepreneurs, 1/2 Credit Half Year No Levels Grades 9-12

This course will focus on basic concepts of business that are practical and relate to real life scenarios in the business world. Students will concentrate on how small and large businesses operate, make profits, and use technology as a tool. In addition, students will learn basic skills of creating a business from the ground up in the competitive global market, at home, on the Internet, managing employees in the workplace, and creating a business plan.

Technology I EEP, 1 Credit Full Year Level 1 Grades 9-12

This course will introduce you to the use of software productivity tools in an office setting, with the emphasis in completing business tasks and solving business problems. This course will use Microsoft Office as the operating system and Microsoft Office 2016 as the suite of productivity tools. At the end of the course you should have basic skills in the use of Microsoft Windows and Microsoft Office 2016. This includes Word, Excel, PowerPoint, and Access. In addition, you should have good comprehension of the Internet/WWW, OneNote, electronic mail, basic mathematics, writing skills, and web development. This course is designated as an Early Enrollment Program Class. The successful completion of this course will meet the RIDE criteria

as a technology course.

Web Design/Coding, 1 Credit Full Year No Levels Grades 10-12

This is an advanced and aggressive course focusing on Web Design and creation utilizing hands-on activities and various projects in HTML: Hypertext Markup Language, XHTML: Extensible Markup Language, Microsoft Expression, Weebly/Wix, and Google Sites as well as incorporating technology terminology, concepts, and online software programs. The successful completion of this course will meet the RIDE criteria as a technology course.

ENGLISH

A Study Of Science Fiction And Fantasy Literature, 1/2 Credit-Half Year- Levels 1,2 Grades 11-12

This course studies fantasy and sci-fi based short stories and novels. Students will analyze these works as it pertains to “real world themes”, determining their relevancy and warnings for a diverse 21st century population.

Film Study, 1 Credit Full Year Level 1,2 Grades 11-12

This course employs a genre approach to film. The students are introduced to a wide variety of movies, including the silent film, the feature length film, the documentary, the adaption of fiction into film, and animation. Students will become familiar with film language as well as production techniques.

Foundational Writing, 1/2 Credit Half Year No Levels Grade 9

The objective of the course is to introduce expectations of high school writing and to help them meet those expectations. The course focuses on skills identified in the Common Core Writing Standards and Language Standards.

From Books To Film, 1/2 Credit Half Year Levels 2,3 Grades 10-12

Students will read complex grade level texts, and will learn the differences between the novel and a film adaptation. The students will demonstrate their knowledge of the following skills: correct structure and usage in writing research papers, critiques, comparative analyses and essays; logical and analytical reasoning in discussing both the literary works and the film adaptations; and proper public speaking skills in presenting oral reports. The students, additionally, will accept the responsibility of completing independent projects.

It's The End Of The As We Know It: A Study Of Post-Apocalyptic Fiction, 1/2 Credit Half Year Levels 1,2 Grade 11-12

Today's popular culture is filled with stories of disease outbreaks, zombie hordes, and nuclear holocaust. Why are we, as a culture, so obsessed with the “end of the world”? In this one-semester course, we will explore the origins of this phenomenon, as well as its impact on popular American fiction, television, film, and video games.

Mythology, 1/2 Credit-Half Year- Levels 1,2 Grades 9-12

Tragic heroes, tricksters, and of course the omniscient gods and goddesses - there is something for everyone in Mythology. Are you ready for this epic expedition? This one-semester elective course will expose students to a global view of mythology and its continuing influence on our modern world. Students will explore the universal qualities of man's search for meaning and

understanding. Readings will include Greek, Roman, Norse, Arthurian, and modern mythologies. Students will read selections and view films as a class. Afterwards, students will respond through writing, group discussions, and individual and group projects.

Poetry, 1/2 Credit-Half Year- Levels 1,2 Grades 9-12

During this course we will study the work of noted poets and many of their contemporaries as we seek to understand, analyze and write poetry. We will study methods, forms, and experiences that have helped develop these poets and we will write poetry using many of the same devices. Through in-class writing exercises, reading of model poems, and discussion of student work, this course encourages students to produce poetry of increasing quality. Students will learn the basic elements of poetry, important types of poems, and fundamental poetic techniques. Students will explore many different forms of poems from various time periods and begin to learn what it takes to create a poem. Students will be expected to write analytically about poetry in addition to writing their own.

