



Dear Seniors and Senior Families,

Welcome to your Senior year at The Franklin School of Innovation! The Senior team would like to introduce our team and our classes, and a few expectations. We look forward to guiding you through your final year of high school. In the meantime, here are some basics (and a supply list!) to get you started for each of your student's core academic classes:

General Senior Requirements:

All FSI seniors are required to apply to at least one four-year college. We will guide seniors through this process in Crew with the help of Ms. Gretchen Kehrberg.

Seniors are also required to complete service hours as a graduation requirement. Students will complete 10 hours of service per year they have been enrolled in high school at FSI. So, if your student has been here all four years, they must complete a minimum of 40 service hours. (A special cord is awarded for 100+ hours of service at graduation!)

All FSI graduates must successfully complete a Senior Passage Project and Presentation. Passages are year-long projects that are housed in Crew. Presentations will occur in the spring.

English IV (Teacher: Elizabeth Golini-Walker - segoliniwalker@gmail.com)

English IV is, primarily, a literature course. We will read many works - novels, plays, short stories, poems - written by authors from a variety of backgrounds. Our work will take the form of discussions, short and extended writings, creative projects, and vocabulary quizzes. This class is designed to be student-centered and student-driven. Overall, the goal is to continue to sharpen the ELA skills you have acquired through your high school career, so that you may be prepared to apply those critical reading, writing, thinking, speaking, and listening skills after graduation. There is no summer work requirement.

AP Literature (Teacher: Elizabeth Golini-Walker - segoliniwalker@gmail.com)

AP Literature is designed to teach you to read, write, and think like a scholarly academic. As such, in this course, you will develop reading, writing, speaking, listening, and critical thinking skills that are expected for collegiate-level study. Course readings will be focused heavily on prose fiction and poetry in preparation for the AP Literature & Composition Exam in May. We will also study drama, as well as supplemental nonfiction texts that will aid in our analysis and understanding of the literature. We will analyze texts verbally, in writing (through timed writings and extended essays), and through creative projects. Though this course is designed to be rigorous, my ultimate goal is to foster a love for literature as well as a keen eye for high-level analysis. You can expect assigned homework to be completed before each class.

[AP Literature Summer Reading](#) -

Read and annotate one book from the list in this document. See detailed directions in link.

Economics and Personal Finance (Teacher: Matt Reynolds - mreynolds@thefsi.us)

This course will explore the economic way of thinking and applying informed decision-making and cost-benefit analysis and recognizing opportunity costs. Students will examine the core of the economics and personal finance standards through discussion and examining “real-world” scenarios. This content is applicable to decisions students will make as consumers, employees, employers, savers, investors and citizens. While it may be challenging to find space in the school year for both personal finance and economics, both contribute in important ways to students’ education. Learning economics has added benefits: Students’ understanding expands beyond their personal buying and spending to the issues we face living in a global economy.

AP Research (Teacher: Matt Reynolds - mreynolds@thefsi.us) *Prerequisite: AP Seminar

In AP Research, you decide what to study. Curious about the impact of AI on society? You can make a project out of that. Are you passionate about social causes? Interested in climate change or mental health? You can research these, as well. In this course, you’ll learn about different research methods and will develop advanced research skills while researching a topic of your choice. Skills you’ll learn in this course include: Conducting independent research, Analyzing sources and evidence, Applying context and perspective, Writing a college-level academic paper, Presenting research findings to an audience

AP Research Summer Work

Please complete the following before August:

1. Keep a running journal of things that spark your curiosity over the summer. The goal is simply to collect seeds of inspiration that you can look back on in the fall.
2. Once you have 2 or 3 broad fields of interest, you need to see what academic research already exists.
3. AP Research is heavily tied to your methodology. Over the summer, think about how you might want to conduct your actual study. Do you want to do:
 - A survey on community attitudes?
 - A correlational study comparing two data sets?
 - A content analysis of historical, literary, or media documents?
 - An experiment requiring physical testing or measurements?

Honors Physics (Teacher: Mary Smith- msmith@thefsi.us)

This course is an algebra based physics course that will prepare future science and engineering students for further study . The course will focus on the study of mechanics and, if time permits, will also explore waves, electricity and magnetism. We will spend our class time experimenting and doing practice problems. Students will be expected to do pre-lab reading and practice problems at home.

NC Life Science (Teacher: April Hausle- ahausle@thefsi.us)

This class focuses on connections between plants and people, including concepts such as natural history, soils, North Carolina ecosystems and agriculture. Other topics include fauna, wilderness ethics, and conservation. Multiple field trips are incorporated into the curriculum as well as guest speakers and labs. We will spend time being active & walking around the woods surrounding campus. I look forward to a fulfilling year with y’all!

