



MESSAGE FROM THE PRINCIPAL

Dear Spartan Students,

Welcome to North Springs Charter High School, *A School of Higher Learning* where our focus is on student achievement for *all* students.

This is an exciting time in your life, discovering more about yourself, defining who you are and who you will be. It's also an important time for you to build a strong, academic foundation for your future. At North Springs we want you to be an engaged, successful learner and enjoy the fun of being a high school student.

That's why we've prepared this new curriculum guide - to help you in your high school journey as you plan and decide what courses you'll take. In this guide you'll find our program offerings, course descriptions and important grading and graduation information. We want you to be successful and to take full advantage of all the opportunities you have at North Springs.

While you're making your selections please remember to

- Focus on academics** - we have created a curriculum with rigor and relevance. Be sure to consider what diploma you want to achieve to make sure your course selections will meet the requirements by the time you graduate.
- Challenge yourself** - register for classes that will challenge you! We offer 24 advanced placement classes, career pathways, joint-enrollment classes, and mentorship opportunities – some available to freshmen and sophomores while all are open to qualified juniors and seniors.
- Get involved** - we are proud to offer clubs, activities and competitions that support leadership, academics, athletics, and the arts. Our charter encourages you to be involved in at least two extracurricular activities.
- Ask questions** - Review this guide with your parents and/or guardian and consider your options carefully. If you have questions about the selection process, please contact our Guidance Department at 470-254-2498

We look forward to providing you with a positive, enriching and nurturing school environment at North Springs Charter High School. Make the most of your time here, enjoy success and *Go Spartans!*

Scott Hanson
Principal



STUDENT ACHIEVEMENT PROGRAMS

OUR FOCUS IS ON STUDENT ACHIEVEMENT

North Springs Charter High School was built in Sandy Springs in 1963. While much has changed in the school and our community in this time, our commitment to providing students with the best preparation for the world that awaits them after graduation still remains. In 2007, we were the first high school in the Fulton County School system to become a charter school. We are excited to be operating under our newly approved renewal charter and launching the four Academies at North Springs, smaller learning communities focused around specific academic courses and career interests.

The academies include the Career, Technical & Leadership Academy, the Humanities Academy, the Math & Science Academy and the Visual & Performing Arts Academy, each offering unique opportunities and diplomas of increasing rigor. North Springs continues to offer the only dual magnet programs in Georgia within the Math & Science and Visual & Performing Arts Academies.

Advanced Placement (AP) Courses

North Springs Charter High School offers numerous Advanced Placement courses representing language arts, mathematics, science, social studies, world languages, music, and visual art. Most colleges and universities award credit for specific levels of performance on the AP exams given in May. Enrollment is open to all qualified students. Completing the appropriate AP exam is mandatory in order to receive AP credit for the course. Interested students should contact an AP instructor or guidance counselor for information and application procedures. Interested students are highly encouraged to attend AP night, which educates parents and students on the many aspects of taking an AP class.

College Dual Enrollment

Juniors and Seniors may enroll at a two-year, four-year, or technical college and take one or more courses which simultaneously count toward their high school diploma requirements as well as toward their college degree. Students may attend college full or part-time, during their junior or senior year. Various sources are available that cover tuition costs and other expenses.

Students should discuss dual enrollment with their guidance counselor and must apply to the specific institution, meet residency requirements, and minimum GPA, SAT/ACT requirements to be accepted.



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AVID

Simply, AVID trains educators to use proven practices in order to prepare students for success in high school, college, and a career, especially students traditionally underrepresented in higher education.

AVID brings research based strategies and curriculum to educational institutions in elementary, secondary, and higher education. The AVID System annually provides more than 30,000 educators with training and methodologies that develop students' critical thinking, literacy, and math skills across all content areas throughout the entire campus, in what we call Schoolwide AVID.

AVID:

- Teaches skills and behaviors for academic success
- Provides intensive support with tutorials and strong student/teacher relationships
- Creates a positive peer group for students
- Develops a sense of hope for personal achievement gained through hard work and determination

Georgia Tech Math

Georgia Tech Calculus program is a virtual calculus series offered at North Springs. This class allows accelerated math students who have taken the highest level math offered on campus to continue math through Georgia Tech. The class is taught by a college professor in a North Springs classroom via satellite. Students receive college credit for Calculus 2 and Calculus 3 upon completion of both semesters. Prospective students need to speak with their counselor about deadlines and the application process.

Online Learning Programs

An educational opportunity where students can take classes through approved distance learning educational institutions may benefit some students. The following guidelines must be considered:

- ◇ Students should only consider taking online courses if they cannot take the course in their regular class schedule and/or Summer School.
- ◇ Students must meet with their counselor to fill out an "Off Campus Course Request Form" before signing up for an online course if outside of or other than Fulton or Georgia Virtual School.

Work-Based Learning Programs

The Work-Based Learning Program allows qualified juniors and/or seniors to receive course credit for a supervised work experience. Work Based Learning is available through all of the Career and Technical Pathways. Please see Ms. English if you are interested. The CTI (Career Technical Instruction) Work Program is also available through IRR services. Please see Mr. Greb if you are interested. Both of these programs provide on-the-job work experience. Participants are given release time from school to complete their work experience. Students must provide their own transportation to the internship site.

STUDENT ACHIEVEMENT PROGRAMS

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Services for Exceptional Children (SEC)

North Springs Charter High School offers services to students with identified disabilities according to IDEA under the Americans with Disabilities Act. Individual Education Plans (IEPs) are developed annually according to the student's birthday. The SEC program includes core academic courses offered in the least restrictive environment (consultative, support, team taught, or self contained) as determined by the IEP team.

Teachers of SEC classes will assist all identified students and their parents in planning the most appropriate choice of classes. Please contact your child's case manager or his/her counselor with any questions.

ELL

Students qualifying for ESOL services through testing are scheduled for appropriate classes based on their English proficiency. Sheltered academic classes are available for students to build language proficiency while earning academic credits. Sheltered classes offered vary from year to year. Student needs drive the creation of a sheltered class. The Push-In ESOL model is a service delivery model designed to support language and content instruction in the mainstream classroom where a mainstream teacher plans and team teaches along with an endorsed ESOL teacher for core content classes. The content area teacher provides instruction in the content area, and the ESOL teacher supports the content with language assistance for ELL's. As a student's English ability increases, he or she moves into mainstream college or career preparation classes.

New students, should contact the Counseling Office to make an appointment for registration and testing for the ESOL program at North Springs Charter High School.

Career-Technology Pathways

North Springs offers seven concentrations of study in the Career Technology Pathway

- ◇ **Allied Health and Medicine Pathway** provides challenging academic courses, relevant on-the-job experience, and specialized technical skills. Students learn basic concepts of health, wellness, and preventative care.
- ◇ **Diagnostic/Non-Invasive Technology in Healthcare** will enable students to receive initial exposure to the many Healthcare Science careers as well as employability, communication, and technology skills necessary in the healthcare industry
- ◇
- ◇ **Medical Service Internship**
- ◇ **Computer Science**
- ◇ **Entrepreneurship Pathway (Accelerated)** is the pathway for students who plan to own and operate their own businesses.
- ◇ **Graphic Design Pathway** teaches students the process of communicating visually using typography and images to present information. The courses introduce students to the graphic software used in the graphic design industry .
- ◇ **Audio-Video Technology & Film Pathway** prepares students for employment or entry into a post-secondary education program in the Broadcast/Video Production field.
- ◇ **JROTC Army Pathway** is a leadership education program which helps students build a strong knowledge base of self-discovery and leadership skills applicable to many leadership and managerial situations.

STUDENT ACHIEVEMENT PROGRAMS

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Talented and Gifted Program (TAG)

The Talented and Gifted program at North Springs Charter High School meets the requirements of the Georgia Department of Education and provides diverse, high-quality opportunities for the student. Based on the philosophy of nurturing the unique learning characteristics, interests, and capabilities of the gifted student, the goals of gifted services in Fulton County are to develop:

- ◇ Advanced research methods and independent study skills
- ◇ Creative thinking and creative problem-solving skills in order to be a generator of ideas and products original to the student
- ◇ Higher-Order and critical thinking skills
- ◇ Advanced communication skills which incorporate new techniques, materials, and formats in the development of products and ideas which will be shared with real audiences.

