

GRADUATION REQUIREMENTS

SUBJECT	GRADE	CREDIT	CLASS	OPTIONS
English	9	1.0	English I	Standard or Honors
	10	1.0	English II	Standard or Honors
	11	1.0	English III	Standard, Honors, Dual Enrollment, IB
	12	1.0	English IV	Standard, Honors, Dual Enrollment, IB
Math	9	1.0	Integrated Math I	Standard or Honors
	10	1.0	Integrated Math II	Standard or Honors
	11	1.0	Integrated Math III	Standard or Honors
	12	1.0	4 th Math* (see options on page 3)	Standard or some Honors or IB
Social Studies	10	1.0	World History & Geography	Standard, Honors, AP
	11	1.0	US History & Geography	Standard, Honors, IB HOA
	12	1.0	Government (0.5) & Economics (0.5)	Standard (unless in IB HOA)
	Varies	0.5	Personal Finance	Standard or some Dual Credit
Science	Varies	1.0	Biology	Standard or Honors
	Varies	1.0	Chemistry (or Physics if offered)	Standard or Honors
	Varies	1.0	3 rd Lab Science (ex. Physical Science)	Standard or some Honors or IB
World Language	Varies	1.0	Spanish I	Standard
	Varies	1.0	Spanish II	Standard or Honors
Fine Art	Varies	1.0	Fine Art	Standard or IB
Wellness & PE	Varies	1.0	Lifetime Wellness (not the same as PE)	Standard
	Varies	0.5	Physical Education	Standard
Focused Pathway	10	1.0	Pathway I (Career Tech Ed)	Standard or some Dual Credit
	11	1.0	Pathway II (Career Tech Ed)	Standard or some Dual Credit
	12	1.0	Pathway III (Career Tech Ed)	Standard or some Dual Credit
Electives	Varies	5.5	Electives	Varies

*Students must be enrolled in a math class every year, even if they have already earned 4 credits in math.

THE ACT IS REQUIRED TO GRADUATE

Taking a complete and official ACT is a graduation requirement in Tennessee. Your ACT Score does not matter for graduation purposes. Juniors will take the ACT at school in the spring semester.

GRADE AVERAGING

If you failed a class 1st semester, you can still grade average and get your full credit by getting a high enough grade 2nd semester. To figure out the grade you need, subtract your 1st semester grade from 139.

$$139 - 1^{\text{st}} \text{ Semester Grade} = \text{Grade You Need } 2^{\text{nd}} \text{ Semester}$$

For example, what grade does this student need to get in Spanish II 2nd semester to grade average and get their full Spanish II credit?

Answer: 71

G03H03 Biology I S1	74	0.5000	0.5
G01H10 English II S1	79	0.5000	0.5
Y01H04 English Link II S1	79	0.5000	0.5
G02H20 Integrated Math II S1	86	0.5000	0.5
G04H36 Personal Finance S1	87	0.5000	0.5
G24H05 Spanish II S1	68	0.5000	0
G04H10 World History & Geog S1	89	0.5000	0.5
Credit: 3.500 GPA: 2.00000 U/W GPA: 2.00000			

HOPE SCHOLARSHIP

The HOPE Scholarship (\$3,500 per year) requires either a 3.0 unweighted cumulative final GPA or a 21 on the ACT.

For example, if this student has a 19 on their ACT, do they qualify for the HOPE Scholarship? **Answer: No**

GPA Summary	
Cumulative GPA (Weighted)	3.08871
Cumulative GPA (Unweighted)	2.87097

CORE ACADEMIC OPTIONS

ADVANCED ENGLISH OPTIONS

DUAL ENROLLMENT ENGLISH: This course is taught following the standards for English at Nashville State Community College. The course is taught at Hillsboro and students can earn high school credit for English III and English IV as well as college English credit. The course involves in-depth analysis of various texts and significant writing assignments. *Students must take and pass a placement test at Nashville State in order to be allowed to take this class.* **E-mail Mrs. Pfleegor for more information.** Erica.Pfleegor@mnps.org

IB ENGLISH LANGUAGE: This two-year course is made up of 4 parts: 2 parts language, and 2 parts literature. Students will develop skills of textual analysis in the context of culturally determined reading practices. Texts are read in translation so that students can consider the different ways in which cultures influence and shape the experiences of life common to all humanity. The course seeks to develop in students an understanding of how language, culture, and context determine the ways in which meaning is constructed in texts. In order to accomplish this goal, students develop the ability to think critically about the varied interactions among text, audience, and purpose. **Only rising juniors can sign up for IB classes and all IB classes must be taken both junior and senior year.**

