

NORTHVIEW HIGH SCHOOL

2017 – 2018 Course Catalog

This is a read-only resource. If you have questions, see a teacher or counselor.

TABLE OF CONTENTS

Architectural Drawing & Design Courses	Language Arts Courses
Art Courses	Manufacturing Courses
Animation Courses	Marketing Courses
Audio-Video, Technology & Film Courses	Mathematics Courses
Business Courses	Mentorship Courses
Computer Science Courses	Music Courses
Drama Courses	Science Courses
Engineering Courses	Social Studies Courses
ESOL Courses	Talented and Gifted TAG Courses
Health and Physical Education Courses	Therapeutic Services – Sports Medicine
IRR Courses	World Languages Courses

NORTHVIEW HIGH SCHOOL COURSE OFFERINGS 2017-2018

When using this catalogue, please remember the following:

- Computer # indicates the computer number of the course.
- Term indicates the length of the course. Courses with a term of S meet for one semester; those designated with Y meet for the entire year.
- Prerequisite indicates certain courses that must be completed prior to the start of the course, that the course is restricted to certain grade levels, and/or that the student must complete an application to register for the course.

Prerequisite grade requirements indicated are unweighted grades.

- Advanced Placement (AP) is a program of college-level courses which gives high school students the opportunity to receive advanced placement and/or credit in college through successful completion of an exit examination.

An “AP Commitment Form” is required for all AP classes.

N/C indicates participation only; no credit is granted.

Computer #	Language Arts	Term	Credit	Prerequisite and Grade Level (bold)
23.0610000	9 th Grade Lit/Comp	Y	1.0	None; 9
23.0610040	9 th Grade Lit/Comp Honors	Y	1.0	85+ unweighted Lang Arts 8 Advanced or 95+ regular 8 th grade Language Arts; recommendation from Grade 8 Language Arts teacher; Level 3 score on CRCT Reading and Language Arts (if applicable); 9
23.0620000	10 th Grade Lit/Comp	Y	1.0	9 th Grade Lit/Comp; 10
23.0620040	10 th Grade Lit/Comp Honors	Y	1.0	85+ unweighted Honors; 95+ regular 9 th Grade Lit/Comp; 10
23.0510000	11 th Grade American Lit/Comp	Y	1.0	10 th Grade Lit/Comp; 11
23.0510040	11 th Grade American Lit/Comp Honors	Y	1.0	85+ unweighted Honors or 95+ regular in 10 th Grade Lit/Comp; 11
23.0530010	AP English Lang and Comp/ American Lit	Y	1.0	AP Commitment Form; 85+ unweighted Honors or 95+ 10 th Grade Lit/Comp; 11 Grade Prereq only ***For rising 9th and 10th grade: 85+unweighted in 11th Honors. 9th and 10th grade students MUST have 11th honors to be eligible to take AP Lang
23.0630001	World Lit/Comp <i>required on-level</i>	S	0.5	11 th Grade American Lit/Comp; 12
23.0670001	Multicultural Lit/Comp required on-level	S	0.5	Co-requisite with World Lit/ Comp; 12
23.0650010	AP English Literature & Composition	Y	1.0	AP Commitment Form; 85+ unweighted AP Lang or 90+ unweighted Honors or 95+ on-level American Literature; 12
23.0660001	Contemporary Lit – Film Study	S	0.5	Elective; 11-12

23.0310001	Writer's Workshop	S	0.5	Elective; 11-12
23.0320000	Journalism/Newspaper I	Y	1.0	Application; 85+ cum avg; 85+ LA; See Mr. Yarbrough - Media Center Lab; 9-12
23.0330000	Journalism/Newspaper II	Y	1.0	Newspaper I; advisor permission; See Mr. Yarbrough -- Media Center Lab; 11-12
23.0350000	Journalism/Newspaper III	Y	1.0	Newspaper II; advisor permission; See Mr. Yarbrough - Media Center Lab; 11-12
23.0340400	Sports Journalism – Adv Comp	Y	1.0	Application; 85+ cum avg; 85+ LA; See Mr. Yarbrough - Media Center Lab; 9-12
23.0320007	Journalism/Yearbook I	Y	1.0	Application; 85+ cum avg; 85+ LA; See Mr. Rawlin – room 503; 10-12
23.0330007	Journalism/Yearbook II	Y	1.0	Yearbook I; advisor permission; See Mr. Rawlin – room 503; 11-12
23.0350007	Journalism/Yearbook III	Y	1.0	Yearbook II; advisor permission; See Mr. Rawlin – room 503; 11-12
23.0320008	Journalism/Literary Magazine I	Y	1.0	Application; 85+ cum avg; 85+ LA; see Ms. Pope – room 539; 10-12
23.0330008	Journalism/Literary Magazine II	Y	1.0	Literary Magazine I; advisor permission; See Ms. Pope – room 539; 11-12
23.0350008	Journalism/Literary Magazine III	Y	1.0	Literary Magazine II; advisor permission; See Ms. Pope – room 539; 11-12
23.0460001	Speech/Forensics I	S	0.5	None; 9-12
23.0470001	Speech/Forensics II	S	0.5	Permission of advisor; See Ms. Ulrich – room 506; Course may be repeated; 10-12
23.0210001	Mythology	S	0.5	Elective; 10-12
35.0660001	SAT Prep during 0 period, 7:15 – 8:05 each day. \$70 Per Student	S	0.5	Elective; completed or enrolled in GPS Advanced Algebra; 11-12, (10) spring semester only - if seats available
Computer #	Mathematics	Term	Credit	Prerequisite and Grade Level
27.0990000	GSE Algebra 1	Y	1.0	Math 8A 70 – 87; Math 8O 70 – 97; 9
27.1997000	GSE Algebra 1Support	Y	1.0	Passed Math 8 with 70-75 and/or enrolled in ABE Math 8 for two quarters - take with GSE Algebra1 ; Course is required, no waivers permitted; 9
27.0994040	Accelerated GSE Algebra 1/Geometry A Honors	Y	1.0	88+ Math 8A, 98+ Math 8 O level; NO Waivers permitted for 8 O level students. Must have a final grade of 98 to take the accelerated course from level 8 O; 9
27.0991000	GSE Geometry	Y	1.0	Passed GSE Algebra 1; 10
27.1998000	GSE Geometry Support	Y	1.0	Course is highly recommended for students who passed GSE Algebra1 with 70 - 75, all students who took GSE Algebra Support. Support course taken along with GSE Geometry; 10
27.0995040	Accelerated GSE Geometry B/ Algebra 2 Honors	Y	1.0	83+ unweighted GSE Accelerated Algebra 1/Geometry A Honors; 10

