



2024-25 TRIMESTER 1 *Seminar options are subject to change.

SEMINAR 1 OPTIONS

Seminar Title, Teacher, & Location	Course Description	Standards Offered
<p>Comic Creators</p> <p>Teacher: Ms. Meredith Location: Speakeasy</p>	<p>In this seminar, students will do a deep dive into the world of comics. We will be learning and improving creative writing skills through creating a bunch of comics throughout the trimester. By the end of the trimester, students will have a portfolio containing the planning documents, drafts, and comics they crafted throughout the seminar. Students will complete collaborative and individual comics-making exercises and mini-projects, focusing on how to communicate through comics and figuring out styles that work best for them.</p> <p>In this seminar, students will do a lot of writing, revising, and drawing - but no prior artistic experience is required. Students will regularly share their work with peers to get feedback and support each other as we grow into comic creators! The keys to this seminar are putting forth effort, embracing creativity and uniqueness, and being open to collaboration.</p>	<p>Communication Arts Creative Written Expression (Mastery Credit)</p> <ul style="list-style-type: none"> ● Sensory and Vivid Language ● Reflective Writing ● Organization in Drafting ● Revision ● Proper Grammar ● Use of Techniques ● Vocabulary ● Advanced Topics in Written Expression (Advanced Standard) <p>Design Thinking</p> <ul style="list-style-type: none"> ● Ideate <p>Future Readiness:</p> <ul style="list-style-type: none"> ● Using Digital Documents to Collaborate
<p>The Other Side of History</p> <p>Teacher: Mr. Ehrenberg Location: Time Machine</p>	<p>Maybe you have heard the expression, “History is written by the victor.” But what does that mean? In this class we’ll take a look at events throughout history such as Christopher Columbus exploring the “New World” to President Truman dropping the Atomic Bomb on Japan. Throughout the class we will be doing a lot of reading on primary and secondary sources to understand these historical accounts at the time they happened. What were the natives thinking when they saw Columbus walk across that beach? What was on the minds of those walking through the devastation of Hiroshima? In each of the units we will read about an event from both sides and then do a smaller writing activity to demonstrate knowledge of the standards. After covering Columbus and Japan, you will get the opportunity to tell the unsung story of a historical event of your choosing. Perhaps you want to tell the</p>	<p>Civic Engagement Exploring Perspectives: Cultures in History (Mastery Credit)</p> <ul style="list-style-type: none"> ● Perspectives through Documents ● Cultural Historical Comparisons ● Power, Privilege and Dominant Culture ● Themes in Exploring Perspectives: Cultures <p>Communication Arts</p> <ul style="list-style-type: none"> ● Sensory and Vivid Language ● Understanding word meaning and choice <p>Future Readiness:</p> <ul style="list-style-type: none"> ● Exploring Perspectives in a Specific Hot Topic Issue of Choice

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	Arabic side of the Crusades? Or do you want to tell the British side of the Revolutionary War?	
<p>Do the Rot Thing</p> <p>Teacher: Annelise Location: Lab</p>	<p>Ever wonder what happens to that banana peel after you toss it in the trash? What if, instead of going to a landfill, it could help grow your next snack? In this seminar, we'll dig into the science of composting, where "waste" transforms into rich, fertile soil right before your eyes. You will be designing your own experiment to study the biological processes of decomposition, learn about the organisms involved, and discover how different materials and conditions affect your end result. Get ready to roll up your sleeves, get dirty, and see how nature's recycling system can turn trash into treasure and help us build a greener planet!</p>	<p>STEM Science Solutions Based Engineering and Design: Life Science (Mastery Credit)</p> <ul style="list-style-type: none"> ● Ecosystems: Principles/Content ● Ecosystems: Scientific Process OR Application ● Foundational Scientific Process ● Foundational Data Interpretation <p>Communication Arts</p> <ul style="list-style-type: none"> ● Vocabulary ● Technical Writing <p>Future Readiness</p> <ul style="list-style-type: none"> ● Foundational Problem Solving Through Inquiry ● Utilizing Digital Documents to Collaborate ● Negotiating Conflict Constructively ● Creating Team Roles, Norms, and Responsibilities
<p>Pathways High Floor Plan!</p> <p>Teacher: Mr. Sasveld Location: Galaxy Brain</p>	<p>Our school building still has a lot of unknown areas to explore! In this seminar, students will be enhancing their structure and generalization skills by creating floor plans of every single room in our new building! Students will work in teams to map out the school floor by floor by drawing accurate, to-scale drawings of each and every room in the building. Teams will then combine their floors to create a blueprint of the entire school building which we will compare to existing blueprints to see how well we did. Then students can take it to the next level by designing a 3-dimensional and to-scale model of the building.</p>	<p>STEM Math Structure & Generalization (Mastery Credit)</p> <ul style="list-style-type: none"> ● Congruence & Similarity Equivalence ● Circles ● Measurement & Dimension ● Sine, Cosine, Tangent ● Use Geometric Shapes and Their Measures to Describe Objects <p>Design Thinking</p> <ul style="list-style-type: none"> ● Prototype and Test ● Ideate <p>Future Readiness</p> <ul style="list-style-type: none"> ● Negotiating Conflict Constructively ● Creating Team Roles, Norms, & Responsibilities
<p>Computer Programming</p> <p>Teacher: Chris</p>	<p>As the role of computers in modern life continues to expand, understanding the theory, design, development and applications of software and software systems becomes increasingly important to those</p>	<p>Future Readiness:</p> <ul style="list-style-type: none"> ● Problem Solving to solve a specific problem