ADVANCED SOCIAL STUDIES OPTIONS

AP HUMAN GEOGRAPHY: The purpose of the AP course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. On successful completion of the course, the student should be able to: use and think about maps and spatial data, understand and interpret the implications of associations among phenomena in places, recognize and interpret at different scales the relationships among patterns and processes, define regions and evaluate the regionalization process, and characterize and analyze changing interconnections among places. *This is a required course for students in IBDP and a recommended course for students in IBCP.* The course will fulfill the World Geography requirement for graduation.

IB HISTORY OF THE AMERICAS: This course is an in-depth study of the 20th century that continues and expands the previous year's study. Students will focus on domestic and international events within the comparative framework of the history of the United States, Canada, and Latin America. During the course, students will complete an internally assessed paper based upon individual research. The course will prepare students for the IB examination, which is assessed by external examiners. This two-year programme fulfills the U.S. History, Government, and Economics requirements for graduation. IB certificate candidates may take this year of the two-year course to earn SL level credit in IB History of the Americas. **Only rising juniors can sign up for IB classes and all IB classes must be taken both junior and senior year.**

SCIENCE OPTIONS

CHEMISTRY I (STANDARD): Students will study atomic structure, matter & energy, interactions of matter, and technology & engineering. Students should explore chemistry through inquiry, hands-on laboratory investigations, individual studies and group activities. Their study should include both qualitative and quantitative descriptions of matter, and the changes that matter undergoes. Students should practice the necessary precautions for performing safe inquiries and activities, and appreciate the risks and benefits of producing and using chemical substances. Chemistry is required for all medical and health-oriented careers, as well as careers involving agriculture, engineering and homemaking. All students enrolled in the course will be administered the Chemistry End of Course test. The test will count as a portion of the final grade for the course.

CHEMISTRY I (HONORS): Chemistry I Honors deals more extensively with the abstract concepts of chemistry and incorporates a more extensive practice of higher order thinking skills and science process skills. Students will study atomic structure, matter & energy, interactions of matter, and technology & engineering. Honors courses must substantially exceed the content standards and learning expectations of regular courses. Honors courses must incorporate projects, open-ended investigations, technology, and problem solving experiences plus other additional components. Students should explore chemistry through inquiry, hands-on laboratory investigations, individual studies and group activities. Their study should include both qualitative and quantitative descriptions of matter, and the changes that matter undergoes. Students should practice the necessary precautions for performing safe inquiries and activities, and appreciate the risks and benefits of producing and using chemical substances. Chemistry is required for all medical and health-oriented careers, as well as careers involving agriculture, engineering and homemaking. All students enrolled in the course will be administered the Chemistry End of Course test. The test will count as a portion of the final grade for the course.

ENVIRONMENTAL SCIENCE: Students are provided the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world, while engaging in laboratory and field investigations. Students are asked to identify and analyze environmental problems, both natural and man-made to evaluate the relative risks associated with these problems, and to examine alternative solutions to resolving and/or preventing them.

IB BIOLOGY: Biology IB is a process-driven course containing internal and external assessment components. In addition to short- and long-term laboratory experiences, students demonstrate their ability to design and execute scientific investigations through an interdisciplinary group project. **Only rising juniors can sign up for IB classes and all IB classes must be taken both junior and senior year.**

IB SPORTS and EXERCISE SCIENCE: This science course involves a two-year study of the science that underpins physical performance and provides the opportunity to apply these principles. The course incorporates the traditional disciplines of anatomy and physiology, biomechanics, psychology and nutrition, which are studied in the context of sport, exercise and health. Students will cover a range of core and option topics and carry out practical (experimental) investigations in both laboratory and field settings. This will provide an opportunity to acquire the knowledge and understanding necessary to apply scientific principles and critically analyze human performance. Where relevant, the course will address issues of internationalism and ethics by considering sport, exercise and health relative to the individual and in a global context. **Only rising juniors can sign up for IB classes and all IB classes must be taken both junior and senior year.**

NAME: _____

IB ENVIRONMENTAL SYSTEMS: Environmental Systems and Societies is firmly grounded in both a scientific exploration of environmental systems in their structure and function, and in the exploration of cultural, economic, ethical, political, and social interactions of societies with the environment. As a result of studying this course, students will become equipped with the ability to recognize and evaluate the impact of our complex system of societies on the natural world.