27.0992000	GSE Algebra 2	Y	1.0	Passed GSE Algebra 1 and GSE Geometry; GSE Accelerated Geometry/Alg 2 Honors with an unweighted 70-82 11
27.1999000	GSE Algebra 2Support	Y	1.0	Course is highly recommended for students who passed GSE Geometry with 70 - 78, all students who took GSE Algebra 1 Support or GSE Geometry Support. Course taken along with GSE Algebra 2; 11
27.0977040	Accelerated GSE Precalculus Honors	Y	1.0	83+ unweighted GSE Accelerated Geometry B/Algebra 2 Honors; 11
27.0974000	GSE Precalculus	Y	1.0	Passed GSE Algebra 2 with an 80 or higher; No student enrolled in GSE Algebra 2 Support should be enrolled in GSE Precalculus. 12
27.0780000	Calculus	Y	1.0	Passed Accelerated GSE Precalculus Honors; Passed GSE Precalculus
27.1850000	Advanced Mathematical Decision Making	Y	1.0	All students enrolled in GSE Algebra 2 Support will be placed in AMDM. Passed GSE Algebra 2 with a 79 or below; 12
27.0720010	AP Calculus – AB	Y	1.0	AP Commitment Form; 83+ unweighted GSE Accel Precalculus Honors; Passed GSE Precalculus with an 95+; 10-12
27.0730010	AP Calculus – BC	Y	1.0	AP Commitment Form; 93+ unweighted GSE Accel Precalculus Honors; 10-12
27.0740010	AP Statistics	Y	1.0	AP Commitment Form; 83+ unweighted GSE Accelerated Geometry Honors; 93+ GSE Algebra 2; 83+ unweighted GSE Accelerated Precalculus Honors Concurrent Enrollment with GSE Precalculus; 11-12
27.0750405	College Calculus 2* (students must register for both classes)	S	1.0	AP Calculus BC; distance learning with GA Tech; acceptance to GA Tech; 11-12
27.0750406	College Calculus 3* (students must register for both classes)	S	1.0	College Calculus 2 distance learning with GA Tech; 11-12
35.0660001	SAT Prep during 0 period, 7:15 – 8:05 each day. \$70 Per Student	S	0.5	Elective; completed or enrolled in GPS Algebra 2; 11-12, (10) spring semester only - if seats available
Computer #	Science	Term	Credit	Prerequisite and Grade Level
26.0120000	Biology	Y	1.0	None; 9
26.0120040	Biology Honors	Y	1.0	88+ Advanced Science or 95+ On-level Science; 9
40.0110000	Physical Science	Y	1.0	Completed Biology and ≤ 80 CCGPS Coord Algebra; 10-12
40.0110040	Physical Science Honors	Y	1.0	Completed Biology and between 80 and 88 CCGPS Coord Algebra; 10th Only. For rising juniors / seniors – only those students who scored between 70 and 74 in on-level chemistry.
40.0510000	Chemistry	Y	1.0	88+ Biology or 80+ unweighted Bio H; or 85+ Physical Science and 88+ CCGPS

				Coord Algebra (or enrolled in higher level of math with a grade of 80+); 10-12
40.0510040	Chemistry Honors	Y	1.0	88+ unweighted in Bio H or 95+ Bio and 95+ CCGPS Coord Algebra (or enrolled in higher level of math with a grade of 80+); Students may not enroll in Chemistry Honors from a Physical Science Class without teacher recommendation; 10-12
40.0810000	Physics	Y	1.0	75+ Chemistry, completed Chemistry H and 80+ GPS Geometry; Rising juniors with grades between 70 - 74 in Chemistry will be placed in Honors Physical Science; 11-12
26.0611000	Environmental Science	Y	1.0	Completed Biology & Physical Science or Biology & Physics or <75 Chemistry; 11-12
26.0730000	Human Anatomy/Physiology	Y	1.0	80+ in Biology and Physical Science or Chemistry; 11-12 If you have taken Essentials of Healthcare you already have credit for this course and may not take Human Anatomy.
26.0730040	Human Anatomy/Physiology Honors	Y	1.0	85+ in Biology and Chemistry or 80+ unweighted Bio H and Chem H; 11-12
40.0210000	Astronomy	Y	1.0	Completed Bio and Physical Science or Chem & Physics; completed GPS Geometry; 11-12
40.0640000	Earth Systems	Y	1.0	Completed Bio & Physical Science or Bio & Physics or <80 Chemistry; 11-12
26.0140010	AP Biology	Y	1.0	10th Grade Prerequisites: unweighted 93+ in Honors Biology and 90+ in current math and language arts courses. 10 th graders must be concurrently enrolled in chemistry or honors chemistry to be eligible. 11th and 12th prerequisites: 85+ unweighted Biology H or 95+ Biology; 85+ unweighted Chemistry H or 95+ Chemistry; AP Commitment Form; 10-12
26.0620010	AP Environmental Science	Y	1.0	88+ in Biology & Chemistry; 80+ unweighted Biology H, Chemistry H; 90+ in current math and language arts courses. AP Commitment Form; 11-12
40.0530010	AP Chemistry	Y	1.0	85+ unweighted Chemistry H or 95+ Chemistry and 90+ GPS Geometry or higher math; AP Commitment Form; 11-12
40.0831010	AP Physics 1	Y	1.0	85+ unweighted Chemistry H or 95+ Chem; 90+ GPS Advanced Alg or higher math; 85+ Physics; AP Commitment Form; 11-12 May be taken in lieu of Physics