The Graphic Novel, 1/2 Credit-Half Year- Levels 1,2,3 Grades 10-11

Students in The Graphic Novel course will explore the comics medium as a mode of communicating story using the various texts as a way to acquire, practice, and master traditional and new literacies, including visual and critical media literacy. Through genre study, students will consider graphic novels as literature, analyze formal structure as it relates to content, trace the development of theme including gender, race, sexuality, justice, and heroism, and research the history and growth of the popular culture phenomenon called comics. Students will look closely at the special effects created in sequential art narrative and further appreciate the medium by constructing a variety of graphic narratives both independently and collaboratively.

Urban Legends And Folklore, 1/2 Credit-Half Year- Levels 2,3 Grades 10-12

This course explores a wide variety of legends and folklore across different cultures. Students will become familiar with legends such as Bigfoot, the Yeti, the Mothman, the Jersey Devil, vampires, ghosts, and witch legends. The class will examine correlations between these legends and examine them for possible explanations, as well as determining the cultural and historical basis that have given rise to them.

Young Adult Literature, 1/2 Credit-Half Year- Levels 2,3 Grades 9-12

Young Adult Literature is a course that offers students a chance to read and study fictional literature written for adolescent audiences. Students will learn about the characteristics of young adult fiction as they read a variety of texts across multiple genres.

ART

Advanced Art I, 1/2 Credit Half Year No Levels Grades 10-12

Prerequisites: A portfolio review and/or art audition plus a recommendation from a middle level art teacher is required to be considered for the Advanced Art One course.

Entry Requirements (2 out of 3):

- * Portfolio demonstrating Required Knowledge & Skills (See Below)

- * Art Audition (Hosted by HS Art Teachers)

- * Recommendation from MS Art Teacher

Prerequisite Knowledge/Skills Required:

- * Proper Planning (Sketching/Notes)

- * Contour Line Drawing
- * Using Value Effectively
- * Perspective Drawing
- * Color Mixing

Advanced Art One is an accelerated Art One course (which serves as a prerequisite for all other art courses at EPHS.) Advanced Art One is designed for 9th graders who have shown interest & excellence in visual art at the middle level.

Students taking Advanced Art One have the potential to meet the Fine Arts Proficiency graduation requirement outlined by the State of Rhode Island in one semester, as opposed to a full year. Advanced Art One offers students the opportunity to enter advanced art classes earlier in their high school career. Students in Advanced Art One will be automatically placed in Mixed Media for their 2nd semester. Students will get the experience of taking an art class with upperclassmen and they will enter introductory or advanced courses with more knowledge and skill than those coming from regular Art one.

MUSIC

Brass Choir, 1/2 Credit Half Year No Levels Grades 10-12

Prerequisites: 2-3 years percussion experience in middle school and teacher approval

Brass Choir is a small ensemble of students from band who play Trumpet, Trombone, French Horn, and Tuba. The purpose of Brass Choir is to isolate the students who play these instruments to further their playing and develop their pedagogy on their individual brass instrument. By separating the brass instruments from the rest of the band, students will gain a better understanding of how to play within their sections and will learn proper brass playing techniques.

Minimum of 10 students - 4 trumpets, 2 horns, 2 trombones, 2 tubas Students will:

- * Reinforce basic brass playing techniques (breathing, long tones, lip slurs, scales)
- * Learn to play in a small ensemble setting with only brass instruments, which is different from their band class
- * Play a variety of repertoire geared toward Brass Choir
- * Further develop listening and playing skills
- * Perform on at least 1 of the school music concerts with the band and chorus
- * Receive individualized instruction on their brass instruments outside of their band class

Colorguard Class (Fall semester only), 1/2 Credit Half Year No Levels Grades 9-12

The course fulfills the EPHS Fine Arts Requirement. Instruction is offered in the area of dance and color guard equipment technique in an ensemble setting. Instruction for all beginning and intermediate level members will include movement basics, equipment basics on flag and air blade, performance observation and analysis, and basic design and choreography. Various styles of dance will be taught and explored, in addition to traditional color guard training techniques. Performances are required and include football games, pep rallies, and other possible local community events. The course will prepare students for color guard performances with the marching band during the fall semester. Attendance at weeklong band camp in August, and weekly after school rehearsals are a required part of this course.