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<p>Location: Greenbrier</p>	<p>who wish to understand the world we live in. Students interested in Computer Science can transfer this interest into careers in artificial intelligence, virtual reality, computer systems and networks, security, database systems, human computer interaction, vision and graphics, numerical analysis, data analytics, programming languages, software engineering, bioinformatics and theory of computing.</p> <p>Learning how to design and write programs is just one aspect of computer science. This course will use computer gaming as a context to build the skills and methodology to solve increasingly complex problems and train programmers to systematically solve problems across disciplines. This course will begin with javascript and students will have the ability to use the Unity 3d engine using Mastery Coding's Game Development Pathway. Mastery Coding's flagship Game and App Development pathway uses cross-disciplinary, project-based learning to teach core Unity coding skills and offer a direct path to the industry-based Unity User: Programmer, Unity User: Artist, and Unity Certified Associate: Game Developer certifications.</p> <p>In addition, advanced students will have the opportunity to explore robotics programming using FANUC RoboGuide software, FANUC Robotic Arm, and FANUC CNC simulator.</p> <p>*Note: Students who have already taken computer programming ARE ENCOURAGED to take the course as many times as desired in order to learn new languages and to pursue industry certifications. These students will work with the instructor to develop a portfolio demonstrating proficiency or mastery in advanced standards.</p>	<p>STEM Math</p> <ul style="list-style-type: none"> ● Mathematical Modeling Elective: Central Tendency and Spread ● Mathematical Modeling Elective: Solving design problems using geometry ● Mathematical Modeling Foundational: Interpreting Categorical and Quantitative Data <p>Advanced STEM Math</p> <p>Computer Science Application (Mastery Credit)</p> <ul style="list-style-type: none"> ● Problem Solving using Technology ● Program Development ● Program Documentation ● Simulation Design ● 3d Simulation Design <p>Computer Programming Advanced Mastery Credit</p> <ul style="list-style-type: none"> ● Computer Programming Advanced Mastery Credit Portfolio #1 ● Computer Programming Advanced Mastery Credit Portfolio #2 ● Computer Programming Advanced Mastery Credit Portfolio #3 ● Computer Programming Advanced Mastery Credit Portfolio #4
<p>World Languages & Other Online Electives</p> <p>Location: Horizon Hub</p>	<p>Interested in learning another language? How about another culture? Pathways High is offering the opportunity to take your choice of world languages classes through the Wisconsin Virtual School. These self-paced courses will allow you to learn a language, work with a teacher, and to get ready for the real world! All you need is self motivation and to be ready to learn something new! Choose from one of the following: Chinese, French, Spanish, Japanese, German.</p> <p>Other elective options available here: WVS Courses Offered</p>	<p>World Languages</p> <p>Beginner World Language (Mastery Credit)</p> <ul style="list-style-type: none"> ● Beginner Interpersonal Communication ● Beginner Presentational Speaking ● Beginner Writing ● Beginner Interpretive Reading ● Beginner Interpretive Listening <p>Other Standards determined based on the elective selected.</p>

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	<p>*Note: These are VIRTUAL COURSES through Wisconsin Virtual School. If learning virtually is not your strength, consider taking another seminar.</p>	