40.0841011	AP Physics C – Mechanics	S	0.5	85+ unweighted AP Physics 1, enrolled in AP Calculus; AP Commitment Form; 12
40.0842012	AP Physics C – Electricity & Magnetism	S	0.5	85+ unweighted AP Physics 1, enrolled in AP Calculus; AP Commitment Form; 12
40.0930000	Forensic Science	Y	1.0	80+ in Biology, Chemistry, or Physics; 12
Computer #	Social Studies	Term	Credit	Prerequisite and Grade Level
45.0570005	American Government / Civics	S	0.5	None; 9 - Required for Graduation
45.0830000	World History	Y	1.0	None; 10-12 Required for Graduation
45.0811010	AP World History	Y	1.0	90+ in American Government/Civics OR 83+unweighted AP Gov't or AP Human Geography & 87+ unweighted 9 th Lit/Comp H; AP Commitment Form; 10 – Required for Graduation in lieu of regular World History
45.0810000	US History	Y	1.0	World History; 11-12 – Required for Graduation
45.0820010	AP US History	Y	1.0	90+ World History; 83+ unweighted AP World 90+10 th Lit/Comp; 85+ unweighted 10 th Lit/Comp H; & AP Commitment Form; 11 – Required for Graduation in lieu of regular US History
45.0840010	AP European History	Y	1.0	90+ World History; 83+ unweighted AP World/US; 90+10 th Lit/Comp; 85+ unweighted 10 th Lit/Comp H; & AP Commitment Form 11-12
45.0610001	Economics	S	0.5	None; Required for Graduation; 12
45.0620011 45.0630011	AP Macroeconomics AP Microeconomics	Y	1.0	90+ US History; 83+ unweighted AP US Hist; 90+ GSE Alg 2 or 83+ unweighted Accel GSE Pre Calc H; AP Commitment Form; 12 – Required for Graduation in lieu of regular Economics
45.0160010	AP Psychology	Y	1.0	90+ in US/World History or 83+ unweighted AP World/AP US History; and 90+ in Biology or 83+ unweighted in Honors/AP Biology; AP Commitment Form; 11-12
45.0770010	AP Human Geography	Y	1.0	90+ in previous Social Studies Course; 83+unweighted AP World /US History; AP Commitment Form; Freshman prerequisite 88+ in 8th Grade History and 88+ in Advanced Language Arts - No Waivers for 9th graders; 9-12
45.0530011	AP Government/Politics Comparative	S	0.5	90+ in previous Social Studies; 83+ unweighted AP World/AP US History; AP Commitment Form; 11-12
45.0520011	AP Government/Politics U.S.	S	0.5	90+ in previous Social Studies; 83+ unweighted AP World/AP US History; AP Commitment Form; Freshman prerequisite – 88+ in 8th Grade History and 88+ in Advanced Language Arts – No

				Waivers for 9th graders; 9-12 – Required for Graduation in lieu of regular Civics course.
45.0310003	Sociology	S	0.5	Elective; 11-12
45.0130002	Social Issues Through Media	S	0.5	Elective; 11-12
45.0812001	US History in Film	S	0.5	Elective; 11-12
45.0140003	Human Behavior and Anthropology	S	0.5	Elective; 11-12
45.0120001	Current Issues / Events	S	0.5	Elective; 11-12
45.0910603	National Security / Modern Warfare	S	0.5	Elective; 11-12
45.0150000	Psychology	S	0.5	Elective; 11-12
Computer #	World Languages	Term	Credit	Prerequisite and Grade Level
62.0110000	Chinese I	Y	1.0	None; 9-12
62.0120000	Chinese II	Y	1.0	Chinese I; 9-12
62.0120040	Chinese II Honors	Y	1.0	92+ Chinese I; 9-12
62.0130000	Chinese III	Y	1.0	Chinese II or II H; 10-12
62.0130040	Chinese III Honors	Y	1.0	95+ Chinese II, 88+ unweighted Chinese II H; 10-12
62.0140040	Chinese IV Honors	Y	1.0	95+ Chinese III, 88+ unweighted Chinese III H; 11-12
62.0105000	Chinese V Honors	Y	1.0	Chinese IV H; 11-12
62.0196010	AP Chinese Language and Culture	Y	1.0	88+ unweighted Chinese IV H or Placement test; AP Commitment Form; 11-12
60.0110000	French I	Y	1.0	None; 9-12
60.0120000	French II	Y	1.0	French I; 9-12
60.0120040	French II Honors	Y	1.0	92+ in French 8; 95 French I (HS); 9-12
60.0130000	French III	Y	1.0	80+ French II or French II H; 11-12
60.0130040	French III Honors	Y	1.0	95+ French II, 88+ unweighted French II H; 11-12
60.0140000	French IV	Y	1.0	80+ French III or French III H; 11-12
60.0140040	French IV Honors	Y	1.0	88+ unweighted French III H; 11-12
60.0150040	French V Honors	Y	1.0	French IV or French IV H; 11-12
60.0170010	AP French Language and Culture	Y	1.0	88+ unweighted French IV H; AP Commitment Form; 12
61.0110000	German I	Y	1.0	None; 9-12
61.0120000	German II and II Honors	Y	1.0	German I; 9-12
61.0130040	German III and III Honors	Y	1.0	German II or German II H; 10-12
61.0140040	German IV and IV Honors	Y	1.0	German III or German III H; 11-12
61.0150040	German V Honors	Y	1.0	German IV or German IV H; 12
61.0170010	AP German Language and Culture	Y	1.0	85+ unweighted German III H; AP Commitment Form; 11-12
61.0410000	Latin I	Y	1.0	None; 9-12
61.0420000	Latin II	Y	1.0	Latin I; 9-12
61.0420040	Latin II Honors	Y	1.0	90+ Latin I; 9-12
61.043000	Latin III	Y	1.0	Latin II or Latin II H; 10-12

61.0430040	Latin III Honors	Y	1.0	Latin II H; 10-12
61.0440040	Latin IV Latin Literature Survey Honors	Y	1.0	Latin 3 H or Latin III H; 11 - 12
61.0480000	AP Latin	Y	1.0	85+ unweighted Latin Literature Survey H AP Commitment Form; Latin III H and/or teacher recommendation 11-12
60.0710000	Spanish I	Y	1.0	None; 9-12
60.0720000	Spanish II	Y	1.0	Spanish I; 9-12
60.0720040	Spanish II Honors	Y	1.0	92+ in Spanish 8 or 95+ Spanish I; 9-12
60.0730000	Spanish III	Y	1.0	80+ Spanish II or Spanish II H; 10-12
60.0730040	Spanish III Honors	Y	1.0	95+ Spanish II or 88+ unweighted Spanish II H; 10-12
60.0740000	Spanish IV	Y	1.0	80+ Spanish III or Spanish III H; 11-12
60.0740040	Spanish IV Honors	Y	1.0	88+ unweighted Spanish III H; 11-12
60.0750040	Spanish V Honors	Y	1.0	Spanish IV or Spanish IV H; 11-12
60.0770010	AP Spanish Language and Culture	Y	1.0	88+ unweighted Spanish IV H; Teacher recommendation; AP Commitment Form; 12
Computer #	Audio-Video, Technology & Film (previously BVP)	Term	Credit	Prerequisite and Grade Level
10.5181000	Audio-Video Technology & Film 1	Y	1.0	None; 9-12
10.5191000	Audio-Video Technology & Film 2	Y	1.0	AVTF 1; 10-12
10.5201000	Audio-Video Technology & Film 3	Y	1.0	AVTF 2; 11-12
10.4141000	Audio-Video Technology & Film 4	Y	1.0	AVTF 3; 12
Computer #	Animation and Digital Media	Term	Credit	Prerequisite and Grade Level
48.4210000	Animation	Y	1.0	None
Computer #	Business	Term	Credit	Prerequisite and Grade Level
07.4413000	Introduction to Business & Technology	Y	1.0	None
07.4110000	Principles of Accounting	Y	1.0	None; 10-12
07.4110400	Honors Accounting	Y	1.0	Principles of Accounting; 11-12
06.7214000	Work Based Learning	Y	1.0	Application; See Ms. McCall – Room 438; 11-12 (at work for one or two periods)
Computer #	Computer Science	Term	Credit	Prerequisite and Grade Level
11.4150000	Introduction to Digital Technology	Y	1.0	None
11.4710000	Computer Science Principles	Y	1.0	None; 10-12
11.0160010	AP Computer Science	Y	1.0	Rising sophomores 90+ unweighted in Accelerated GSE Geometry B/Algebra