Grading Scale

All grades are reported numerically on transcripts and report cards. The grading scale is as follows:

- A= 90 and above
- B= 80-89
- C= 70-79
- F= 69 and below

Promotion/Retention

North Springs Charter High school students must earn a certain number of units in order to earn promotion to the next grade level.

Requirements for promotion are:

NSCHS Promotion Requirements	Grade 9 to 10	Grade 10 to 11	Grade 11 to 12
NSCHS Credit Requirements	5 credits	12 credits	19 credits
Core course requirements (Math, Science, Language Arts and Social Studies)	1.5 core credits earned	4 core credits earned	9 core credits earned
EOCT Requirements: Meet/Exceed expectations by GADOE	1 EOCT	1 EOCT	3 EOCTs

Sum-
mer

school is an extension of the previous school year; therefore, summer courses count toward promotion to the next grade level.



STUDENT ACHIEVEMENT PROGRAMS

OUR FOCUS IS ON STUDENT ACHIEVEMENT

Eligibility for Competitive Interscholastic Activities

Students participating in competitive interscholastic activities must have passed five (5) out of seven (7) classes during the previous semester. These subjects must carry credit towards graduation or grade promotion. Summer school is an extension of the second semester and will count towards eligibility for the first semester of the following school year. Students not meeting this requirement are not eligible for interscholastic competition until they complete this requirement at the end of a subsequent semester and are on track for graduation.

Schedule Changes

Once classes are scheduled in the spring of each year, it is difficult to make schedule changes because of schedule limitations.

If there is a need to request a schedule change, students or parents must do so in writing during the schedule verification process each spring. **Students along with parents must carefully consider all courses being requested, including the combined time commitment of multiple Honors and AP courses with respect to a student's total school work load. Schedules are assigned for the year, and no process for changing schedules exists after the school year begins.** During the verification period, course changes will be granted on an "as available" basis and only when stated timelines for requests are followed.

After classes have been scheduled in the spring, requests for course changes will be considered only for the following reasons:

- ◇ The student has failed a required course and must repeat the course
- ◇ The student has failed a course prerequisite and is not eligible to continue in the course sequence
- ◇ The student has failed to enroll in a course required for graduation
- ◇ The student demonstrates poor achievement in a prerequisite course and is advised by the teacher, counselor, and Curriculum Assistant Principal not to enroll in a more advance course
- ◇ There is a scheduling conflict or a course has been cancelled
- ◇ A circumstance scheduled and not altered is deemed "extenuating" and action feasible by the Curriculum Assistant Principal, and the consideration requested is made within the first 10 school days.

Requests for teacher changes will not be permitted nor will requests for changes of a class level, a class period, or a specific lunch period be honored.

North Springs reserves the right to make adjustments to student schedules due to changes in enrollment and/or to balance class sizes.

STUDENT ACHIEVEMENT PROGRAMS

OUR FOCUS IS ON STUDENT ACHIEVEMENT

Guidance and Counseling Services

The Counseling Department provides the following services:

- ◇ Individual Counseling
- ◇ Group Counseling
- ◇ Classroom Guidance
- ◇ Parent Conferences
- ◇ Post Secondary Planning
- ◇ Parent Meetings
- ◇ Assistance with School Wide Testing
- ◇ Community Referral Liaison
- ◇ Crisis Intervention
- ◇ Academic, Personal, and Social Counsel-

North Springs Charter High School offers a comprehensive guidance and counseling program. The counseling staff is committed to providing services and support to students, staff, parents, and the community in order to help each student achieve his/her educational, career, and personal goals. The counselors help plan, implement, and evaluate educational plans based on student needs. In the pre-registration process, a counselor will advise students and parents on appropriate course selection after reviewing the student's course selection, transcript, and teacher recommendations. Additionally, there are several instances during a student's high school career in which the counselor will review his/her progress and ensure requirements for graduation as well as requirements associated with future goals are being satisfied; however, students are also responsible for monitoring their progress and meeting requirements to graduate.

Parents and students can request appointments with their assigned counselor by calling the counseling office at 470-254-2498. Parents and students are encouraged to attend parent meetings and scheduled appointments in order to build a close working relationship with their counselor.

College and Career Center

The center is a warm and inviting place for students to come and explore college and career options. Students are encouraged to visit the College & Career Center before and after school, or during the first part of their lunch period. Parents are welcome to take advantage of these resources by making appointments to visit with our CCC Advisor. Catalogues, college guidebooks, and test preparation books can be borrowed and checked out for personal use. Computers are available for students to research colleges and scholarships, complete applications, and register for the SAT and ACT. College representatives visit North Springs, particularly in the fall and early spring, to meet with interested students.

The CCC host the following services:

- | | | |
|-------------------------|--|----------------------------|
| College visits | Lunch and Learn Series on Various Topics | Resume Writing |
| Summer Enrichment | College Application Process | Transcript Request |
| Mock Interviewing | Military Options | Test Preparation Tutors |
| Career Exploration | Financial Aid | Scholarships |
| SAT and ACT Preparation | Subject Area Tutors | Spring College/Career Fair |

GRADUATION INFORMATION

MINIMUM GRADUATION REQUIREMENTS

SUBJECT AREA AND CREDIT REQUIREMENTS

	Non-Magnet	Magnet
LANGUAGE ARTS	4	4
MATHEMATICS	4	4
SCIENCE	4	4
WORLD HISTORY	1	1
AMERICAN HISTORY	1	1
ECONOMICS	.5	.5
AMERICAN GOV'T	.5	.5
PERSONAL FITNESS	.5	.5
HEALTH	.5	.5
ELECTIVES	7	10
TOTAL CREDITS	23	26

GRADING SCALE

(UNWEIGHTED)

- A = 90 - 100 (4 quality points)**
- B = 80 - 89 (3 quality points)**
- C = 70 - 79 (2 quality points)**
- F = 69-Below (0 quality points)**

GPA CALCULATION

To calculate Grade Point Average (GPA), each letter grade is converted to a quality point number. The quality points are totaled and divided by the total by the number of classes on the schedule (seven for a full time student).

$$A = 4, B = 3, C = 2, F = 0$$

Example: The report card shows 3 A's, 3 B's, and 1 F. Each A earns 4 points = 12. Each B earns 3 points = 9, and the F earns 0 point = 0.
 $12 + 9 + 0 = 21$. Divide 21 by 7 = **3.000**.

The county office will calculate official GPAs and will be updated at the end of each semester.

Promotion Policy

The following requirements must be met to be promoted to the grade level indicated.

	Credits
Sophomores:	5
Juniors:	12
Seniors:	19

DIPLOMAS

NSCHS will continue to require 26 credits for students to earn a high school diploma, and will give all students options to pursue additional credits and a differentiated diploma designed to recognize higher levels of academic achievement.

Graduation Participation Requirements

Students must have fulfilled all State and County requirements for Graduation in order to participate in graduation ceremonies.

PREPARING FOR THE FUTURE

ACADEMIC RECOGNITION

National Honor Society (NHS)

The National Honor Society is a prestigious national academic organization. To become a member, students must demonstrate outstanding scholarship, active service, leadership and worthy character. Selection is made once a year with only juniors and seniors eligible. To qualify, the student must have a minimum cumulative weighted GPA of 3.5. Candidates must also meet the NHS criteria for service, leadership, and character. Applications are made available to those students meeting the GPA requirement.

Other Honor Societies

To recognize outstanding academic performance and course selection, each academic department has individual honor societies with specific criteria. These include, but are not limited to the National Art Honor Society, National Math Honor Society, National Science Honor Society, and the National English Honor Society.

GET INVOLVED

Students who are actively involved with academics and extracurricular activities normally find success in both. Review the clubs, sports, and performing arts choices listed below and plan to participate in one or more of your choosing.