Color Guard students will be responsible for all materials that they use (both school-owned and individually owned). Each student will need to provide and maintain their own air blade and practice flag for use in performances. Proper care of all equipment is expected.

Percussion Ensemble, 1/2 Credit Half Year No Levels Grades 9-12

Prerequisites: 2-3 years percussion experience teacher approval

An advanced level performing ensemble focusing on mastery of traditional, non-traditional and world percussion techniques through the study of contemporary percussion ensemble literature. This course is designed to cover the fundamentals of playing percussion instruments and the application of musicianship skills to the genre. It is designed to improve the playing skills and knowledge in the areas of mallets, concert percussion, intermediate rhythmic reading, percussion ensemble, and sight-reading. The students will gain an appreciation for complexity involved in performing music at a high level. To be an effective member of this organization, students must exhibit a strong work ethic and high level of discipline. At least 1 concert performance is required each semester. Other performances may be added at the discretion of the director.

Wind Ensemble Honors, 1 Credit Full Year Level 1 Grades 10-12

Prerequisites: Audition and teacher approval

The Wind Ensemble is a principle concert organization at EPHS attending RIMEA, participating in recruitment, and performing at public concerts throughout the year. Honors Wind Ensemble is a full year honors course designed for woodwind, brass, and percussion students with advanced technical abilities who wish to broaden their musical knowledge and improve their performance level. Students study and perform music on an advanced level, with emphasis on developing musical maturity appropriate to college level music literature. Membership is determined by an audition. Members of the honors ensembles are also expected to be active participants within the Music Department. Requirements for the Honors aspect of the class are:

-A yearly All-State Audition -Solo and Ensemble participation -Participation in an outside ensemble (i.e. RI Phil Youth ensembles, participation in any honor bands/choruses or community bands/choruses, etc.) Validity of outside ensembles must be approved by the teacher. -Lessons are STRONGLY encouraged for Honors credit.

Meistersingers Honors, 1 Credit Full Year Level 1 Grades 10-12

Prerequisites: Audition and teacher approval

Meistersingers is a principle concert organization at EPHS attending RIMEA, participating in recruitment, and performing at public concerts throughout the year. Honors Meistersingers is a full year honors course designed for choral students with advanced technical abilities who wish to broaden their musical knowledge and improve their performance level. Students study and perform music on an advanced level, with emphasis on developing musical maturity appropriate to college level music literature. Membership is determined by an audition. Members of the honors ensembles are also expected to be active participants within the Music Department.

Requirements for the Honors aspect of the class are: A yearly All-State Audition -Solo and Ensemble participation -Participation in an outside ensemble (i.e. RI Phil Youth ensembles, participation in any honor bands/choruses or community bands/choruses, etc.) Validity of outside ensembles must be approved by the teacher. -Lessons are STRONGLY encouraged for Honors credit.

MATH

Consumer Math, (Skills), 1/2 Credit Half Year Level 3 Grade 10-12

In Consumer Math, students study and review arithmetic skills they can apply in their personal

lives and in their future careers. The beginning of the semester of the course begins with a focus on occupational topics; it includes details on jobs, wages, deductions, taxes, insurance, recreation and spending, and transportation. In the second half of the semester of Consumer Math, students learn about personal finances, checking and savings accounts, loans and buying on credit, automobile expenses, and housing expenses. Throughout the course, students participate in discussions with each other and their teacher.