				2 Honors; Rising juniors and seniors 85+ unweighted in fall semester math class. All students must have completed Geometry; 10-12
11.4520000	Web Design	Y	1.0	Application; School Web Site; See Ms. Morgan – Room 434; 11-12
Computer #	Therapeutic – Services / Physical Medicine / Sports Medicine	Term	Credit	Prerequisite and Grade Level
25.5210000	Introduction to Healthcare Science	Y	1.0	None
25.4400000	Essentials of Healthcare	Y	1.0	Intro to Healthcare Science, 10 - 12
25.4460000	Sports Medicine	Y	1.0	Intro Healthcare Science; Essentials Healthcare; 11-12
Computer #	Marketing & Management	Term	Credit	Prerequisite and Grade Level
08.4740000	Marketing Principles	Y	1.0	None; 9-12
08.4410000	Marketing & Entrepreneurship	Y	1.0	Marketing Principles; 10-12
08.4420000	Marketing Management	Y	1.0	Marketing & Entrepreneurship; 11-12
Computer #	Manufacturing	Term	Credit	Prerequisite and Grade Level
21.4410000	Foundations of Manufacturing	Y	1.0	None
Computer #	Engineering	Term	Credit	Prerequisite and Grade Level
21.4250000	Foundations of Engineering & Technology	Y	1.0	None; 9-12
21.4710000	Engineering Concepts	Y	1.0	Foundations of Engineering & Technology; 10-12
21.4720000	Engineering Applications	Y	1.0	Engineering Concepts; 11-12
Computer #	Architectural Engineering Drawing & Design	Term	Credit	Prerequisite and Grade Level
48.5450000	Architectural Drawing & Design I	Y	1.0	Intro to Drafting & Design; 10-12
48.5460000	Architectural Drawing & Design II	Y	1.0	Architectural Drawing & Design I; 11-12
Computer #	Health/Physical Education	Term	Credit	Prerequisite and Grade Level
17.0110001	General Health	S	0.5	Required for Graduation; 9-12
36.0510001	Personal Fitness	S	0.5	Required for Graduation; 9-12
36.0610001	Advanced Personal Fitness	S	0.5	Personal Fitness; 10-12
36.0270002	Ultimate Frisbee / Disc Golf	S	0.5	None; 9-12
36.0220002	Badminton & Ping Pong	S	0.5	None; 9-12
36.0560001	Yoga / Body Sculpting	S	0.5	None; 9-12
36.0550001	Nutritional Fitness / Body Sculpting	S	0.5	None; 9-12
36.0110001	General PE I	S	0.5	None; 9-12
36.0120001	General PE II	S	0.5	None; 9-12
36.0130001	General PE III	S	0.5	None; 9-12
36.0220001	Lifetime Sports	S	0.5	None; 9-12

36.0270001	Recreational Games	S	0.5	None; 9-12
36.0540001	Weight Training I	S	0.5	None; 9-12
36.0540002	Weight Training II	S	0.5	Weight Training I; 9-12
36.0560001	Weight Training III – Advanced Body Sculpting	S	0.5	Weight Lifting Regiment in Place-Advanced weight training only; 9-12
36.0540600	Zero Period Wt. Training	S	0.5	None; 9-12 Before school weight lifting; must provide own transportation
36.0520001	Physical Conditioning	S	0.5	None; 9-12
Computer #	Art	Term	Credit	Prerequisite and Grade Level
50.0211001	Visual Arts/Comprehensive 1 (aka Introduction to Art)	S	0.5	None; 9-12
50.0411001	Visual Arts/Ceramics/Pottery 1	S	0.5	Comprehensive 1 (Intro to Art); 9-12
50.0412001	Visual Arts/Ceramics/Pottery 2	S	0.5	Ceramics 1; 10-12
50.0413001	Visual Arts/Ceramics/Pottery 3	S	0.5	Ceramics 2 ; 10-12
50.0414001	Visual Arts/Ceramics/Pottery 4	S	0.5	Ceramics 3 ; 10-12
50.0611001	Visual Arts/Sculpture 1	S	0.5	Comprehensive 1 (Intro to Art); 9-12
50.0612001	Visual Arts/Sculpture 2	S	0.5	Sculpture 1; 10 -12
50.0313001	Visual Arts/Drawing & Painting 1	S	0.5	Comprehensive 1 (Intro to Art); 9-12
50.0314001	Visual Arts/Drawing & Painting 2	S	0.5	Drawing & Painting 1; 10-12
50.0321001	Visual Arts/Painting 1 (aka Drawing & Painting 3)	S	0.5	Drawing & Painting 2; 10-12
50.0322001	Visual Arts/Painting 2 (aka Drawing & Painting 4)	S	0.5	Visual Arts/Painting 1 (Drawing & Painting 3); 10-12
50.0460001	Visual Arts/Jewelry/Metalcrafts 1	S	0.5	Comprehensive 1 (Intro to Art); 9-12
50.0460600	Visual Arts / Jewelry/Metalcrafts 2	S	0.5	Jewelry/Metalcrafts 1; 10-12
50.0711001	Visual Arts/Photography 1	S	0.5	Comprehensive 1 (Intro to Art); 9-12
50.0712001	Visual Arts/Photography 2	S	0.5	Photography 1; 10-12
50.0713001	Visual Arts/Photography 3	S	0.5	Photography 2; 10-12
50.0714001	Visual Arts/Photography 4	S	0.5	Photography 3; 10-12
50.0721001	Visual Arts/Graphics 1	S	0.5	Comprehensive 1 (Intro to Art); 9-12
50.0722001	Visual Arts/Graphics 2	S	0.5	Graphics 1; 10-12
50.0921010	AP Art History	Y	1.0	85+ in previous Social Studies and English courses; 80+unweighted AP World/AP US History; and honors English courses. AP Commitment Form; 10-12
50.0811010	AP Studio Art: Drawing Portfolio	Y	1.0	Comprehensive 1 (Intro to Art), Drawing & Painting 1 & 2, PORTFOLIO REVIEW REQUIRED ; AP Commitment Contract
50.0813010	AP Studio Art: 2-D Design Portfolio	Y	1.0	Comprehensive 1 (Intro to Art) AND Drawing & Painting 1 & 2 OR Drawing and Painting 1 AND Graphics 1 OR Drawing & Painting 1 AND Photography 1 OR Photography 1 & 2 OR Photography 1 AND Graphics 1 OR Graphics 1 & 2 PORTFOLIO REVIEW REQUIRED ; AP Commitment Contract
50.0814010	AP Studio Art: 3-D Design Portfolio	Y	1.0	Comprehensive 1 (Intro to Art) AND Ceramics 1 & 2 OR Sculpture 1 & 2, OR Ceramics 1 and Sculpture 1, OR