CLUBS

21st Century Leaders	Junior Classical League
Animal Lovers	Ladies of North Springs
Anime Club	LEAD
Badminton Club	Men and Women of Distinction
Beta Club	Mock Trial
Cardz for a Cause	Model United Nations
Chinese Culture Club	My Little Brony
Choral Council Association	Open Heart-Open Hand
Classical Music Club	Philosophy Club
Community Assistance	Ping Pong
Spartans	Robotics Team
Computer Science Club	Sci Fi Club
D.I.Y.	Science Bowl
Echo Literary Magazine	Shakespeare Club
Executive Council/ SGA	Short Films
FBLA	Sparta Pride (LGBT)
FCA	Spartan Writer's Circle
FCCLA	Special Effects Club
Feed the Homeless	Stop SAM
French Club	Stop the Madness
Funky Friday Recycling Club	Take a Hike Hiking Club
Game Club	The Knit Knacks
History Bowl	Tri-M Music Honors Society
Homestuck and Webcomics	TSA
HOSA	Ultimate Frisbee
Interact	Unicef
Jewish Culture Club	Youth Against Poverty and Hunger

SPORTS

BOYS TEAMS	FALL SPORTS	GIRLS TEAMS
Football		Softball
Cheerleading		Cheerleading
Cross Country		Cross Country
Water Polo		Volleyball
	WINTER SPORTS	
Air Rifle		Air Rifle
Basketball		Basketball
Cheerleading		Cheerleading
Swimming		Swimming
Wrestling		
	SPRING SPORTS	
Baseball		Golf
Golf		Lacrosse
Lacrosse		Soccer
Soccer		Track and Field
Track and Field		Tennis
Tennis		

COURSE SEQUENCES

Course Sequence Suggestions

Language Arts (4 Units)	
Class	# of Units Required
9th Literature/Comp	1
10th Literature/Comp	1
11th Literature/Comp or AP Language	1
12th World Lit (.5) and Multi Lit./Brit Lit (.5) or AP Literature	1

Math (4 Units)	
Class	# of Units Required
Algebra 1 or Accel. Algebra 1 H	1
Geometry or Accel. Geometry H	1
Algebra 2 or Pre-Calculus/Pre-Cal H	1
Pre-Calculus/Pre-Cal H/AMDM or AP Math Course	1

Science (4 Units)	
Class	# of Units Required
Earth System or Honors Biology	1
Biology or Chemistry Honors Chemistry	1
Physics, AP Physics or Conceptual Physics	1
4th Science	1

Social Studies (3 Units)	
Class	# of Units Required
AP Human Geography (Elective)	1
World History, AP World History	1
US History, AP U.S History	1
American Gov't .5 Economics .5	1

Health & PE (1 unit)	
Class	# of Units Required
General Health	.5
Personal Fitness	.5

CTL and/or World Language and/or Fine Arts (3 Units)	
Class	# of Units Required
World Language	1
World Language	1
Optional 3rd year WL	1

***See **ing pages** **follow-**
sequencing within each Visual Performing Arts, Math/Science, Career Tech, and Humanities.
for

ELECTIVES

VISUAL AND PERFORMING ARTS MAGNET PROGRAMS

SUGGESTED COURSE SEQUENCING

*All courses are subject to pre-requisites and some may require auditions

PROGRAM	GRADE 9	GRADE 10	GRADE 11	GRADE 12
Band	Inter./Adv. Band (M) and/or Inst. Masters/Beg. Piano	Int./Adv. Band (M) and/or Inst. Masters/Music Theory 1/AP Music Theory/Beg. Piano	Int./Adv. Band (M) and/or Inst. Masters/Music Theory 1/AP Music Theory/Beg. Piano	Adv. Band and/or Inst. Masters/Music Theory 1/AP Music Theory/Beg. Piano
Choral Music	Ensemble (M) and/or Beg. Piano/Music Theory 1	Ensemble (M) and/or Beg. Music 1/AP Music Theory/Beg. Piano	Ensemble (M) and/or Music Theory 1/AP Music Theory/Beg. Piano	Ensemble (M) and/or Music Theory 1 or AP Music Theory/Beg. Piano
Music Theatre	Drama and Vocal Ensemble or Voice Class	Drama and Musical Theatre Class or Voice Class	Drama and Dance or Voice Class or Musical Theatre	Drama and Ensemble or Dance or Musical Theatre or Voice Class
Drama Acting	Acting I M and Tech I M	Acting II M and Tech II M/Musical Theatre	Advanced Drama I M	Advanced Drama II M
Drama Tech	Tech I M and Acting I	Tech II M and 2D/3D Design	Tech III M and Dramatic Writing	Tech IV and Tech IV M
Visual Arts	S1: Intro to Art S2: Design Fundamentals	S1: Art History or Art Elective S2: Art History or Art Elective	S1: Art Elective or Advanced Placement S2: Art Elective or Advanced Placement	S1: Art Elective and Advanced Placement S2: Art Elective and Advanced Placement
Visual Arts Electives	Drawing & Painting 1, 2, 3, 4 Printmaking 1,2 ,3,4 AP 2D Design AP Draw	Sculpture 1,2,3,4 Ceramics 1,2 ,3,4 AP 3D Design AP Art History	Photo Design 1,2,3,4 Jewelry Design 1,2 Art History 1-2	
Orchestra	Beg/Int./Adv./Mastery (M) and/or Beg. Piano/Music Theory 1/Beg. Guitar	Beg/Int./Adv./Mastery (M) and/or Beg. Piano/Music Theory/AP Music Theory/Advanced Guitar	Beg/Int./Adv./Mastery (M) and/or Beg. Piano/Music Theory/AP Music Theory/Advanced Guitar	Beg/Int./Adv./Mastery (M) and/or Beg. Piano/Music Theory/AP Music Theory/Advanced Guitar
Dance	Modern Dance 1M, 2M, 3M, 4M; Jazz 1M, 2M, 3M, 4M; Dance Comp M and Dance Composition *Placement dependent on level	Modern Dance 1M, 2M, 3M, 4M; Jazz 1M, 2M, 3M, 4M; Dance Comp M and Dance Composition *Placement dependent on level	Modern Dance 1M, 2M, 3M, 4M; Jazz 1M, 2M, 3M, 4M; Dance Comp M and Dance Composition *Placement dependent on level	Modern Dance 1M, 2M, 3M, 4M; Jazz 1M, 2M, 3M, 4M; Dance Comp M and Dance Composition *Placement dependent on level
Dance Electives	Ballet 1M, 2M, 3M, 4M or Dance Composition (Auditions are every Spring)			

MAGNET STUDENTS ELECTIVES

Math & Science Magnet Courses Single or Dual Magnet Program Requirements

Math and Science Electives	
Science Elective Course Offerings	<ul style="list-style-type: none"> ◆ AP Science Classes ◆ Human Anatomy ◆ Environmental Science
AP Statistics	AP Physics 1
AP Calculus AB	AP Biology
AP Calculus BC	AP Environmental Science
AP Computer Science	AP Chemistry
AP Micro/Macro	AP Physics 1 & 2

Humanities Electives		
Elective Classes	Elective Classes	Elective Classes
AP Psychology	AP Government	Science, Technology, and Society
AP Micro/Macro	Contemporary Literature	French, Spanish, Latin, Chinese
AP Art History	Legal Environment of Business	JROTC 1,2,3,4
AP Environmental Science	Small Business Development	
AP World Language	Journalism I, II, III, IV	

ELECTIVES

ELECTIVES

Math and Science Electives			
AP Math Classes	AP Science Classes	Elective Classes	Elective Classes
AP Statistics	AP Physics C	Intro to Research Methods	Organic Chemistry
AP Calculus AB	AP Biology	Math Technology	Astronomy
AP Calculus BC	AP Environmental Science	Microbiology	Botany
AP Computer Science	AP Chemistry	Engineering	Advanced Research Methods
AP Micro/Macro	AP Physics 1 & 2	Calculus II (GA Tech)	Math of Industry and Gov.

Humanities Electives		
Elective Classes	Elective Classes	Elective Classes
AP Psychology	AP Government	Science, Technology, and Society
AP Micro/Macro	Contemporary Literature	French, Spanish, Latin, Chinese
AP Art History	Legal Environment of Business	JROTC 1,2,3,4
AP Environmental Science	AP World Language	Journalism I, II, III, IV

CAREER TECHNOLOGY PATHWAYS

Business Management & Administration Career Cluster

Entrepreneurship Pathway

Introduction to Business and Technology
 Legal Environment of Business
 Entrepreneurial Ventures
 Work-Based Learning (6th Period S1)
 Work Based Learning (6th Period S2)
 Work Based Learning (7th Period S1)
 Work Based Learning (7th Period S2)

Arts, Audio-Video Technology and Communications Career Cluster

Audio-Video Technology & Film Pathway

Audio-Video Technology Film I
 Audio-Video Technology Film II
 Audio-Video Technology Film III
 Work Based Learning

Science, Technology, Engineering and Math Career Cluster

Engineering—Project Lead the Way (PLTW)
 Intro to Engineering Design
 Principles of Engineering
 Civil Engineering and Architecture

Information Technology Career Cluster

Web and Digital Design Pathway
 Introduction to Digital Technology
 Computer Science Principles
 AP Computer Science

Healthcare Science Career Cluster

Allied Health Pathway

Introduction to Healthcare Science***
 Essentials of Healthcare***
 General Medicine
 Medical Services Internship (6th Per.)
 Medical Services Internship (7th Per/S1)
 Medical Services Internship (7th Per/S2)

Arts, Audio-Video Technology and Communications Career Cluster

Graphic Design Pathway

Introduction to Graphics and Design
 Graphic Design and Production
 Advanced Graphic Design
Work-based Learning

Government and Public Administration Cluster

Leadership JROTC Pathway

JROTC 1
 JROTC 2
 JROTC 3
 JROTC 4

*****Classes may count as a 4th science.**

- ◇ All 1st Courses listed are Pre-Requisites.
- ◇ Students need 3 courses to meet the pathway requirements.

