



Welcome to the 11th Grade!

The 11th Grade Team is so excited to begin the school year with the students and parents of the Class of 2024! Junior year will challenge students (and parents) in ways that are intimidating, enlightening, necessary, and exciting. It's our goal as an 11th Grade Team to push and support every student and family through the coming months. It's going to be a great year!

During the first week of school, we will be sharing information with you on the basic expectations and operations for each class—but until then, below is a brief introduction to the core classes most of you will be taking this year, as well as supply lists that will help set each student up for success right out of the gate.

Fees: There is a one-time \$15.00 materials fee, which covers things like expedition materials, science labs, supplemental reading books, workbooks and other instructional consumable materials. The school will send out invoices for the consumables fee through email at the beginning of the school year which can be paid online or by cash or check.

American History

Our American History course examines America's mission to create a more perfect union. During the first semester, we examine the struggle to form a more perfect union through the actions and accomplishments of civil rights movements; including Native Americans, African Americans, Women, Immigrants, Impoverished Americans and LGBT movements. During the second semester, we examine the struggle to create a more perfect world; including America's involvement in the Spanish American War, World War I, World War II, The Cold War, The War on Terror and beyond. Throughout the year, we ask and answer three major questions: What is the changing role of the United States government in citizens' lives? How have specific individuals and groups worked to form a more perfect union? What is the changing role of the United States in world affairs?

Instructor: Tess Barnes Dunn

Student Teacher: Kaitlynn Farmer

Math III

My name is Teshale Byan. I am very excited about the opportunity to have your child in my class this year. I am looking forward to an enjoyable, educational, and positive learning experience for your child. Everything your child needs to succeed in my class can be accessed through Canvas under my weekly Modules. You can also find more information about my class in the course syllabus on Canvas. I believe everyone has different learning styles and I will do my very best to get to know your child's learning preference to serve them best. I want to let you know that I am open to any suggestions that will help your child excel in math class. I would also appreciate any kind of support you can give your child at home. I am available to answer any questions that you may have. I have found that email has certainly made communication with parents much easier; however if there is an urgent matter, I would like to contact you via phone. My email address and phone number are listed below. Again, I am thrilled to have your child in my class, and I am looking forward to a productive and exciting school year.

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.

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 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.

Chemistry

We will explore chemistry through the lense of 5 questions: Should we look for life on other planets? Why do cars run on gasoline and not rocket fuel? Why are the shellfish dying? How can a small amount of nuclear material power an entire city and also destroy it? And, Is there a way to stop or slow polar ice melting before the sea level rises too much? By delving into these topics, we will learn about atomic structure, ionic and covalent bonding, bond energy, chemical reactions, acid and base chemistry, and radioactivity on a need to know basis. Students will be asked to ponder these questions and generate questions of their own. We will do many experiments and investigations and the class will be fun and collaborative. I'm excited to teach your students and enjoy teaching diverse learners! Please make note of the required supplies below and reach out if you have questions or concerns.

Msmith@thefsi.us

Chemistry Honors

Students will learn chemistry topics including atomic structure, ionic and covalent bonding, bond energy, chemical reactions, stoichiometry, acid and base chemistry, gas laws and radioactivity. This course is intended to prepare students for further study in the basic sciences or engineering studies in college. In addition to learning these topics, students will also practice asking questions, designing experiments, technical writing, and technical presentation skills. We will do many experiments and investigations and students will have opportunities to apply their chemistry knowledge to broader topics of interest. Students in honors chemistry should expect to have weekly homework that include practice problems and finishing up lab reports and projects started in class. I enjoy teaching to diverse learners and always seek to help students figure out how to be successful in my class. Please don't hesitate to reach out if you have questions or concerns. Msmith@thefsi.us

English III

In English III, we will focus on mainstays of American literature, with emphases on gaining skills in rhetoric and argumentation. Students in this class will read a blend of works, ranging from texts as old as *The Great Gatsby*, and as contemporary as Hanif Abdurraqib's essay "Nine Considerations of Black People in Space." The primary goal of English III is two-fold. First, it's important for students in English III to practice a general curiosity that can be applied to different styles of writing, different types of narratives, and most importantly, to the wide range of experiences we encounter through writing. Second, students will also be asked to analyze and implement both analytical and argumentative writing of their own at a high level. I know every student has a different relationship with reading and writing, and every student should find themselves included and encouraged to be an active participant in our literary work this year. If you have any questions, please feel free to contact me at bhead@thefsi.us

AP English Language and Composition

AP English Language (AP Lang for short), is unlike most English classes students will have taken up to this point in their academic careers. AP Lang is, first and foremost, a college-level English class. Students will be asked to work every day to prepare for the class, and will be held to college-level expectations from the first day of school. While we will engage with several works of American literature in the class, our focus will largely be on rhetoric and argumentation. Students will read largely works of historical and contemporary nonfiction, supplemented by poetry and novels at times. In AP Lang, students write. They write a lot. Within the first quarter, every student's writing style should shift dramatically away from the first few assignments they turn in. In order to accomplish this, students in AP Lang should expect to complete multiple assignments each week after class, in order to keep up with the pace and rigor of the course. With that being said, AP Lang is a class in which any student can find success, regardless of reading or writing ability entering the grade. If you have any questions, please feel free to contact me at bhead@thefsi.us.

Supply Lists

American History

1 composition notebook

AP Lang

Three Ring Binder

Composition Notebook

Loose Leaf Paper

Pens, Pencils, Highlighters

Flashcards

English III

Three Ring Binder

Composition Notebook

Loose Leaf Paper

Pens, Pencils, Highlighters

Math III

Composition notebook (graph paper)

Calculator

Pens, Pencils, colored pens for notes and graphs

Ruler (Compass set - optional)

Chemistry

Supplies:

three ring binder

Pens, Pencils, colored pens for notes and models

Scientific Calculator- [TI-30XIIS™](#), [TI-30XS MultiView™](#), [TI-36X Pro](#)

Optional for classroom: sticky notes, small plastic cups

Chemistry Honors

three ring binder with dividers

Notebook paper

Pens, Pencils, colored pens for notes and models

Scientific calculator- [TI-30XS MultiView™](#) or [TI-36X Pro](#)

Optional for classroom: sticky notes

AP Seminar

Three Ring Binder

Composition Notebook

Loose Leaf Paper

Pens, Pencils, Highlighters

Plastic Dividers

Art Courses

Some supplies vary depending on the level of the 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)

Math IV, PreCalculus, AP Statistics	Required: 1 3-ring binder (1.5-2 inches)	Requested: For AP Statistics, a graphing calculator (e.g. TI- 83) would be helpful, but some will be available for your use in class.
--	---	---