SEMINAR 2 OPTIONS

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<p>It's Elemental</p> <p>Teacher: Megan Location: IDL</p> <p>*This class is intended for Freshmen only T1. Additional students will have the opportunity to take it T2</p>	<p>Do you want to make art and explore your creative side? Are you interested in improving your creative capacity? This foundational art and design seminar will provide individual, small group, and whole group creative learning experiences that will help you become a better artist. With a focus on development of technical skill, you will leave feeling more confident in your ability to visually represent your ideas, which is essential in a Project Based Learning environment.</p> <p>*Note: This is a foundational design thinking course that all incoming freshman and new to PH students will take.</p>	<p>Design Thinking Technical Skill (Mastery Credit)</p> <ul style="list-style-type: none"> ● Observe and Define ● Interpret ● Create <p>Future Readiness Collaboration and Working Together (Mastery)</p> <ul style="list-style-type: none"> ● Utilizing Digital Documents to Collaborate ● Negotiating Conflict Constructively
<p>Financial Planning</p> <p>Teacher: Mr. Sasveld Location: Galaxy Brain</p> <p>*This class is not intended for Freshmen. 9th graders, please plan to take this in future years. 10th/11th/12th grade only</p>	<p>We need money to survive, and this seminar is focused entirely on how to manage all of the money that you'll spend countless hours working hard to earn! This seminar is broken down into seven interconnected but distinct aspects of financial planning, which are: Taxes, Checking, Saving, College and Career, Credit, Investing, and Insurance. Throughout the seminar, students will be creating and adding to a financial portfolio that is separated into these seven sections. At the conclusion of the seminar, students will choose one of these areas to dive deep into and complete an extensive project that will outline their future. Additionally, students will have all of the knowledge that they need in order to go out into the real world and be a smart, self-interested consumer.</p>	<p>Electives/Future Readiness: Personal Finance Category (Mastery Credit)</p> <ul style="list-style-type: none"> ● Financial Mindset ● Education and Employment ● Money Management ● Saving ● Credit and Debt ● Investing ● Using Economics in Real Life
<p>Science is Real!</p> <p>Teacher: Mr. Koehler Location: Lab</p>	<p>Science is Real is a seminar which will help you to answer the questions: What does it really mean to "know" something and how can I go about it? By taking a deep dive into the philosophy and teachings of Richard Feynman (SIX EASY PIECES), students will develop a clear understanding of the nature of scientific inquiry, be humbled and liberated by the power of uncertainty, and rewarded by the pleasure of finding things out.</p>	<p>STEM Science Scientific Process: Physical Science (Mastery Credit)</p> <ul style="list-style-type: none"> ● Matter & Interactions: Principles and Content ● Matter & Interactions: Scientific Process OR Application <p>STEM Math</p>

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	<p>This seminar provides a foundation for students wanting to expand their vocabulary and learn about the fundamental physical nature of our universe- how atoms are formed, how atoms create molecules, and how atoms and molecules interact and organize to make every material thing that is. (Including US!!) Though mathematics is often the language of science, and a necessary piece of our puzzle; emphasis will be placed on imaginative analogies, experiential learning, and conceptual understanding.</p>	<ul style="list-style-type: none"> ● Mathematical Modeling Foundational: Summarize, Represent, and Interpret, and Build Linear Models ● Foundational Statistics: Summarize, Represent, and Interpret Linear Models ● Advanced Statistical Analysis: Use variance, standard deviation and statistical tests to make inferences and justify conclusions about data sets <p>Communication Arts</p> <ul style="list-style-type: none"> ● Proper Grammar ● Supporting Claims <p>Future Readiness</p> <ul style="list-style-type: none"> ● Ownership of Learning ● Problem Solving Through Inquiry ● Preserving in Addressing Challenges
<p>You Are What You Eat</p> <p>Teacher: Annelise Location: Horizon Hub</p>	<p>What if the saying "You are what you eat" is truer than you think? In this seminar, we'll explore the ins and outs of nutrition, where every bite you take shapes your body, fuels your brain, and even influences your mood. We will investigate the science behind your favorite foods, debunk diet myths, and discover how what you eat today can impact your health tomorrow. From tracking your food choices to understanding the hidden ingredients in your snacks, this seminar is all about learning how to make informed, delicious decisions that keep you energized and healthy. Prepare to see your meals in a whole new light!</p>	<p>STEM Science</p> <p>Scientific Process: Life Science (Mastery Credit)</p> <ul style="list-style-type: none"> ● Molecules to Organisms: Principles/Content ● Molecules to Organisms: Scientific Process OR Application ● Heredity: Principles/Content ● Heredity: Scientific Process OR Application ● Foundational Data Interpretation <p>Communication Arts</p> <ul style="list-style-type: none"> ● Vocabulary ● Inquiry Research - Quality Supporting Evidence ● Inquiry Research - Information Integration ● Inquiry Research - Cite Sources in Text <p>STEM Math</p> <ul style="list-style-type: none"> ● Reasoning and Explanation <p>Future Readiness</p> <ul style="list-style-type: none"> ● Nutrition and Physical Health ● Effects on Health from Community