CAREER TECHNOLOGY PATHWAYS CONT.

HEALTH SCIENCE CAREER CLUSTER:

The Health Science Cluster provides the challenging academic courses, relevant on-the-job experience, and specialized technical skills you need. In the classroom and laboratory, students build solid math, science, reading, writing, and communication skills. Special emphasis is placed on developing the problem-solving and decision-making skills required in the fast-paced healthcare industry. Through the Introduction to Healthcare Science course, students learn basic concepts of health, wellness, and preventative care; medical terminology; microbiology; life-support skills; and the ethical and legal responsibilities of today's healthcare providers.

Therapeutic Services/Allied Health and Medicine Pathway

Introduction to Healthcare Science- Course Number 25.52100 (1.0 Credit)

Prerequisite: Advisor approval

Introduction to Healthcare Science is the foundational course for all Health Science pathways and is a prerequisite for all other Healthcare Science pathway courses. This course will enable students to receive initial exposure to the many Healthcare Science careers as well as employability, communication, and technology skills necessary in the healthcare industry. The concepts of human growth and development, interaction with patients and family members, health, wellness, and preventative care are evaluated, as well as the legal, ethical responsibilities of today's healthcare provider. Fundamental healthcare skills development is initiated including microbiology, basic life support and first aid. This course will provide students with a competitive edge to be the better candidate for either entry into the healthcare global marketplace and/or the post-secondary institution of their choice to continue their education and training. The pre-requisite for this course is advisor approval

Essentials of Healthcare- Course Number: 25.44000 (1.0 Credit)

Prerequisite: Introduction to Healthcare Science & advisor approval

Anatomy and Physiology is a vital part of most healthcare post-secondary education programs. The Essentials of Healthcare is a medical-focused anatomy course addressing the physiology of each body system, along with the investigation of common diseases, disorders and emerging diseases. The prevention of disease and the diagnosis and treatment that might be utilized are addressed, along with medical terminology related to each system. This course provides an opportunity to demonstrate technical skills that enforce the goal of helping students make connections between medical procedures and the pathophysiology of diseases and disorders. The pre-requisite for this course is Introduction to Healthcare.

Non-Invasive Diagnostic Technology- Course Number: 25.44500 (1.0 Credit)

Prerequisite: Essentials of Healthcare, student portfolio & advisor approval

This course is designed to offer high school students (juniors and seniors) the opportunity to explore and apply non-invasive diagnostic procedures in the field of cardiology, radiology and pulmonology. This course should pique the interest in students to seek certifications and further their education using the knowledge and practical application of non-invasive techniques in the area of cardiology, radiology and pulmonology. The prerequisites for this course are Introduction to Healthcare and Essentials of Healthcare.

CAREER TECHNOLOGY PATHWAYS CONT.

HEALTH SCIENCE CAREER CLUSTER:

The Health Science Cluster provides the challenging academic courses, relevant on-the-job experience,

Diagnostics/Non-invasive Technology in Healthcare

Introduction to Healthcare Science- Course Number 25.52100 (1.0 Credit)

Prerequisite: Advisor approval

Introduction to Healthcare Science is the foundational course for all Health Science pathways and is a prerequisite for all other Healthcare Science pathway courses. This course will enable students to receive initial exposure to the many Healthcare Science careers as well as employability, communication, and technology skills necessary in the healthcare industry. The concepts of human growth and development, interaction with patients and family members, health, wellness, and preventative care are evaluated, as well as the legal, ethical responsibilities of today's healthcare provider. Fundamental healthcare skills development is initiated including microbiology, basic life support and first aid. This course will provide students with a competitive edge to be the better candidate for either entry into the healthcare global marketplace and/or the post-secondary institution of their choice to continue their education and training. The pre-requisite for this course is advisor approval.

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Prerequisite: Introduction to Healthcare Science & advisor approval

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Allied Health and Medicine-Course Number: 25.43700 (1.0 Credit)

Prerequisites: Essentials of Healthcare, student portfolio & advisor approval

This course is designed to offer students the opportunity to become effective and efficient multiskilled healthcare providers as they develop a working knowledge of various allied health opportunities. Students focusing on a career path in the healthcare field may apply classroom/lab knowledge and skills in the clinical setting as they participate in direct or simulated client care. The curriculum allows instructors to provide options for classroom/student growth opportunities in area(s) of interest to the student. These options may be determined by community need, available resources, and/or student interest, etc. This course was developed according to a basic 50-minute class time frame, but may be adjusted according to local system schedules. Instructors may select which classroom content standards 1-14 best meet his/her individual classroom needs in addition to the required clinical/capstone project to equal total class time available for the course.

CAREER TECHNOLOGY PATHWAYS CONT.

INFORMATION TECHNOLOGY CAREER CLUSTER:

Computer Science

Introduction to Digital Technology-Course Number 11.41500 (1.0 Credit)

Prerequisite: Advisor approval

Intro to Digital Technology (IDT) is the foundational course for Web & Digital Communications, Programming, Advanced Programming, Information Support & Services, and Network Systems pathways. This course is designed for high school students to understand, communicate, and adapt to a digital world as it impacts their personal life, society, and the business world. Exposure to foundational knowledge in hardware, software, programming, web design, IT support, and networks are all taught in a computer lab with hands-on activities and project focused tasks. Students will not only understand the concepts, but apply their knowledge to situations and defend their actions/decisions/choices through the knowledge and skills acquired in this course. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organization, Future Business Leaders of America (FBLA), are integral components of both the employability skills standards and content standards for this course. Various forms of technologies will be highlighted to expose students to the emerging technologies impacting the digital world. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are taught in this course as a foundational knowledge to prepare students to be college and career ready. The knowledge and skills taught in this course build upon each other to form a comprehensive introduction to digital world.

Computer Science (CS) Principles-Course Number: 11.47100 (1.0 Credit)

Prerequisite: Intro to Digital Design & advisor approval

CSP is an intellectually rich and engaging course that is focused on building a solid understanding and foundation in computer science. This course emphasizes the content, practices, thinking and skills central to the discipline of computer science. Through both its content and pedagogy, this course aims to appeal to a broad audience. The focus of this course will fall into these computational thinking practices: connecting computing, developing computational artifacts, abstracting, analyzing problems and artifacts, communicating, and collaborating. Computer Science Principles is the second course in the pathways Programming and Computer Science in the Information Technology Cluster. Students enrolled in this course should have successfully completed Introduction to Digital Technology.

AP Computer Science- College Board (1.0 Credit)

Prerequisite: Computer Science Principles, student portfolio & advisor approval

AP Computer Science is equivalent to a college-level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes object-oriented and imperative problem solving and design using the Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities.



CAREER TECHNOLOGY PATHWAYS CONT.

BUSINESS MANAGEMENT AND ADMINISTRATION CAREER CLUSTER:

Entrepreneurship **Accelerated Pathway**

Introduction to Business & Technology- Course Number 07.44130 & Legal Environment of Business- Course Number 06.4150 (2.0 Credit)

Prerequisite: Advisor approval

North Springs Charter High School is excited to pilot the first accelerated pathway in Entrepreneurship for Fulton County. Please note that students will be covering content for two classes condensed into a one year time frame. Students will earn two credits and grades for their performance in the accelerated pathway.

The content covered in the accelerated class includes...

