



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. JaneAnne Tager.

Seniors are also required to complete service hours as a graduation requirement. Students will complete ten 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: Alex Humphrey - ahumphrey@thefsi.us)

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.

AP Literature (Teacher: Alex Humphrey - ahumphrey@thefsi.us)

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.

AP Literature Summer Work
(Only AP students must complete summer work - NOT English IV)

Please complete your summer reading according to the instructions we reviewed in our meeting. Remember, all students **MUST** submit a **hard copy** of the assignment on the first day of classes.

[Assignment Overview & Intentions](#)

[Major Works Data Sheet](#) (w/ recommended reading list)

Economics (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.

Honors Physics (Teacher: Liz Baron - lbaron@thefsi.us)

This course will focus on the fundamental laws that govern our universe and introduce students to the basics of motion of scientific inquiry. Topics included in the curriculum are forces, waves, electricity, and magnetism. Labs will make up a large portion of the class, and there will be opportunities to take field trips and meet guest speakers.

NC Wildlife (Teacher: Beth Joslin - ejoslin@thefsi.us)

This class focuses on plant biology - including concepts such as structure and function, ecology and evolution, diversity and explores the connections between plants and people. Other topics include fauna, wilderness ethics, and conservation. Multiple field trips are incorporated into the curriculum as well as guest speakers and labs.

Math IV (Teacher: Jessica Fine - jfine@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: Jessica Fine - jfine@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 for AP Precalculus](#). 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 Statistics (Teacher: Jessica Fine - jfine@thefsi.us)

This course is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions.

AP Statistics Summer Work

Please complete this [Summer Assignment for AP Statistics](#). It includes an introductory letter with an explanation of the assignment as well as a link to some resources that will help you complete it. 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.

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:

Gretchen Kehrberg, Exceptional Children (gkehrberg@thefsi.us)

Heather Kabat, Spanish (hkabat@thefsi.us)

JaneAnne Tager, College & Career Counselor (jtager@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 Scissors Gluestick Multi-colored highlighters Readable writing utensils	Index cards Notebook paper
Economics	1 3-ring binder Notebook paper	Poster boards (3 or 4) Index cards
NC Wildlife	1 spiral notebook	
Honors Physics	1 spiral notebook 1 scientific calculator (does not need to be graphing, recommended: TI36X-Pro)	Ruler (with in & cm)
Math IV	1 3-ring binder (1.5-2 inches)	
AP PreCalculus, AP Statistics	1 3-ring binder (1.5-2 inches)	A graphing calculator (e.g. TI-84) will be essential, and I highly suggest buying one if that doesn't put a strain on your family. Some will be available for your use in class if this is a financial burden.
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)