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Election Watch 2024 Teacher: Mr. Ehrenberg Location: Time Machine	Rule number 1: This is NOT a debate class. In this class, your opinion doesn't mean anything. This class is twofold: first we are going to attempt to look beyond the newscast or the social media post, beyond the 4 second sound byte and the person screaming on tv. What do the facts say? Are the numbers being misused? Can you break out of the circle and not be a mindless drone? The second is trying to rationalize and understand that people's political views stem from their personal life experience. To them, it's logical and right, even if it might not be to you. The goal is to create intelligent, thoughtful voters who can participate in our government and society in a productive way.	Civic Engagement Exploring Perspectives: People and Politics (Mastery Credit) <ul style="list-style-type: none"> ● Belief Systems & Cultural Practices ● Exploring Perspectives through Diversity and Identities ● Themes in Exploring Perspectives: People & Politics Communication Arts <ul style="list-style-type: none"> ● Supporting Claims ● Understanding word meaning and choice Future Readiness: <ul style="list-style-type: none"> ● Exploring Perspectives in a Specific Hot Topic Issue of Choice
Online Electives Location: Civic Square	Elective options available here: WVS Courses Offered Might we recommend: Advertising and Sales, Family & Consumer Science, or Honors/Advanced courses (for those who qualify)? *Note: Online electives are VIRTUAL COURSES through Wisconsin Virtual School. If learning virtually is not your strength, consider taking another seminar.	Standards determined based on elective selected.

SEMINAR 3 OPTIONS

Seminar Title, Teacher, & Location	Course Description	Standards Offered
PE Teacher: Ms. Donna Location: PFC *If already taken, please choose another course.	Interested in living a healthy lifestyle? Want to learn more about mental health and wellness? This PE/Health class will combine physical fitness in the Pathways Fitness Center, group sports at the Neighborhood House, and Health classes. If you need PE/Health, you'll need to take this class!	Future Readiness <ul style="list-style-type: none"> ● Wellness & Lifetime Fitness (Mastery Credit) ● Movement Concepts/Pattern & Motor Skills ● Health-Enhancing Physical Fitness ● Dimensions of Physical Activity ● Lifetime Fitness ● Participation in Physical Activity
It's Not NOT Rocket Science! Teacher: Mr. Koehler Location: Lab	In "It's not NOT Rocket Science" students will explore the physics and design of rockets the old fashioned way: by building them, blasting them off, and watching them fly (Or NOT)! Wernher von Braun said, "It takes 65,000 errors before you are qualified to make a rocket." Beginning with simple air powered rockets, and	STEM Science Solutions-Based Engineering & Design: Physical Science (Mastery Credit) <ul style="list-style-type: none"> ● Energy Principles/Content ● Energy: Scientific Process OR Application