				Ceramics 1 and Jewelry/Metalcrafts 1, OR Sculpture 1 and Jewelry/Metalcrafts 1 PORTFOLIO REVIEW REQUIRED; AP Commitment Contract
Computer #	Music	Term	Credit	Prerequisite and Grade Level
53.0230010	AP Music Theory	Y	1.0	See Mr. Copeland – Room 785; AP Commitment Form; 11-12
53.0841001	Guitar 1A	S	0.5	None; 9-12
53.0841002	Guitar 1B	S	0.5	Guitar 1A; 9-12
53.0842001	Guitar 2A	S	0.5	Guitar 1A & 1B; 10-12
53.0842002	Guitar 2B	S	0.5	Guitar 2A; 10-12
53.0941001	Piano Lab 1A	S	0.5	None; 9-12
53.0941002	Piano Lab 1B	S	0.5	Piano Lab 1A; 9-12
53.0140001	Music Appreciation	S	0.5	None; 9-12
53.0571000 53.0572 53.0573 53.0574	Intermediate Orchestra I, II, III, IV – Concert Orchestra	Y	1.0	Audition; 9-12
53.0581000 53.0582 53.0583 53.0584	Advanced Orchestra I,II,III, IV - Philharmonia Orchestra	Y	1.0	Audition; 9-12
53.0591000 53.0592 53.0593 53.0594	Mastery Orchestra I, II, III, IV - Chamber Orchestra	Y	1.0	Audition; 9-12
53.0371000 53.0372 53.0373 53.0374	Intermediate Band I, II, III, IV – Wind Symphony	Y	1.0	Audition; 9-12
53.0381000 53.0382 53.0383 53.0384	Advanced Band I, II, III, IV – Wind Ensemble	Y	1.0	Audition; 9-12
53.0391000 53.0392 53.0393 53.0394	Mastery Band I, II, III, IV – Chamber Winds	Y	1.0	Audition; 9-12
54.0231000	Advanced Mixed Chorus	Y	1.0	Audition; 9-12
54.0261000	Advanced Women's Chorus	Y	1.0	Audition; 9-12
Computer #	Drama	Term	Credit	Prerequisite and Grade Level
52.0210001	Fundamentals of Theatre I	S	0.5	None; 9-12
52.0220001	Fundamentals of Theatre II	S	0.5	Fundamentals of Theatre I; 9-12
52.0610000	Acting I	Y	1.0	None; 9-12
52.0620000	Acting II	Y	1.0	Acting I or Fundamentals of Theatre; 10-12
52.0630000	Acting III	Y	1.0	Acting II; 11-12
52.0510000	Adv Drama I	Y	1.0	Audition Only
52.0520000	Adv Drama II	Y	1.0	Audition Only
52.0230000	Adv Drama III	Y	1.0	Audition Only
52.0240000	Adv Drama IV	Y	1.0	Audition Only
52.0410000	Technical Theatre I	Y	1.0	None; 9-12

52.0420000	Technical Theatre II	Y	1.0	Technical Theatre I; 10-12
52.0430000	Technical Theatre II	Y	1.0	Technical Theatre II; 11-12
52.0440000	Technical Theatre IV	Y	1.0	Technical Theatre III; 12
Computer #	TAG	Term	Credit	Prerequisite and Grade Level
70.2330008	Gifted Participation 9	Y	n/c	Application
70.2330009	Gifted Participation 10	Y	n/c	Application
70.2340008	Gifted Participation 11	Y	n/c	Application
70.2340009	Gifted Participation 12	Y	n/c	Application
70.2320001	Gifted Directed Study 1A	S	0.5	Application
70.2320002	Gifted Directed Study 1B	S	0.5	Application
70.2330001	Gifted Directed Study 2A	S	0.5	Application
70.2330002	Gifted Directed Study 2B	S	0.5	Application
70.2340001	Gifted Directed Study 3A	S	0.5	Application
70.2340002	Gifted Directed Study 3B	S	0.5	Application
70.2210001	Gifted Career Internship 1A	S	0.5	Application; 11-12
70.2210002	Gifted Career Internship 1B	S	0.5	Application; 11-12
70.2220001	Gifted Career Internship 2A	S	0.5	Application; 11-12
70.2220002	Gifted Career Internship 2B	S	0.5	Application; 11-12
Computer #	ESOL	Term	Credit	Prerequisite and Grade Level
23.0610020	ESOL 9 th Grade Lit/Comp	Y	1.0	Enrollment in ESOL; ACCESS Score 2-5; 9-12
23.0620020	ESOL 10 th Grade Lit/Comp	Y	1.0	ESOL; ACCESS Score 2-5; 10-12
23.0510020	Sheltered American Lit/Comp	Y	1.0	ESOL; ACCESS Score 2-5; 11-12
23.0630021	ESOL 12 th Grade Lit/Comp	Y	1.0	ESOL; ACCESS Score 2-5; 12
55.0210000	Communication Skills I	Y	1.0	ESOL; ACCESS Score 1; 9-12
55.0220000	Communication Skills II	Y	1.0	ESOL; ACCESS Score 2-3; 9-12
55.0240000	Oral Communication in Content Areas	Y	1.0	ESOL; ACCESS Score 1; 9-12
55.0230000	Reading and Listening in Content Area	Y	1.0	ESOL; ACCESS Score 1; 9-12
Computer #	IRR	Term	Credit	Prerequisite
Please note	TT = Team Taught SC = Self Contained MC = Modified Curriculum			
23.9610070	9 th Lit / Comp - TT	Y	1.0	IEP placement
23.8610080	9 th Lit / Comp – SC/MC	Y	1.0	IEP placement
23.9620070	10 th Lit / Comp – TT	Y	1.0	IEP placement
23.8620080	10 th Lit / Comp – SC/MC	Y	1.0	IEP placement
23.9510070	11 th Am Lit / Comp – TT	Y	1.0	IEP placement
23.8510080	11 th Am Lit / Comp – SC/MC	Y	1.0	IEP placement
23.9630071	World Lit & Comp – TT	S	0.5	IEP placement
23.8630081	World Lit & Comp – SC/MC	Y	0.5	IEP placement
23.9670071	Multicultural Lit – TT	S	0.5	IEP placement
23.8670081	Multicultural Lit – SC/MC	S	0.5	IEP placement
26.9120070	Biology – TT	Y	1.0	IEP placement
26.8120080	Biology - SC/MC	Y	1.0	IEP placement
40.9110070	Physical Science - TT	Y	1.0	IEP placement
40.8110080	Physical Science – SC/MC	Y	1.0	IEP placement
40.9640070	Earth Systems – TT	Y	1.0	IEP placement