Introduction to Business & Technology is designed for high school students as a gateway to a career in business, and provides an overview of business and technology skills required for today's business environment. Knowledge of business principles, the impact of financial decisions, and technology proficiencies demanded by business combine to establish the elements of this course. Students will learn essentials for working in a business environment, managing a business, and owning a business. The intention of this course is to prepare students to be successful both personally and professionally in an information-based society. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Various forms of technologies will be highlighted to expose students to the emerging technologies impacting the business world. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are taught in this course as a foundational knowledge to prepare students to be college and career ready. After mastery of the standards in this course, students should be prepared to earn an industry recognized credential: Microsoft Office Specialist for Word Core Certification.

Additionally, students will get an overview of business law while concentrating on the legal aspects of business ownership and management. Legal issues addressed include court procedures, contracts, torts, consumer law, employment law, environmental law, international law, ethics, and the role of the government in business. Students will not only understand the concepts, but will also apply their knowledge to situations and defend their actions, decisions, and choices.

Entrepreneurship- Course Number: 06.41610 (1.0 Credit)

Prerequisite: Accelerated IBT and Business Law Course & advisor approval

Students will be exposed to the development of critical thinking, problem solving, and innovation in this course as they will either be the business owner or individuals working in a competitive job market in the future. Integration of accounting, finance, marketing, business management, legal and economic environments will be developed throughout projects in this course. Working to develop a business plan that includes structuring the organization, financing the organization, and managing information, operations, marketing, and human resources will be a focus in the course. Engaging students in the creation and management of a business and the challenges of being a small business owner will be fulfilled in this course.

ARTS, AUDIO-VIDEO TECHNOLOGY AND COMMUNICATIONS CAREER CLUSTER:

GRAPHIC DESIGN

Introduction to Graphics and Design- Course Number: 48.56100 (1.0 Credit)

Prerequisite: advisor approval

This course is designed as the foundational course for both the Graphics Production and Graphics Design pathways. The Graphics and Design course provides students with the processes involved in the technologies of printing, publishing, packaging, electronic imaging, and their allied industries. In addition, the Graphics and Design course offers a range of cognitive skills, aesthetics, and crafts that includes typography, visual arts, and page layout. Pre-requisite for this course is adviser approval.

Graphic Design and Production- Course Number 48.56200 (1.0 Credit)

Prerequisite: Introduction to Graphics and Design & advisor approval

As the second course in the Graphics Communication and Graphics Design Pathways, this course builds on knowledge and skills learned in the Introduction to Graphics and Design course and focuses on procedures commonly used in the graphic communication and design industries. Students will gain more experience in creative problem solving and the practical implementation of those solutions across multiple areas of graphic design and graphic communications. The prerequisite for this course is Introduction to Graphics and Design.

Advanced Graphic Design- Course Number: 48.52800 (1.0 Credit)

Prerequisites: Graphic Design & Production, student portfolio & advisor approval

Students will continue to explore in an increasingly independent manner, the principles of design and layout procedures relating to the field of graphic design. Content will cover electronic systems and software programs used in graphic design, page composition, image conversion, and digital printing. Knowledge and skills in digital design and imaging will be enhanced through experiences that simulate the graphic design industry and school-based and work-based learning opportunities. This is the final course in the Graphic Design pathway.



CAREER TECHNOLOGY PATHWAYS CONT.

ARTS, AUDIO-VIDEO TECHNOLOGY AND COMMUNICAITONS CAREER CLUSTER:

AUDIO-VIDEO TECHNOLOGY & FILM PATHWAY

Audio & Video Technology & Film I- Course Number 10.51810 (1.0 Credit)

Prerequisite: advisor approval

This course will serve as the foundational course in the Audio & Video Technology & Film pathway. The course prepares students for employment or entry into a postsecondary education program in the audio and video technology career field. Topics covered may include, but are not limited to: terminology, safety, basic equipment, script writing, production teams, production and programming, lighting, recording and editing, studio production, and professional ethics. Skills USA and Technology Student Association (TSA) are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program. All material covered in Audio & Video Technology & Film I will be utilized in subsequent courses. The pre-requisite for this course is advisor approval.

Audio Video Technology and Film II- Course Number: 10.51910 (1.0 Credit)

Prerequisite: Audio & Video Technology & Film I & advisor approval

This one credit course is the second in a series of three that prepares students for a career in Audio Video Technology and Film production and/or to transfer to a postsecondary program for further study. Topics include Planning, Writing, Directing and Editing a Production; Field Equipment Functions; Operational Set-Up and Maintenance; Advanced Editing Operations; Studio Productions; Performance; Audio/Video Control Systems; Production Graphics; Career Opportunities; and Professional Ethics. Skills USA and Technology Student Association (TSA) are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program.

Audio Video Technology and Film III- Course Number: 10.52010 (1.0 Credit)

Prerequisites: Audio Video Technology and Film II, student portfolio & advisor approval

This one-credit transition course is designed to facilitate student-led projects under the guidance of the instructor. Students work cooperatively and independently in all phases of production. Skills USA and Technology Student Association (TSA) are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program

Science, Technology, Engineering and Math Career Cluster

Engineering- Project Lead the Way (PLTW)

Introduction to Engineering Design- PLTW Course 1

(FCS Course Title- Foundations of Engineering & Technology, Course Number 21.42500 (1.0 Credit)

Prerequisite: Advisor approval

Students dig deep into the engineering design process, applying math, science and engineering standards to hands-on projects. They work both individually and in team to design solutions to a variety of problems using 3D modeling software, and an engineering notebook to document their work. The prerequisite for this course is adviser approval.

Principles of Engineering- PLTW Course 2

(FCS Course Title- Engineering Concepts, Course Number: 21.47100 (1.0 Credit)

Prerequisite: Introduction to Engineering Design & advisor approval

Through problems that engage and challenge, students to explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills and problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. Students will demonstrate the application of mathematical tools, teamwork, and communication skills in solving various design challenges, while maintaining a safe work environment. The prerequisite for this course is Introduction to Engineering Design.

Civil Engineering and Architecture- PLTW Course 3

(FCS Course Title- Engineering Applications, Course Number: 21.47200 (1.0 Credit)

Prerequisite: Introduction to Engineering Design, Principles of Engineering, and advisor approval

This course, with Hypertext Markup Language (HTML) and Cascading Style Sheet (CSS) as its foundation, will teach students to develop and design responsive web sites through coding, testing, debugging and implementation of web-based services. This course will also allow students to learn about content management systems, client side languages, server side languages, and database concepts. The course is designed to give students foundational knowledge of "front-end" and "back-end" development to address the presentation and data access layers of web site development.

CAREER TECHNOLOGY PATHWAYS CONT.

JROTC – LEADERSHIP COMPONENT 1, 2, 3 AND 4

Course Description: Junior Reserve Officer Training Corps (JROTC) is a leadership education program. This program will help students build a strong knowledge base of self-discovery and leadership skills applicable to many leadership and managerial situations. Mastery of these standards through project based learning, service learning and leadership development activities will prepare students for 21st Century leadership responsibilities. This laboratory course is designed to introduce students to the history, customs, traditions and purpose of the Army Junior ROTC program. It teaches students strategies to maximize their potential for success through learning and self-management. Basic leadership skills include leadership principles, values, attributes, and communications skills.

Core Abilities: The JROTC core abilities describe the broad, life-long skills that every cadet needs for success, in all careers and life roles. They are drawn from the overall goals and values that drive the JROTC program. Core abilities are not learned in one lesson or Leadership Education Training course, but rather they are linked to lesson competencies in order to integrate or thread them throughout the JROTC curriculum. In each lesson, the core abilities will be introduced, taught, reinforced, and assessed. Every student should know all of the core abilities, as they are essential, value-added skills that every employer seeks. These core abilities are:

- Take responsibility for your actions and choices
- Apply critical thinking techniques
- Communicate using verbal, non-verbal, visual, and written techniques
- Build your capacity for life-long learning
- Do your share as a good citizen in your school, community, country and the world
- Treat self and others with respect

JROTC enables students to:

- Develop new skills for use in school and throughout life.
- Learn about character and values, leadership theories and principles, and human behavior.
- Gain invaluable knowledge through hands-on experiential learning activities to build self-awareness, essential life skills, and the ability to set and achieve goals.
- Apply knowledge gained from content areas that include communication, diversity, study skills, conflict resolution, decision-making, and service learning.