Sports Analytics, 1/2 Credit Half Year Level 2 Grades 11-12

Prerequisite: Algebra 2

Sports analytics refers to the use of data and quantitative methods to measure performance and make decisions to gain advantage in the competitive sports arena. This course is designed to help students to develop and apply analytical skills that are useful in business, using sports as the application area. These skills include critical thinking, mathematical modeling, statistical analysis, predictive analytics, game theory, optimization and simulation. Typical questions addressed in sports analytics include: How much is a player on a team worth? How to rank players or teams? How to predict future performance of players or teams? How likely are extreme performances, i.e., streaks? Which decision is more likely to lead to a win (e.g., attempt a stolen base or not in baseball, punt or go for it on fourth down in football, dump and chase or not in hockey, pull the goalie or not in hockey)?

The Art In Mathematics, 1/2 Credit Half Year No Levels Grades 9-12

This course is an in depth study of the art in mathematics. Students will have an opportunity to create art using mathematics. Topics include Fractals, Fibonacci, Origami, Golden Ratio, Planar Symmetries, Perspective and Proportion, Fractal Dimensions, Polyhedra, and Tessellations.

PE/HEALTH

Teen Issues, 1/2 Credit Half Year Grade 9

This course will acclimate ninth graders to high school by developing skills and behaviors essential to a successful high school experience.

This course will help students explore a variety of issues that become relevant as they make the transition through their teen years to adulthood. Topics of discussion will include drugs/drug abuse, lifestyles, relationships, sexuality, depression, use of technology in today's world, bullying, and stress.. The course will focus on the challenges that all of these topics bring to today's teens as well as the consequences of various choices that can be made. The course will also stress ways to connect with various community and human services organizations which are available to help individuals and families to deal with crisis in their lives. (guest speakers)

Fitness & Nutrition, 1/2 Credit Half Year Grade 10-12

Prerequisite: Successful Completion of 10th grade Health

Students will gain important knowledge and skills to aid them in attaining and maintaining a healthy and nutritious lifestyle. Throughout this course students establish their fitness level, set goals, and design their own resistance training program. They will also learn about world-wide views of nutrition, nutrient requirements, physiological processes, food labeling, healthy weight management, diet related diseases, food handling, nutrition for different populations, and more.

They study muscular anatomy and learn specific exercises to strengthen each muscle or muscle group. Students focus on proper posture and technique while training. They also gain an understanding of how to apply the FITT principles and other fundamental exercise principles,

such as progression and overload, to strength training.

Walking Fitness/Cross Training, 1/2 Credit Half Year Grade 9 - 12

This course helps students establish a regular walking program for health and fitness. Walking is appropriate for students of all fitness levels and is a great way to maintain a moderately active lifestyle. In addition to reviewing fundamental principles of fitness, students learn about goals and motivation, levels of training, walking mechanics, safety and injury prevention, appropriate attire, walking in the elements, good nutrition and hydration, and effective cross-training. Students take a pre- and post-fitness assessment. Throughout this course students also participate in a weekly fitness program involving walking, as well as elements of resistance training and flexibility.

In addition, Cross-training, sometimes referred to as circuit training, refers to combining exercises of other disciplines, different than that of the athlete in training. In this course, students will learn a variety of exercises used to build certain muscle groups; and also be sport/goal specific.

Health & Personal Wellness/ Current Health Issues, 1/2 Credit Half Year Grade 10 - 12

Prerequisite: Successful Completion of 10th grade Health

This comprehensive health course provides students with essential knowledge and decision-making skills for a healthy lifestyle. Students will analyze aspects of emotional, social, and physical health and how these realms of health influence each other. Students will apply principles of health and wellness to their own lives. In addition, they will study behavior change and set goals to work on throughout the semester. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health.

This course will also introduce students to various issues facing the world today. Students will explore global economic systems, human rights, world health, environmental issues, and the role of the United States and the United Nations in a changing world. This class is designed to eliminate much of the confusion surrounding these issues and allow students to form their own opinions on matters that affect their world. Students will evaluate the issues and propose solutions from a variety of perspectives.

World Health, 1/2 Credit Half Year Grade 10 - 12

Course Description: Students will be introduced to different health concerns across the world by comparing and contrasting potential reasons behind them. From cancer rates, the food people eat, health care options, poverty, life expectancy rates, and more.