4th MATH OPTIONS (not including IB)

BRIDGE MATH: Bridge Math is a course intended to build upon concepts taught in previous courses to allow students to gain a deeper knowledge of the real and complex number systems as well as the structure, use, and application of equations, expressions, and functions. Functions emphasized include linear, quadratic and polynomial. Students continue mastery of geometric concepts such as similarity, congruence, right triangles, and circles. Students use categorical and quantitative data to model real life situations and rules of probability to compute probabilities of compound events. This course is designed for students who need to refresh core mathematics skills prior to further study. It is recommended that students who have not scored at least a 19 on the ACT assessment take this course to be better prepared for post-secondary study. The Bridge Math Course is intended to provide students with an opportunity to revisit concepts from previous math courses while making connections and solving real world word problems. *****Bridge Math is not approved by the NCAA.*****

STATISTICS: Statistics is designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The major themes in Statistics include: interpreting categorical and quantitative data, conditional probability and other rules of probability, using probability to make decisions, and making inferences and justifying conclusions.

PRE-CALCULUS WITH TRIGONOMETRY (HONORS): Pre-Calculus with Trigonometry deals with the topics of vectors, analytic geometry, theory of equations, logic and limits. Included in the course are in-depth studies of the conic sections, higher degree equations, sequences and series, and the fundamental theorem of algebra. This course also includes the study of the properties of the trigonometric functions, their graphs and their applications to various mathematical situations including the solution of triangles. Trigonometry has applications in surveying, navigation, construction work and is particularly essential for higher level courses in mathematics and physics. Extended group activities, individual projects and portfolios are incorporated to provide additional measures of student progress.

ELECTIVE OPTIONS

VOCAL MUSIC

Mixed Choir This course will help the student develop music reading skills, and will include ear training and sight singing. After school and/or evening performances may be required.

Chamber Choir This course gives the advanced singer an opportunity to perform unaccompanied literature written predominantly in the 16th and 17th centuries that has a complex polyphonic nature. The literature to be studied was specifically written for madrigal groups. After school and/or evening performances may be required.

Pop Ensemble This course is for the student who has had prior instrumental or vocal training. It is designed for those students who have an interest in performing in the pop music genre. Music theory and music history, as well as improvisation will be covered in this course. After school and/or evening rehearsals and performances may be required.

GENERAL MUSIC

General Music This is a course in the basic understanding of the development of music with emphasis on style, form, history and repertoire, from the 1800's to the present.

Music Theory: This class will focus on three main ideas: the different characteristics of music and its creation, the history and evolution of music, and creating original musical compositions. Students will go beyond the notes and rhythms to develop a deeper understanding and appreciation for the meaning behind musical works. Students will have the opportunity to study a variety of musical works from all genres and eras. Students will use their knowledge and skills to create original compositions that will be utilized in a performance setting. This course is designed for any grade level with no requirements needed. Any student with a love for music who wants to go beyond the general concepts and ideas of music is invited to join.

INSTRUMENTAL MUSIC

Concert Band: This is an instrumental music ensemble for wind and percussion players. This group will prepare a variety of musical selections throughout the year and perform several concerts in the fall and spring semesters. This ensemble will consist of 9-12 graders and you should have prior experience playing a musical instrument.

Orchestra: This is an instrumental music ensemble for strings. This group will prepare a variety of musical selections throughout the year and perform several concerts in the fall and spring semesters. This ensemble will consist of 9-12 graders and you should have prior experience playing a string instrument.

Wind Ensemble: This is an instrumental music ensemble for wind and percussion players. This group is an auditioned only group comprised of 10-12 graders This group will prepare a variety of musical selections throughout the year and perform several concerts in the fall and spring semesters. In addition, this ensemble will travel to area festivals and events to perform.

NAME: _____

Classical Guitar I This course is designed for the beginning student wishing to learn the basic fundamentals of guitar playing. Through the use of first position chords, the student will be able to accompany himself with folk songs and melodies. Students will need their own guitars for practice. This course also incorporates elements of music theory and music history. After school and/or evening performances may be required for this course.