Academic Standards: The JROTC curriculum is based upon a systematic progression of learning. The scope, focus and content of instruction are both sequential and independent. The leadership unit of instruction allows for many training opportunities for cadets to exercise a student chain of command.

First and second year cadets receive education and training. Training is designed to enhance skills, knowledge, and abilities, of cadets and reinforce instruction in leadership theory.

Third year cadets learn instructional techniques and more advanced styles of leadership.

Fourth year cadets act on guidance from the Senior Army Instructor or Army Instructor to plan, prepare, and execute training, prepare for assigned tasks, and conduct training for younger cadets.

Mentorship and Magnet Internship

Academy: (All four symbols)

Prerequisites: Rising Juniors and Seniors ONLY

Mentorship is an elective class for credit – open to rising Juniors and Seniors only.

Students will learn about the value of internships and will then be placed into an internship setting where they will serve for the semester or year.

Requirements:

- ◇ Interview with Guidance
- ◇ Students must have GOOD grades
- ◇ Students must have a GOOD attendance record
- ◇ Students may not have any discipline record (minor infractions may be discussed)
- ◇ Students may sign up for the entire year or for one semester.
- ◇ If the schedule allows, students may “double-block” Mentorship for two consecutive periods to allow for an off-campus experience (special permission only).
- ◇ It IS possible to go off-campus with only one period - depending on placement and period.
- ◇ It IS possible to receive magnet credit for a mentorship placement – there will be extra work required.

**Please consult Guidance regarding
all placement questions and/or magnet credit.**



ADVANCED PLACEMENT

The Advanced Placement (AP) Program is a cooperative educational endeavor with the College Board. It is based on the premise that many high school students are capable of completing college-level courses. The AP Program represents a desire of schools and colleges to foster such experiences. Advanced Placement serves three groups: (a) students who wish to pursue college-level studies, (b) schools that desire to offer these opportunities, and (c) colleges that wish to encourage and recognize such achievement. Participating colleges grant credit and/or appropriate placement to students who have done well on the examinations. The only requirements are a strong curiosity about the subject, a plan to study, and the willingness to work hard.

AP courses require extra reading and analysis time on the part of the student. Standardized examinations are given during May of each year, with scores of 1-5 being reported to colleges of choice. During the enrollment process, please students should visit with their counselor regarding AP courses they may wish to take.

AP COURSES OFFERED AT NORTH SPRINGS CHARTER HIGH SCHOOL

AP American Government: Involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality. Strong reading, writing and time management skills are beneficial.

AP American (US) History: Students learn to assess historical materials, their relevance to a given interpretive problem, their reliability, and their importance, and to weigh the evidence and interpretations presented in historical scholarship.

AP Art Draw/ 2D Design/ 3D Design Portfolio: Designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written examination; instead, students submit portfolios for evaluation at the end of the school year. This can apply to drawing, photography, and sculpture.

AP Art History: Students will explore the history of art from the Paleolithic to Early Gothic eras and Early Renaissance to 20th Century Art. The course is a survey primarily of architecture, sculpture and drawing & painting within a variety of historical, cultural, political, religious, and economic contexts.

AP Biology: A rigorous and demanding course which is the equivalent of an introductory college biology course. Content will be covered in more depth and greater expectations will be placed on interpretation and analysis of information than previous biology courses.

AP Calculus AB: Most of the year must be devoted to topics in differential and integral calculus. Students must be familiar with the properties of functions, the algebra of functions, and the graphs of functions. Students must also understand trigonometry.

AP Calculus BC: It includes all topics covered in Calculus AB plus integration techniques, L' Hopital's Rule, sequences and series.

AP Computer Science A: The course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development, and is meant to be the equivalent of a first-semester college-level course in computer science. It also includes the study of data structures, design, and abstraction.



ADVANCED PLACEMENT (CONT.)

AP Environmental Science: This course has been developed to enable students to undertake, as first year college students, a more advanced study of topics in environmental science or, alternatively, to fulfill a basic requirement for a laboratory science.

AP Human Geography: Economic theories and models, international conflicts, border disputes, world religions, the origin of languages, urban development, industrialization and city planning are among issues explored in this course.

AP Language/American Lit: Engages students in becoming skilled readers of prose written in a variety of rhetorical contexts and in becoming skilled in composing for a variety of purposes.

AP Literature: The course is an advanced study of literature and is designed for critical reading and interpretation of text.

AP Macroeconomics: The course will give students a thorough understanding of the principles of economics that apply the decisions of policy makers, the class will focus on the division of economics. Pre-Calculus is a pre-requisite.

AP Microeconomics: The course will give students a thorough understanding of the principles of economics that apply to the decisions of individuals with the larger economic system. It places primary emphasis on the nature and functions of market products. Pre-Calculus is a pre-requisite.

AP Music Theory: The course progresses to include creative tasks, such as the harmonization of a melody by selecting appropriate chords, composing a musical bass line to provide two-voice counterpoint, or the realization of figured-bass notation.

AP Physics B: An introduction to the main principles of classical and modern physics that emphasizes the development of problem-solving ability.

AP Physics C Mechanics: Provides instruction in each of the following six content areas: kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation.

AP Psychology: Introduces the systematic and scientific study of the behavior and mental processes of human beings and other animals. Strong background in biology is beneficial .

AP Spanish Language: The course emphasizes the use of language for active communication and helps students develop the ability to understand spoken Spanish in various contexts.

AP French Language: The course takes a holistic approach to language proficiency and recognizes the complex interrelatedness of comprehension and comprehensibility, vocabulary usage, language control, communication strategies, and cultural awareness.

AP Statistics: Introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data.

AP World History: The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies.

VISUAL ARTS ELECTIVES

SOME COURSE OFFERINGS ARE LAB ORIENTED AND UTILIZE CONSUMABLE MATERIALS FOR STUDENT USE. THESE COURSES MAY REQUIRE A DONATION FEE FOR PARTICIPATION.

Art Fundamentals

Art Fundamentals is an entry level class for students in the visual arts magnet program. The class establishes a standard and consistent foundation in the discipline of visual art. Students will meet standards in a variety of aspects of visual art including but not limited to art as personal communication, drawing, sculpture, ceramics, design, aesthetics, careers, art criticism, art history and presentation of artwork.

Art History

is the study of paintings, sculpture, architecture, and various minor art forms from the Paleolithic to the Late International Gothic eras. Aesthetics and art criticism will be incorporated into the course.

Ceramics

is an introductory course in ceramics covering the three basic methods of hand building. Students will produce ceramic artwork using pinch, slab, and coil techniques. Students will learn the basic vocabulary of ceramics as well methods of surface treatment, firing, and other related aspects. Ceramic history, aesthetics, and art criticism will be incorporated throughout the course.

Drawing & Painting 1, 2, 3, 4

This course is the first in a series of courses for students who are serious about developing their drawing skills. Drawing Styles, techniques, materials, historical styles/periods, and color theory are included in the curriculum.



Jewelry Design

introduces jewelry making as an art form in the past and present. A variety of media and tools are explored. The elements of art and principals of design are used to analyze, design, create, and evaluate jewelry. The course combines aesthetics, art criticism and art history with studio production of jewelry.

Photographic Design 1, 2, 3, 4

This course is an introduction to photography through the construction and use of a pinhole camera. Students will learn to develop and print using paper negatives. Emphasis is placed on the understanding and use of the elements of art and the principles of design in creating good composition in photographs.



Print

Making

introduces art printmaking using collagraph, serigraphy, linoleum relief, and monotype. A variety of media and tools are explored. The elements of art and principles of design are used to analyze, design, create, and evaluate prints. The course combines aesthetics, art criticism, and art history with production of print series.

Sculpture

This course involves working 3D with a variety of media. The additive, subtractive, and modeling processes will be the primary focus.

PERFORMING ARTS ELECTIVES

Beginning Band

Students wishing to start a wind or percussion instrument who have never been in band or have been in band for less than a year.

Intermediate Band 1, 2

Students who have been in band for one or more years. Each course is appended 1 or 2 to designate sequence.

Advanced Band 1, 2, 3, 4

Approved students only. Each course is appended 1-4 to designate sequence.

Brass, Woodwind, and Percussion Masters (Inst. Masters) 1, 2, 3, 4

Students who have had one or more years in band. This is a class for individual study. Each course is appended 1-4 to designate sequence.

Guitar

Introduces basic guitar techniques. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music.