Horticulture (Teacher: April Hausle- ahausle@thefsi.us)

(Prerequisite: None) This course offers a hands-on introduction to the art and science of cultivating plants. It explores the vital role plants play in our environment, economy, and daily lives. Students will go beyond the classroom to gain practical experience in plant propagation and sustainable landscape design. Throughout the year, we will dive into the "why" and "how" of plant growth.

AP Environmental Science (Teacher: Alea Rosinblum - arosinblum@thefsi.us)

This course prepares students to take the AP Environmental Science Exam in May in order to earn college credit. The course includes both lab and study components. [Here is a link to the exam's descriptor webpage.](#)

Math IV (Teacher: Caleb Melton - cmelton@thefsi.us)

This course is designed to prepare students to take college-level Algebra, PreCalculus, or Statistics. The primary focus of this course is on functions and statistical thinking, continuing the study of algebraic functions, trigonometry and statistical concepts previously experienced in NC Math 1, 2, and 3. The first half of the year focuses on algebra and trigonometry, and the second half of the year focuses on data science/statistics.

AP Precalculus (Teacher: Caleb Melton - cmelton@thefsi.us)

This course is intended to prepare students for AP Calculus AB and other higher level mathematics. In this course students will use and expand their knowledge and understanding of topics learned in Math 3, such as real and complex numbers, functions, equations and expressions, modeling polynomial and rational functions, exponential and logarithmic functions, and analytic geometry. A large portion of the classes focuses on trigonometric functions and their applications. In addition, students will study vector theory, matrices, polar coordinates, and parametric equations.

AP Precalculus Summer Work

Please complete this [SUMMER ASSIGNMENT](#). It contains some of the basic algebra needed to be successful in Precalculus. Please submit a **hard copy** of the assignment on the first day of classes. Your responses can be written on the assignment itself or on notebook/graph paper. There will be a quiz on the material at the end of the first week. If you need any resources to help you with these problems, please reach out to me via email.

AP Calculus - AB (Teacher: Teshale Byan - tbyan@thefsi.us)

AP Calculus AB is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. AP Calculus AB is a very rigorous course but students will be provided with plenty of support during class and outside of class. Students are expected to spend time working on assignments outside of class. Upon successful completion of this course, students will earn a college credit for most colleges.

AP Calculus - AB Summer Work(Optional)

Please complete this [Summer Assignment for AP Calculus -AB](#). This is an optional assignment but I highly recommend it. A successful completion of this assignment will ensure a great start to your AP calculus course by providing you fundamental algebraic solving skills and techniques. I am also including the answer key to help check your work.

Additional 12th Grade Team Members:

McKinney Gough, Business Principles & Drafting (mgough@thefsi.us)

Chris Wolf, EC Teacher (cwolf@thefsi.us)

Gretchen Kehrberg, College & Career Counselor (gkehrberg@thefsi.us)

Hanna Walden, Spanish (hwalden@thefsi.us)

Sandi Wilson, Music (swilson@thefsi.us)

Supply List

***Please note that the schoolwide consumables fee for this school year will be \$15.**

	Required Supplies	Requested Supplies
English IV / AP Literature	1 composition notebook or spiral-bound journal Sticky notes for annotations Readable writing utensils	
Economics	1 3-ring binder Notebook paper	Poster boards (4 or 5 at least) Index cards
NC Life Science	1 3-ring binder (at least 1") Notebook paper Pens/pencils	Colored pencils/highlighters Poster boards for projects Note cards
Horticulture	1 3-ring binder (at least 1") Notebook paper Pens/pencils	Close-toed shoes on lab days
Honors Physics	1 spiral or composition lab notebook (Graph paper notebook - preferred example) Folder or 3 ring binder for handouts	
Math IV	1 3-ring binder (1.5-2 inches)	
AP PreCalculus	1 3-ring binder (2-3 inches) 1 spiral notebook (Graph paper notebook - preferred)	A graphing calculator (e.g. TI-84) would be helpful, but for calculator portions of quizzes/tests/exams we will be using the online Desmos graphing calculator. Index cards (or something similar in order to make flash cards)
Electives (most electives will provide a supply list on the first day of classes) Visual Arts	Some supplies vary depending on the art course: 8.5 x 11 (or larger) sketchbook (3D, Art 1 - 4, AP) 2 fine tip sharpies (Art 1 - 3) 2 ultra fine tip sharpies (Art 1 -3) Set of micron pens - variety of sizes (required: Art 2 - 3, optional: Art 1, 4, AP) Kneaded Eraser (Art 1 - 4, AP)	
AP Calculus-AB	1 composition notebook (Graph paper notebook - preferred)	A graphing calculator (e.g. TI-84)

AP Research	Supplies will be dependent on the research topic, once finalized. No supplies will be determined until October, when research topics are finalized.	TBD
--------------------	---	-----