*Why are certain diseases and health conditions more prevalent amongst different countries/ cultures. For example: HIV is spreading quickly in Africa due to different cultural beliefs and lack of education.

*How is the health and education of young students in Japan different than America? Test scores are higher, why? food choices in schools, amount of exercise, PE minutes, recess.

*Compare and contrast obesity rates amongst different areas of the world.

*Emotionally the healthiest? least stressed out country?, suicide rates highest where?

Depression- areas of the world where there is less daylight may aid in higher levels of depression in people.

*Malnutrition, poverty, lack of education

*The location of a country and the impact of weather on health, heat, floods, water contamination etc.

*Researching infant mortality rate across different countries and why.

Highest cases of cancer and why?

*Healthiest country to live in, longest life expectancies, areas with least amount of pollution, GMOs, pesticides and its effects on health.

*Stress levels, average hours of work weeks, health care access, maternity leave time.

SCIENCE

Biotechnology, 1 credit Full Year Levels 1,2 Grades 11, 12

Prerequisites: all students should have completed Biology or should be taking biology concurrently with this course.

Biotechnology is the use of living organisms to produce food, medicine, or other products that provide a benefit to humans. Biotechnology has been used to make cheese, wine, bread, antibiotics, as well as used for selective breeding of plants and animals.

In this class, we will be examining theoretical and working knowledge of tools and techniques that go along with biotechnology. The focus will be on writing standard operating procedures, application of procedure, use of DNA and DNA technology. Skills learned in this class may be applied to many future fields of study including all life sciences and some physical sciences.

STEM, 1/2 Credit Half Year Level 1 & 2 Grade 9 - 12

The STEM course is a physics-engineering program. At the heart of the course is a learning by doing approach. Students will utilize hands-on labs, interactive simulations, manipulative virtual lab investigations and programmable ergobot interactive robotic dynamic motion apparatus (robots) to improve their understanding of physics, engineering and mathematics. Some topics covered include: optics, electrical circuits, forces and machines engineering and oscillations and waves. Problem solving science investigations progress from structured inquiry to guided inquiry and finish with design projects that deepen the investigative process to open inquiry.

HISTORY

Psychology II, 1/2 Credit Half Year Levels 1, 2 Grades 10-12

Prerequisite: Psychology I

This course extends knowledge gained in Psychology I by taking a deeper look at the human mind and behavior. Scholarship will extend beyond the basic personal level, preparing students to pursue the discipline at the postsecondary level by developing comprehension in the areas of Cognitive Psychology such as thought, problem solving, language, motivation, and emotion, Applied Psychology with psychological testing, therapy, and treatment, and Social Psychology looking at group interaction, conformity, attitudes, and prejudice.

As with Psychology I, students will focus their learning on the latest research and methods of the field. Additionally, they will draw and defend their own conclusions as independent learners in a variety of ways including essays, oral presentations, class discussion, diagnosis and treatment plans, and other visual projects to demonstrate proficiency.

World Human Geography, 1/2 Credit Half Year Levels 1,2, Skills Grade 9-11

This course provides students opportunities to study the interaction of various peoples with their physical and cultural environments in the major areas of the world. Students explore North America, Europe, Middle East, Sub-Saharan Africa, Asia, Australia, and Latin America to compare physical processes, components of cultures, and human interactions that affect history.

Political Science, 1/2 Credit Half Year Level 1 Grades 11-12

Level: Honors

The Political Science course introduces students to the academic study of politics. Students will learn to differentiate among the various fields of Political Science including Political Theory, American Politics, Comparative Politics and International Relations. Students will examine multiple viewpoints to enhance their understanding of modern political issues. The incorporation of the history surrounding current political issues also promotes deeper understanding of the reasons why people hold particular views. The course aims to assist students in developing the citizenship skills necessary for an individual interested in politics. An essential aspect of participation is the responsibility to be informed. In the context of this course, students are expected to develop a daily habit of reading legitimate news sources regarding political issues.