40.8640080	Earth Systems – SC/MC	Y	1.0	IEP placement
26.9611070	Environmental Science – TT	Y	1.0	IEP placement
26.8611080	Environmental Science – SC/MC	Y	1.0	IEP placement
27.9990070	GSE Algebra I - TT	Y	1.0	IEP placement
27.8990080	GSE Algebra I – SC/MC	Y	1.0	IEP placement
27.9997070	GSE Algebra I Supp – TT	Y	1.0	IEP placement
27.8997080	GSE Algebra I Supp – SC/MC	Y	1.0	IEP placement
27.9991070	GSE Geometry – TT	Y	1.0	IEP placement
27.8991080	GSE Geometry – SC/MC	Y	1.0	IEP placement
27.9998070	GSE Geometry Support – TT	Y	1.0	IEP placement
27.8998080	GSE Geometry Support – SC/MC	Y	1.0	IEP placement
27.9992070	GSE Algebra 2 – TT	Y	1.0	IEP placement
27.8992080	GSE Algebra 2 – SC / MC	Y	1.0	IEP Placement
27.9999070	GSE Algebra 2 Support - TT	Y	1.0	IEP placement
27.8999080	GSE Algebra 2 Support – SC/MC	Y	1.0	IEP placement
27.9850070	Advanced Math Decision Making TT	Y	1.0	IEP Placement
27.8850080	Advanced Math Decision Making SC	Y	1.0	IEP Placement
45.9570075	American Govt/Civics – TT	S	0.5	IEP placement
45.8570085	American Government/Civics – SC/MC	S	0.5	IEP placement
45.9830070	World History – team taught	Y	1.0	IEP placement
45.8830080	World History – SC/MC	Y	1.0	IEP placement
45.9810070	US History – team taught	Y	1.0	IEP placement
45.8810080	US History – SC/MC	Y	1.0	IEP placement
45.9610071	Economics – team taught	Y	0.5	IEP placement
45.8610081	Economics – SC/MC	Y	0.5	IEP placement
32.8110000	CTI Work Experience	Y	1.0	IEP placement
35.8610080	Study Skills 1	Y	1.0	IEP placement
35.8620080	Study Skills 2	Y	1.0	IEP placement
35.8630080	Study Skills 3	Y	1.0	IEP placement
35.8640080	Study Skills 4	Y	1.0	IEP placement
47.8910070	Career Co-op Class	Y	1.0	IEP placement
Computer #	Mentorship Experiences	Term	Credit	Prerequisite and Grade Level
70.0110001	Mentorship	S	0.5	Application; See Ms. McCall rm 438; 12
35.0410001	Peer Facilitation	S	0.5	Application; See Ms. McCall rm 438; 12
06.7214000	Work Based Learning Program for all areas of Career Tech Education	Y	1.0	Application; See Ms. McCall – Room 438; 11-12 (at work for one or two periods)

Fulton County Minimum Guidelines for Advanced Courses

The Fulton County Curriculum Department has created minimum guidelines for each advanced course offered in Fulton County. Northview has adopted additional prerequisite minimums based on a three-year study of student grades and overall skills. The Northview prerequisites are listed in the front of our course catalog. Parents should be aware of the rigor required in all of the courses offered at Northview, in order to make an informed decision on what is the best placement for their child. Teachers make initial course recommendations based on the minimum prerequisites established by each department at Northview. Parents have the option to waive the prerequisite minimums, provided their child meets the county minimums, for any advanced course.

All Fulton County minimum guidelines may be found on the Fulton County website – www.fultonschools.org.

Course Descriptions

ARCHITECTURAL ENGINEERING DRAWING & DESIGN

The purpose of these courses is to explore all aspects of drafting from basic fundamentals and basic construction to architectural drafting. Computer-aided design/drafting is utilized during all phases of drafting.

Course Name: Architectural Drawing and Design I

Course Number: 48.4450000

Description: Architectural Drawing and Design I introduces students to the basic terminology, concepts, and principles of architectural design. Emphasis is placed on house designs, floor plans, roof designs, elevations (interior and exterior), schedules, and foundations. The standards are aligned with the drafting and design standards in Georgia's technical colleges. Further, the standards are aligned with the national standards of the American Design Drafting Association (ADDA). Auto CAD 2010, Inventor 2010 and REVIT 2010 will be used in this class.

Course Name: Architectural Drawing and Design II

Course Number: 48.4460000

Description: Architectural Drawing and Design II is a course that builds on the skills developed in Architectural Drawing and Design I. Emphasis is placed on schedules, plumbing, heating and air, graphic presentations, plot/site plans, specifications, and building estimations. CAD tools and software are used extensively throughout the course. The standards are aligned with the drafting and design standards in Georgia's technical colleges. Further, the standards are aligned with the national standards of the American Design Drafting Association (ADDA). Auto CAD 2010, Inventor 2010 and REVIT 2010 will be used in this class.

ANIMATION AND DIGITAL MEDIA

Course Name: Animation

Course Number: 48.421000

Description: The Introduction of Digital Media students will learn the basic components of 2-D and 3D animation development from storyboarding elements to fundamental software capabilities. The course serves as an introduction to the animation history, keyboarding shortcuts, project filing, and career awareness. Instruction in this course focuses on storyboard creation, the physics and anatomy of motion, technology of animation, properties and use of color, cameras and lighting, fundamentals of modeling and animating, creating a portfolio and file management. No prerequisite for this course.

ART

Course Name: Visual Arts/Comprehensive 1 (Introduction to Art)

Course Number: 50.0211001

Description: This is the gateway class to every other art course at Northview. This semester course is

an introduction to drawing, painting, sculpture, ceramics, photography and journaling with an emphasis on the understanding and use of the elements and principles of design. The course incorporates aesthetics, art criticism, and art history.

Course Name: Visual Arts/Drawing and Painting 1

Course Name: Visual Arts/Drawing and Painting 1

Course Number: 50.0313001

Description: Do you want to learn how to draw? Learning how to see differently is the key! You can learn the skills. You don't need to know how to draw before you take this class. Bring an open mind with a positive attitude, and let the teacher guide you. This course explores a variety of drawing techniques and a wide range of media such as (but not limited to): pencil, charcoal, oil pastels, pastels, colored pencil, and conte crayon with emphasis on developing basic drawing skills and an introduction to painting.