THEATER & PERFORMING ARTS

Theatre Arts I: This is a low-pressure level one course that introduces students to the world of theatre! In this class we take a tour of all that theatre has to offer including playwriting, theatre history, musical theatre, technical theatre, and performance! This is not an acting class but rather offers something for everyone interested in learning about the tradition of theatre arts! (no recommended pre-requisites)

Theatre Arts II: This is a level two course that dives deeper into two areas of theatre studied in Theatre Arts I. Student are introduced to Technical Theatre + Design for semester one and performance and acting for semester two. It is also a low-pressure experience that helps students get more comfortable in the art of theatre. (recommended pre-requisites: Theatre Arts I)

Theatre Arts III: This is a level three course that continues to dive deeper into what theatre has to offer. In this class, students have more opportunities to design and perform. Acting Students learn more about the art of script analysis, preparation for acting, monologue work, scene work, and improvisation. Tech students get to try their hand at completing designs for the stage as well as building sets for our shows. (recommended pre-requisites: Theatre Arts I and Theatre Arts II)

VISUAL ARTS

Visual Arts I: In this course students will learn to understand and interpret art and its meaning, learn a variety of art making skills and techniques, and learn about professional artists and their work. (no pre-requisites)

Visual Arts II: In this course students will learn how to observe and capture the world around you through drawing, painting, photography, and design. Students will also learn the influence of various artists on the world we live in today, and how to use visual art to communicate personal messages. (recommended pre-requisites, Art 1)

Visual Arts III: In this course, students will study and learn about sculpture techniques, ceramics and pottery, fiber arts, and mixed media. (recommended pre-requisites, Art 1)

Visual Arts IV This elective course focus on portfolio, college, career, scholarship. It will provide a high-level art class to non-IB students who may be considering a career in the arts, are hoping to gain college entrance for the arts, create work for competition or scholarship, or hope to continue their art education at a more challenging level. All medias will be considered, and work will be more individually driven- similar to IB art. Art 2 courses, A/V, and digital arts CTE classes are all acceptable as a prerequisite.

Digital Arts/Design This course provides a foundation in visual communication concepts and design strategies. Course content is designed to foster skills and understanding that are essential in modern digital graphics, motion graphics, publishing, Web, film/video, photography, and animation graphic industries. Focus will be on developing understanding of key design concepts and strategies, along with design challenges that translate into creative communication solutions which accurately and effectively reach targeted audiences.

Media Arts (YEARBOOK) This course provides a study of the basic principles of journalistic reporting and writing including the aims, organizations and arrangements of publications and practice in all major phases of journalistic writing. The emphasis will be on producing the yearbook.

OTHER ELECTIVES

Psychology/Sociology In **Psychology** students learn the development of scientific attitudes and skills, including critical thinking, problem solving, and scientific methodology. Students will also examine the structure and function of the nervous system in human and non-human animals, the processes of sensation and perception, and life span development. Students will study social cognition, influence, and relations. Students will examine social and cultural diversity and diversity among individuals. Students will study memory, including encoding, storage, and retrieval of memory. Students will also study perspectives of abnormal behavior and categories of psychological disorders, including treatment thereof. Throughout the course, students will examine connections between content areas within psychology and relate psychological knowledge to everyday life. Students will explore the variety of careers available to those who study psychology. In **Sociology** students will explore the ways sociologists view society, and also how they study the social world. In addition, students will examine culture, socialization, deviance and the structure and impact of institutions and organizations. Also, students will study selected social problems and how change impacts individuals and societies.

African-American Studies In this elective course students will examine the life and contributions of African Americans from the early 1600's through modern America. Students will explore the influence of geography on slavery and the growth of slavery on the American continent. Students will consider urban and rural African American communities and institutions in the North and South leading up to and during the Civil War. Students will investigate the rise and effects of Jim Crow and trace the impact of African American migration through the early twentieth century. Students will explore the impact of the Harlem Renaissance and the conditions and contributions of African Americans during the Great Depression and World War II. Students will examine the successes and failures of the Civil Rights Movement and consider the contemporary issues confronting African Americans.

Journalism Publications (NEWSPAPER) Formal classroom study and experience in the production of school publications, newspapers, and literary magazines form the basis for this course.

Contemporary Issues/Speech & Debate In **Contemporary Issues**, students study various dynamic issues facing today's society enabling them to discover their values and responsibilities as citizens in that society. The course will utilize six social studies standards of essential content knowledge and four process skills are integrated for instructional purposes. Students will utilize different learning methods to research, discuss, debate and formulate opinions on those contemporary issues. **Speech**

NAME: _____

& Debate is designed to teach the general principles of debate and provide experiences in informal and formal debating. Experiences often include training of debaters for competition.