Music Theory Intro

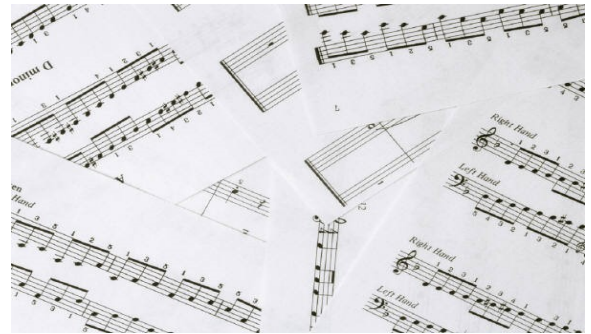
Introduces the fundamentals of organized sound. Emphasizes rules of Western music composition and offers opportunities to create original works.

Beginning Orchestra

Provides opportunities to develop performance skills and precision on orchestral stringed instruments. Emphasizes performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Organizes objectives for self-paced progress through all four levels. Stresses individual progress and ensemble experiences.

Intermediate Orchestra

Provides opportunities for intermediate-level performers to increase performance skills and precision on orchestral stringed instruments. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Organizes objectives for self-paced progress through all four levels.



Advanced Orchestra

Provides opportunities for advanced-level performers to increase performance skills and precision on orchestral stringed instruments. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Organizes objectives for self-paced progress through all four levels. Stresses individual progress and group experiences.

String Masters

This course is designed to function as a secondary course for Magnet students who wish to use the class for additional individual and orchestral practice, or to learn a new instrument, or cannot fit an orchestra ensemble class into their schedule. Student placement must be approved by instructor and course numbers are sequential 1-4 (String Masters 1 for your first year in the course, 2 for second year, etc.)

Keyboard Tech

Introduces basic piano keyboard techniques. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Provides an individualized setting.

Piano Master

Offers opportunities for intermediate-level performers to increase performance skills and knowledge in keyboard techniques. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music.

PERFORMING ARTS ELECTIVES

Beginning Chorus

Provides opportunities to develop performance skills and knowledge in mixed choral singing. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Organizes objectives for self-paced progress through all four levels.

Intermediate Chorus

Provides intermediate-level performers opportunities to increase performance skills and knowledge in mixed choral singing. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Organizes objectives for self-paced progress through all four levels.

Advanced Chorus

Provides advanced-level performers opportunities to increase performance skills and knowledge in mixed choral singing. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Organizes objectives for self-paced progress through all four levels. Stresses individual progress and group experiences.

Voice Class

Designed for the student enrolled in drama or the soloist who is not interested in singing in an ensemble. By Audition Only.

Jazz Dance

Introduces basic jazz techniques and vocabulary. Emphasizes aesthetic perception, creative expression and performance, historical and cultural heritage, aesthetic judgment and criticism.

Modern Dance 1

Introduces modern dance; covers shape, form, line and experimentation with individual expression and creativity. Stresses aesthetic perception, creative expression and performance, historical and cultural heritage and aesthetic judgment and criticism.

Modern Dance 2

Enhances level-one skills; emphasizes complex rhythms, movement combinations, longer phrases, transitions and centering on a specific technique.

Modern Dance 3

Enhances level-two skills; emphasizes intermediate-level technical skills, a further expansion of modern dance vocabulary, improvisation and a broader experience of performance opportunities.

Modern Dance 4

Enhances level-three skills; emphasizes advanced-level technical skills, speed and quality of movement, complex combinations, improvisational performance technique, the development of individual style and artistic growth.

Dance Master 1

covers placement, turn out, body lines, epaulement, adagio and allegro skills. Stresses aesthetic perception, creative expression and performance, historical and cultural heritage and aesthetic judgment and criticism.

Dance Master 2

Enhances level-one skills; emphasizes the development and execution of elementary technical skills. Offers opportunities to perform and observe quality dance as an art form.

Dance Master 3

Enhances level-two skills; emphasizes intermediate-level technical skills, a further expansion of ballet vocabulary and a broader experience of performance opportunities.

Dance Master 4

Enhances level-three skills; emphasizes advanced-level technical skills, technique development, artistic growth and individual style.

Dance Composition

Introduces dance composition; covers how to identify and execute the basic principles of composition (i.e., design, improvisation, use of qualities and musical forms). Concentrates on the development of themes and performance of multiple phrase composition.



PERFORMING ARTS ELECTIVES

Acting 1

Introduces advanced acting process. Stresses developing imagination, observation, concentration powers and self-discipline. Includes developing physical and vocal control while transmitting emotions, convictions and ideas; enhances self-confidence and self awareness. Focuses on scene study.

Acting 2

Enhances level-one skills with emphasis on classical and historical scene study.

Advanced Drama

Introduces acting and theater as disciplined art forms; covers methods to observe and understand human behavior and to use those observations to create a character. Includes basic techniques of stage movement and use of physical expression for communication. Enhances vocal techniques and specific patterns for better verbal communication.

Theater Technology I

Emphasizes theater operation, production management, scenic design, and theatrical management including lighting, sound, stage and house management, building and equipment maintenance, and working with performers and patrons of the arts.

Dramatic Writing

Theater Technology III

Enhances level-two and -three skills and includes in-depth exploration of theater operation, production management, scenic design, and theatrical management including lighting, sound, stage and house management, building and equipment maintenance, and working with performers and patrons of the arts

Theater Technology II

Emphasizes practical use of the equipment and operation of the theater including use of lighting and sound equipment, stage and house management, building and equipment maintenance and working with performers and patrons of the arts.

HUMANITIES ELECTIVES

AVID

Advancement Via Individual Determination is an elective class that offers students an opportunity to prepare themselves for successful participation in college course work. This elective is also designed to increase school-wide learning and performance. The mission of AVID is to ensure that all students, especially the least served students in the middle are capable of completing a college path, can succeed in a rigorous curriculum, enter mainstream activities of the school, increase their enrollment in four-year colleges, and become educated and responsible participants and leaders in a democratic society.

Peer Leadership

This course is designed to support our Student Government elected officers in contributing to the school culture through planning and research

Peer Facilitation

This course enhances skills learned in Peer Leadership and provides practice in modifying instructional methods and materials, enabling communication, and demonstrating appropriate social interaction skills. Students will be able to assist teachers, staff in various tasks.

Journalism 1

This course focuses on journalistic writing through analysis of newspapers, yearbooks, literary magazines, and broadcast journalism publications. A concentration on the following components of journalistic writing is critical: influence, purpose, structure, and diction. Reading, writing, and critical thinking are key components as students explore the power and influence of journalism. Students will participate in news gathering, the study of ethics, and the aspects of copy writing, editing, and revising and will study the ethics of journalism. If a publication is produced, the students will learn the process of publishing.

Journalism 2

The course offers an advanced study of journalistic writing. Skills from Journalism I are continued; the students focus on a more intense analysis of print and broadcast publications. Students read extensively to explore and analyze the influence of good journalistic writing. This course requires more critical thinking and more in-depth writing.

Journalism 3

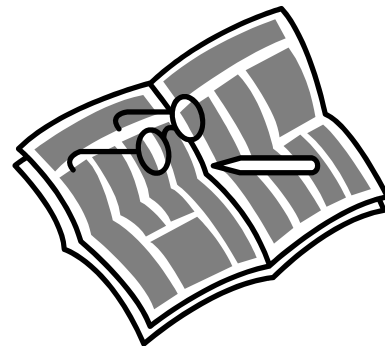
This course is an extension of Journalism I and II; the students will enhance and hone the skills in journalistic writing, with a main focus in analysis of print and broadcast publications. An in-depth coverage of level-two topics will serve as the main premise. Students will evaluate and apply skills appropriately and efficiently to various publication opportunities and activities

Journalism 4

This course is designed for students who have mastered skills in Journalism III. The students will publish journalistic articles either in a school newspaper or in the local newspaper. Research and interviews will be required when formulating ideas for writing. The range of opportunities to apply skills will be increased.

*****Journalism Courses are divided into concentrations that require sponsor approval. Concentrations are as follows:**

**Yearbook
Literary Magazine
Newspaper**





WORLD LANGUAGES

French I

Introduces the French language; emphasizes all skills: listening, speaking, reading, and writing in an integrated way. Includes how to greet and take leave of someone, to ask and respond to basic questions, to speak and read within a range of carefully selected topics and to develop an understanding of French-speaking cultures.