Course Name: Visual Arts/Drawing & Painting 2

Course Number: 50.0314001

Visual Arts/Painting 1 (aka Drawing & Painting 3)

Course Number: 50.0321001

Visual Arts/Painting 2 (aka Drawing & Painting 4)

Course Number: 50.0322001

Description: These courses are designed for those students who wish to further explore drawing and painting techniques. Drawing and painting adventures involve sensitivity to color, expressionism, realism, abstract, and non-objective approaches to creating. Projects become more complex and students assume more independence at each sequential course level. Opportunities for choice and voice are provided.

Course Name: Visual Arts/Sculpture 1

Course Number: 50.0611001

Description: Have you always wanted to be the next Michelangelo and produce amazing three-dimensional art of your own? Students need no prior experience to experiment in three-dimensional design, using a variety of materials such as paper, plaster, wood, clay and wire. In this class, students learn the additive, subtractive, modeling, and casting techniques while creating functional and decorative sculptures.

Course Name: Visual Arts/Sculpture 2

Course Number: 50.0612001

Description: Students experiment in three-dimensional design, using a variety of materials such as paper, plaster, wood, clay and wire. In this class, students learn the additive, subtractive, modeling, and casting techniques while creating functional and decorative sculptures. Students will build on skills learned in Sculpture 1, and will develop individual artistic voice by exploring techniques and media with individual intent.

Course Name: Visual Arts/Ceramics/Pottery 1

Course Number: 50.0411001

Description: Want to create usable pottery and clever clay sculptures? Students need no prior experience to learn the hand-building techniques needed to create everything from sculptural forms to bowls, dishes, and vases. In addition to traditional glazing techniques, students will explore alternative surface design and firing techniques like burnishing, sgraffito, mishima, saggar firing, and smoke firing.

Course Name: Visual Arts/Ceramics/Pottery 2

Course Number: 50.0412001

Description: This course continues with the methods and techniques learned in Ceramics I and adds wheel-thrown pottery techniques. Students will learn to throw pottery on the wheel to create forms like vases, bowls, mugs, and plates. Hand-built sculpture will also be taught in this course to add stunning forms

to your portfolio. Students begin to make design choices that express individual artistic voice.

Course Name: Visual Arts/Ceramics/Pottery 3

Course Number: 50.0413001

Description: This course is a combination of wheel-thrown and hand-built pottery driven by student interest. Students and teacher collaborate. Students research and make project proposals in accordance with curriculum units. Individual artistic voice develops.

Course Name: Visual Arts/Ceramics/Pottery 4

Course Number: 50.0414001

Description: Students extend their study of design in clay with the potter's wheel, hand building and its aesthetic qualities. Individual artistic voice strengthens.

Course Name: Visual Arts/Graphics 1

Course Number: 50.0721001

Description: Students are introduced to the art processes and techniques involved with the arrangement of words, shapes or images or their combination to communicate a concept directed toward a specific audience for a particular purpose. Topics include the history of graphic design, graphic design products today, advertising strategies, organizing visual space, Notan design, typographic personality, logo and letterhead design, corporate identity design, and product and package design.

Course Name: Visual Arts/Graphics 2

Course Number: 50.0722001

Description: Students extend the study begun in Graphics 1 of the art processes and techniques involved with the arrangement of words, shapes or images or their combination to communicate a concept directed toward a specific audience for a particular purpose or function. Topics include editorial design, product and package design, advertising design, and creating a comprehensive portfolio presentation based on a theme.

Course Name: Visual Arts/Photography 1

Course Number: 50.0711001

Description: Have you always wondered how photography works, and how a camera can capture an image when it's essentially just a box with a hole? Do you want to learn chemical developing processes in the darkroom? Students examine aspects of photography as an art form, including history, composition and design. They develop and print black/white photos in the darkroom; photography is explored through student-made pinhole cameras.

Course Name: Visual Arts/Photography 2

Course Number: 50.0712001

Description: Are you ready to take your photography skills to the next level using a 35mm film camera? Photo Design II builds on basic skills and darkroom techniques learned in Photo Design I. Students hone skills in communicating meaning through photography. They learn to use a 35mm camera, develop and print images in black and white film and refine darkroom and printing techniques. The course incorporates aesthetics, art criticism, and art history.

Course Name: Visual Arts/Photography 3 – 50.0713001

Course Name: Visual Arts/Photography 4 – 50.0714001

Description: With the skills learned in Photo Design I and II, students will work to create an in-depth body of work exploring photography techniques and visual ideas with a focus on artistic voice and mastery of technique.

Course Name: Visual Arts/Photography 4

Course Number: 50.0714001

Description: Students extend their study of design in photography with 35mm film or digital photography and its aesthetic qualities. Individual artistic voice strengthens.

Course Name: Visual Arts/Jewelry & Metalcrafts 1

Course Number: 50.0460001

Description: Want to make your own jewelry or gifts for others? Students study and learn a variety of processes and techniques to design and create jewelry using hemp, beads, slumped glass, cast pewter, nickel silver, copper, and aluminum. In this class, you'll harness the power of fire as you learn soldering techniques to melt and fuse metals!

Course Name: Visual Arts/Jewelry & Metalcrafts 2

Course Number: 50.0460600

Jewelry Design II further explores jewelry design techniques, processes, and materials as an expressive art form. Techniques and processes introduced in Jewelry Design I are refined and expanded. In addition, experimentation with alternative and mixed media is explored, with an emphasis on hot connection techniques (such as soldering) and stone setting. The use of computers and technology is encouraged.

Course Name: Advanced Placement Art History

Course Number: 50.2921010

Description: AP Art History is a full-year elective course designed to prepare students for the AP Exam in Art History. In addition to being a great background for arts careers, APAH leads to living a more conversant and acculturated life. Like the two-semester college-survey course, AP Art History in high school introduces students to significant art and architecture from the Prehistoric world to the present times. In the ultimate "humanities course", students will view, discuss, analyze, interpret, and write about major works of art and architecture. Students identify technical innovations of art and architecture, and analyze the historical and social contexts of drawings, prints, paintings, and buildings, as well as other media, such as: photography, ceramics, sculpture, fiber arts, and performance art.

Advanced Placement Studio Art Classes

The three Advanced Placement Studio Art courses enable highly motivated students to do college-level work in studio art while still in high school. AP Studio Art is not based on a written examination. Instead, candidates submit a portfolio of work for evaluation in early May. AP work does involve significantly more time and commitment than most high school courses. Therefore, the program is intended for students seriously committed to studying art. Prerequisites vary by course.

Course Name: Advanced Placement Studio Drawing Portfolio

Course Number: 50.4811010

Description: Drawn and painted artworks only are accepted in this portfolio by the College Board.

Course Name: Advanced Placement Studio 2-D Design Portfolio

Course Number: 50.4813010

Description: A combination of photography, computer art, drawing, and painting, graphic design and collage are accepted in this portfolio by the College Board.