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	<p>progressing through water powered and chemical powered systems, students will learn about Newtonian Mechanics, Kinematics, Projectiles, and factors which affect a Rocket's Range, Payload, and Caliber/Stability. Students will also learn how to use basic triangulation to indirectly measure how high their rockets fly. Physics and engineering formulas will be taught as guides to thinking rather than just math problems to solve, so....Mathaphobes are welcome!</p>	<p>Data Interpretation: Physical Science (Mastery Credit)</p> <ul style="list-style-type: none"> ● Motion and Force: Principles/Content ● Motion and Force: Scientific Process OR Application <p>STEM Math</p> <ul style="list-style-type: none"> ● Mathematical Modeling Foundational Linear Modeling: Interpreting Linear Models ● Summarize, Represent, Interpret and Build linear functions that model relationships between two quantities <p>Future Readiness</p> <ul style="list-style-type: none"> ● Ownership of Learning ● Problem Solving Through Inquiry ● Persevering in Addressing Challenges
<p>Dual Enrollment: ENG-195</p> <p>Teacher: Ms. Mach + College Professor Location: Horizon Hub</p> <p>*This class REQUIRES pre-approval from Ms. Mach. This class is only for Seniors & IMPACT Students</p>	<p>Develops writing skills which include prewriting, drafting, revising, and editing. A variety of writing assignments are designed to help the learner analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content. Also develops critical reading and thinking skills through the analysis of a variety of written documents.</p> <p>*Note: This class meets with the college professor during Project Block. Seminar 3 time will be reserved for project work. If you enroll in DE: ENG-195, you cannot select another seminar for this slot.</p>	<p>1 Communication Arts Credit for Dual Enrollment</p>
<p>Creating for a Client</p> <p>Teacher: Ms. Megan Location: IDL</p> <p>*You cannot take this seminar if you are enrolled in the Foundational Art and Design course.</p>	<p>Have you ever wondered how companies develop a strong brand identity? Are you interested in making digital artworks for a real client? Students in this seminar will investigate brand identity and do a deep dive into the brand identity of our client: City on a Hill. We have an outstanding opportunity to create digital works of art for their new dental health and behavioral health clinics in our neighborhood! The digital artworks produced will be printed, matted, framed and on semi-permanent display. Your work will be seen by thousands of people for years to come!</p> <p>Additionally, students participating in Creating for a Client will work alongside professionals from the Milwaukee Institute of Art and Design (MIAD) as a part of their Future Creatives Program. This</p>	<p>Design Thinking</p> <p>Technical Skill (Mastery Credit)</p> <ul style="list-style-type: none"> ● Observe and Define ● Interpret ● Create <p>Design Thinking - Design Thinking and Innovation (Mastery Credit)</p> <ul style="list-style-type: none"> ● Connect and Empathize ● Ideate ● Prototype and Test <p>Advanced Topics in Design Thinking (as needed for students at Mastery level)</p>

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	<p>multi-layered partnership will set you up for rich Defense evidence and open doors of opportunity for internships, volunteerism, and building professional communication skills that will prepare you for working with other clients in the future.</p>	<p>Future Readiness Collaboration and Working Together (Mastery)</p> <ul style="list-style-type: none"> ● Utilizing Digital Documents to Collaborate ● Negotiating Conflict Constructively ● Creating Team Roles, Norms and Responsibilities <p>Advanced Topics in Leadership (as needed for students at Mastery level)</p>
<p>Hiding in Plain Sight</p> <p>Teacher: Ms. Meredith Location: Speakeasy</p>	<p>We know scary things lurk in the dark, but what about the ones who hide in plain sight? How much of a role do power and privilege play when it comes to getting away with murder (literally)? In this seminar, students will read, watch, and analyze stories about people who got away with murder... until they didn't. We will engage with various horrific stories - both fictional and real - focusing on not only on what motivates people to commit crimes, but also how they are able to get away with the crimes they commit. We will watch TV shows and films and we will also read a novel called "The Southern Book Club's Guide to Slaying Vampires" by Grady Hendrix. Students will be expected to read the entire novel, so make sure you consider that when registering for this seminar.</p> <p>*Note: This seminar explores dark topics. Content warnings may include: death, suicide, murder, gore, cannibalism, domestic violence, and sexual assault. Comic Creat</p>	<p>Communication Arts Text analysis (Mastery Credit)</p> <ul style="list-style-type: none"> ● Text Evidence ● Plot Analysis ● Analyze Author's Choice ● Determine Themes ● Understanding Word Choice and Meaning ● Vocabulary ● Text Comparison ● Supporting Claims (formal written expression) <p>Civic Engagement</p> <ul style="list-style-type: none"> ● Exploring Perspectives through Power, Privilege and Dominant Culture ● Connections to the Present <p>Future Readiness</p> <ul style="list-style-type: none"> ● Compassion Empathy <p>*Note: Optional Additional Standards are available for this course.</p>
<p>Online Electives</p> <p>Location: Civic Square</p>	<p>Elective options available here: WVS Courses Offered Might we recommend Psychology, Geography, or Intro to Nursing?</p> <p>*Note: Online electives are VIRTUAL COURSES through Wisconsin Virtual School. If learning virtually is not your strength, consider taking another seminar..</p>	<ul style="list-style-type: none"> ● Standards determined based on elective selected.