Computer Applications This is a foundational course intended to teach students the computing fundamentals and concepts involved in the proficient use of common application software. Upon completion of this course, students will gain basic proficiency in word processing, spreadsheets, databases, and presentations. In addition, students will have engaged in key critical thinking skills and will have practiced ethical and appropriate behavior required for the responsible use of technology.

PHYSICAL EDUCATION

Lifetime Activities/Outdoor Education: **Lifetime Activities** is where we dive into the field of health and wellness by engaging in physical activities beyond team sports. We practice yoga, HIIT training, bodyweight movements, recreational games, and more. We expand the content knowledge of health and wellness beyond the K-12 realm and come at it from a holistic perspective. In **Outdoor Education**, the same principles apply as above with valuing movement, rigorous engagement with physical activity, health, and overall well-being but the setting has changed. We assess the outdoors from human survival, activities (hiking, walking, fishing, camping, etc.), stargazing, cooking, and overall health.

Weight Training This course is designed to teach students the safe and effective techniques of weight training. Students will learn the basic fundamentals of weight training, strength training, aerobic training, and overall fitness training and conditioning. Strength training programs will be developed to meet individual student needs. Students will develop, assess and modify personal fitness plans for weight/strength training.

IB ELECTIVES

ONLY RISING JUNIORS CAN SIGN UP FOR IB ELECTIVES

RISING SENIORS MUST CONTINUE THEIR IB ELECTIVES

****ALL IB ELECTIVES MUST BE TAKEN BOTH JUNIOR AND SENIOR YEAR****

IB Business Management Business and management, a 2-year course, is a rigorous and dynamic discipline that examines business decision-making processes and how these decisions impact and are affected by internal and external environments. It is the study of both the way in which individuals and groups interact in an organization and of the transformation of resources. This course is designed to develop an understanding of business theory, as well as an ability to apply business principles, practices, and skills. The application of tools and techniques of analysis facilitates an appreciation of complex business activities. The course considers the diverse range of business organizations and activities and the cultural and economic context in which business operates. Emphasis is placed on strategic decision-making and the day-to-day business functions of marketing, production, human resource management, and finance. The course encourages the appreciation of ethical concerns and issues of social responsibility in the global business environment. Students should be able to make sense of the forces and circumstances that drive and restrain change in an interdependent and multicultural world. The business and management course will contribute to students' development as critical and effective participants in local and world affairs.

IB Psychology This course focuses on the study of development in an individual's biological, cognitive, social, emotional, and cultural behavior. The course will utilize three perspectives in its study. Students will gain an understanding of the biological perspective, the cognitive perspective, and the learning perspective. Students will compare how these three perspectives are applied to human development. By the middle of the second semester, students will complete the internal assessment as detailed by the International Baccalaureate Organization. During the latter part of the second semester, the students will apply the three perspectives to the option study of cultural psychology. The differences and similarities among cultures and people and how they relate to one another will be part of the option study. Paper 1 and Paper 2 will be completed in the second semester.

IB Visual Art The aims of Visual Arts SL and HL are to enable the students to develop technical abilities, explore and value the diversity of the arts across time, place and cultures and demonstrate proficiency in a variety of media while pursuing their area of artistic interest. IB Visual Arts provides students with opportunities to make personal, sociocultural, and aesthetic experiences meaningful through an emphasis on the production and understanding of art.

IB Music Students may focus on solo performance, group performance, or composition. Students will learn comprehensive music history, how to analyze and compose music; for a performance component, a recital will be required. As a solo performance track, the student may play any instrument or sing. A recorded recital will be submitted at the end of the semester for credit. As a group performance member, the student must be involved in an outside ensemble—vocal or instrumental—which can have a recorded performance for credit submission.

IB Theatre This is a course in which students research, study and actively participate in all areas of theatre: performance, production, directing, dramaturgy, theatre history, theatre criticism, theatre genres, and theatre styles. Students study at least two contrasting theatre practices, and a minimum of two plays from various theatrical tradition and cultures other than their own, while at the same time studying performance and production techniques. IB assessments include a portfolio of independent project in acting, directing, designing or specific practical study of a theatre practitioner or genre; a presentation that serves as an evaluation of their development in performance and production techniques; a research investigation in which they take on the role of dramaturgy studying a theatrical tradition before unknown to them; and a practical performance proposal in which they create a detailed and imaginative concept of an original performance from a selected stimulus.