French II and II Honors

Enhances Level One skills in French and provides opportunities to develop listening, speaking, reading, and writing skills in an integrated way. Provides continued practice in how to greet and take leave of someone, to ask and respond to basic questions, and to speak and read within a range of carefully selected topics. Provides opportunities to increase understanding of French-speaking cultures.

French III and III Honors

Enhances Level Two skills in French and provides further opportunities to increase listening, speaking, reading, and writing skills in an integrated way. Provides continued practice in previous topics and introduces new topics; offers further opportunities to increase understanding of French-speaking cultures.

French IV and IV Honors

Enhances Level Three skills in French and provides further opportunities to increase listening, speaking, reading, and writing skills in an integrated way. Provides continued language development through exploration of familiar and unfamiliar topics and provides opportunities to develop a broader and more extensive understanding of French-speaking cultures.

Spanish I

Introduces the Spanish language; emphasizes all skills: listening, speaking, reading, and writing skills in an integrated way. Includes how to greet and take leave of someone, to ask and respond to basic questions, to speak and read within a range of carefully selected topics and to develop an understanding of Spanish-speaking cultures.

Spanish II and II Honors

Enhances Level One skills in Spanish and provides opportunities to develop listening, speaking, reading, and writing skills in an integrated way. Provides continued practice in how to greet and take leave of someone, to ask and respond to basic questions, to speak and read within a range of carefully selected topics and to increase understanding of Spanish-speaking cultures.

Spanish III and III Honors

Enhances Level Two skills in Spanish and provides further opportunities to increase listening, speaking, reading, and writing skills in an integrated way. Provides continued practice in previous topics and introduces new topics; offers further opportunities to increase understanding of Spanish-speaking cultures.

Spanish IV and IV Honors

Enhances Level Three skills in Spanish and provides further opportunities to increase listening, speaking, reading, and writing skills in an integrated way. Provides continued language development through exploration of familiar and unfamiliar topics and provides opportunities for a broader and more extensive understanding of Spanish-speaking cultures.

WORLD LANGUAGES

Chinese I

Introduces the Chinese language; emphasizes all skills: listening, speaking, reading, and writing in an integrated way. Includes how to greet and take leave of someone, to ask and respond to basic questions, to speak and read within a range of carefully selected topics and to develop an understanding of Chinese-speaking cultures.

Chinese II and II Honors

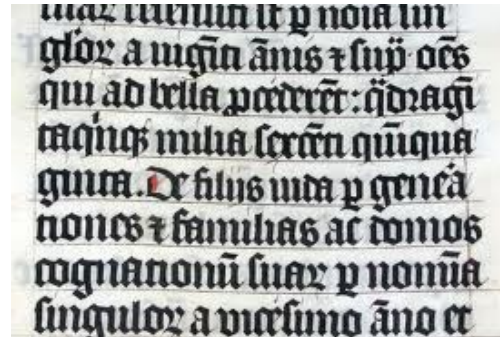
Enhances Level One skills in Chinese and provides opportunities to develop listening, speaking, reading, and writing skills in an integrated way. Provides continued practice in how to greet and take leave of someone, to ask and respond to basic questions, to speak and read within a range of carefully selected topics and to increase understanding of Chinese-speaking cultures.

Chinese III and III Honors

Enhances Level Two skills in Chinese and provides further opportunities to increase listening, speaking, reading, and writing skills in an integrated way. Provides continued practice in previous topics and introduces new topics; offers further opportunities to increase understanding of Chinese-speaking cultures.

Chinese IV and IV Honors

Enhances Level Three skills in Chinese and provides further opportunities to increase listening, speaking, reading, and writing skills in an integrated way. Provides continued language development through exploration of familiar and unfamiliar topics and provides opportunities for a broader and more extensive understanding of Chinese-speaking cultures.



Latin

I

Introduces students to the Latin language and ancient Roman civilization. Emphasizes the ability to write simple Latin phrases and to understand simple Latin passages presented orally and in writing.

Latin II and II Honors

Enhances Level One skills and provides opportunities to translate longer, more challenging passages. Emphasizes how ancient Roman language and civilization has influenced Western language and civilization.

Latin III Honors

Enhances previously learned skills and introduces original works by Latin authors. The works of the authors may be selected in any order for courses designated at the third, fourth, and fifth year levels. The authors whose works are studied are Catullus, Cicero, Horace, Ovid, and Vergil. Selected works from authors such as Aulus Gellius, Juvenal, Livy, Martial, Cornelius Nepos, Plautus, Sallust, Pliny, as well as authors from later Latin, can be included. Explores the political, economic, social characteristics represented in the works studied and examines the various writing styles of the authors.

Latin IV Honors

Enhances previously learned skills and introduces original works by Latin authors. The works of the authors may be selected in any order for courses designated at the third, fourth, and fifth year levels. Explores the political, economic, social characteristics represented in the works studied and examines the various writing styles of the authors.



MATH AND SCIENCE ELECTIVES

Botany

Introduces science process skills and laboratory safety, the study of botany, plant cells, the plant cell and its environment, photosynthesis and respiration, classification, viruses, Monera, bacteria, blue green algae, fungi, photosynthetic protista, algae, bryophytes, vascular plants, reproduction in flowering plants, identification of flower plants, roots, stems and leaves of flowering plants; plant water relationships, growth regulators in plants, environmental factors, and economic botany.

Human Anatomy

This course integrates the study of the structures and functions of the human body, however rather than focusing on distinct anatomical and physiological systems (respiratory, nervous, etc.) instruction should focus on the essential requirements for life. Areas of study include organization of the body; protection, support and movement; providing internal coordination and regulation; processing and transporting; and reproduction, growth and development.

Engineering

Emphasizes various engineering approaches. This course includes the history of engineering, definition of engineering as a profession, learning and creative thought, and the engineering approach to problem solving.

Introduction to Research Methods

Emphasizes individual project research through student-designed experiments. This course includes exploration of data through surveys, sampling techniques using new research methods, and field studies culminating in a project for the North Springs Science and Engineering fair.

Forensic Science

Designed to build upon science concepts and to apply science to the investigation of crime scenes. It serves as a fourth year of science for graduation and may serve in selected Career Technology programs. Students will learn the scientific protocols for analyzing a crime scene, how to use chemical and physical separation methods to isolate and identify materials, how to analyze biological evidence and the criminal use of tools, including impressions from firearms, tool marks, arson, and explosive evidence.

Astronomy

This course will provide the student with an introduction to the concepts of modern astronomy, the origin and history of the Universe and the formation of the Earth and the solar system. Students will compare the Earth's properties with those of the other planets and explore how the heavens have influenced human thought and action. The course gives a description of astronomical phenomena using the laws of physics. The course treats many standard topics including planets, stars, the Milky Way and other galaxies, black holes to more esoteric questions concerning the origin of the universe and its evolution and fate. Although largely descriptive, the course will occasionally require the use of sophomore-high level mathematics.

PHYSICAL EDUCATION

Health

Explores the mental, physical, and social aspects of life and how each contributes to total health and well-being; emphasizes safety, nutrition, mental health, substance abuse prevention, disease prevention, environmental health, family life education, health careers, consumer health, and community health.



General

Physical Education

Focuses on any combination or variety of team sports, lifetime sports, track and field events, aquatics/water sports, outdoor education experiences, rhythmic/dance, recreational games, gymnastics, and self-defense. Provides basic methods to attain a healthy and active lifestyle.



Personal Fitness

Provides

instruction in methods to attain a healthy level of physical fitness. Covers how to develop a lifetime fitness program based on a personal fitness assessment and stresses strength, muscular endurance, flexibility, body composition and cardiovascular endurance. Includes fitness principles, nutrition, fad diets, weight control, stress management, adherence strategies and consumer information; promotes self-awareness and responsibility for fitness.

Weight Training

Introduces weight training; emphasizes strength development training and proper lifting techniques. Includes fitness concepts for developing healthy lifetime habits.



Advanced Physical Conditioning

Enhances cardiovascular endurance, flexibility, muscular strength and endurance and body composition. Emphasizes self-management and adherence strategies.

Recreational Games

Introduces recreational games suitable for lifetime leisure activities; may include table tennis, shuffleboard, frisbee, deck tennis, new games, horseshoes, darts and croquet. Emphasizes the rules of each game and the skills necessary to play.