Course Name: Advanced Placement Studio 3-D Design Portfolio

Course Number: 50.4814010

Description: A combination of media like clay, paper, plaster, wire, stone, wood, cloth, metal, plastic and mixed media are used to create the three dimensional artwork in this portfolio by the College Board.

AUDIO-VIDEO, TECHNOLOGY & FILM

Course Name: Audio-Video Technology & Film 1

Course Number: 10.4181000

Description: Do you want to be in "the Business"? There's no business like it! This course provides an introductory overview of film and television production with an emphasis on technical operation and storytelling. Students are instructed on the correct operation of studio and field production equipment, as well as, screenwriting, and post-production editing. This yearlong course will provide the basic knowledge required to progress on to the advanced levels of the program. *Extracurricular productions are a requirement of this program.*

Course Name: Audio-Video Technology & Film 2

Course Number: 10.4121000

Description: Students complete advanced editing projects and work as crew-members on in field projects to reinforce the production process. Participants serve as writers, producers, directors and more on segments of Northview's BOLT and other Northview productions. Students will work with computer-based editing and 3D animation as part of the course. Leadership opportunities afford themselves to students as producers of various departmental projects. *Extracurricular productions are a requirement of this program.*

Course Name: Audio-Video Technology & Film 3

Course Number: 10.4131000

Description: This third-year course provides students the opportunity to complete advanced editing projects and direct student production groups. Participants learn advanced editing techniques for use with both in and out of school productions. Students will be using nonlinear editing equipment as well as 3D animation and compositing software for their productions. *Extracurricular productions are a requirement of this program.*

Course Name: Audio-Video Technology & Film 4

Course Number: 10.4141000

Description: Students in Audio-Video Technology & Film 4 will serve as producers for many of the videos created in the program. AVTF4 students will specialize in areas of production that they may pursue in post-secondary education. During the course, students may work on portfolios for career or educational advancement. *Extracurricular participation is a mandatory part of the program.*

BUSINESS

Course Name: Introduction to Business and Technology

Course Number: 07.4413000

Description: This course 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. Emphasis is placed on developing proficient fundamental computer skills required for all career pathways. 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. 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. Students have the opportunity to become Certified in Digital Literacy and MOS.

Course Name: Principles of Accounting**Course Number:** 07.4110000

Description: Planning to be a Business Major in college? Accounting is a MUST! Learn to implement the steps of the accounting cycle. Simulations will provide students with opportunities to utilize their accounting knowledge in operating different types of businesses.

Course Name: Honors Accounting**Course Number:** 07.4110400

Description: Are you thinking about pursuing a career in accounting and possibly becoming a financial analyst for a corporation? Honors Accounting will provide you with an insight into the corporate world of accounting. You will learn how to analyze articles of incorporation and how to make managerial decisions based on accounting information. Simulations will provide you with opportunities to utilize your skills and knowledge of corporate accounting principles.

Course Name: Work Based Learning - one (1A) or two periods (1A and 1B) (Work Study Paid Internship)**Course Number:** 06.7214000 (1A – 6th period)06.7215000 (1A and 1B 5th and 6th periods)*** See Ms. McCall – Room 438**

Description: The Business Internship program is designed to provide on-the-job training for students in the Business program. Students are released for periods five and six to receive hands-on learning through employment in a variety of office worksites. Students earn money while developing good business attitudes, work ethics, and new skills. Prerequisite: Application Process, Juniors/Seniors only.

COMPUTER SCIENCE

Course Name: Introduction to Digital Technology**Course Number:** 11.4150000

Description: Introduction to Digital Technology is the foundational course designed for students to understand, communicate, and adapt to a digital world as it impacts their 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. The knowledge and skills taught in this course build upon each other to form a comprehensive introduction to digital world and programming. No prerequisite for this course.

Course Name: Computer Science Principles**Course Number:** 11.4710000

Description: Computer Science (CS) Principles 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.

Course Name: Advanced Placement Computer Science**Course Number:** 11.4160010

Description: This year long course is designed to be the equivalent of one semester-long college introductory course in programming. The course is geared toward preparing students to take the College Board's Advanced Placement Exam. Major emphasis is on programming using the language JAVA, on programming methodology, and problem solving. Students will learn to create interesting projects such as business and educational computer applications using JAVA. Software engineering, computer hardware systems, new computer technologies and the social implications of computing typical first-year college

level computer science topics are integrated into this course. Students are trained on the multiple-choice and free-response questions that are on the AP Exam. *Can count as a 4th year Science for Georgia Colleges.*

Course Name: Web Design

Course Number: 11.4520000

***See Ms. Morgan – Room 434**

Description: Upon completion of this course, students should have a thorough knowledge of all areas of web page design. Topics include the web development process, advanced layout and design features, advanced study of scripting languages, site development with HTML editors, and web servers and databases.

DRAMA

Course Name: Fundamentals of Theatre I

Course Number: 52.0210001

Description: This course is an exploration of theatre as an artistic form that focuses on the appreciation and value of theatre in society. The students will learn both how to create theatre and to appreciate the art form as it exists all over the world. This is a highly energetic class with many outlets for creativity.

Course Name: Fundamentals of Theatre II

Course Number: 52.0220001

Description: This course is an exploration of theatre as an artistic form that focuses on the appreciation and value of theatre in society. The students will learn both how to create theatre and to appreciate the art form as it exists all over the world. This is a highly energetic class with many outlets for creativity.

Course Name: Acting I

Course Number: 52.0610000

Description: This is an introduction to acting class. Beginning actors will be exposed to several different performance styles and methods which will improve their performance skills. This course uses theatre to encourage cooperative learning, team work, organization, and leadership skills. Theatre's forte is in the emotional arena, where participants are able to not only express emotion in a safe environment, but more pertinently, able to learn how to calibrate their emotional responses to various stimuli. The class allows all students the opportunity to perform on a regular basis.

Course Name: Acting II

Course Number: 52.0620000

Description: This course delves further into the techniques of acting through the introduction of particular schools of thought associated with the control of voice and movement for effective character development. Using these techniques the student then explores the style of realism and examines the artists associated with that movement and their methods of instruction. Through this framework the students begin to master specific period styles through research and implementation of the restrictions and demands found in a specific style. The course culminates in a peer reviewed performance which offers the opportunities to audition, build, and critique theatrical productions in the classroom setting. The course is designed for any student wishing to hone their acting skills in an effort to broaden the range possibilities for performance.

Course Name: Acting III

Course Number: 52.0630000

Description: The focus of this course is to prepare students for a multitude of audition opportunities. This course is aimed at students that wish to continue theatrical studies beyond high school. Students will learn about the business of acting, personal marketing, and the importance of versatility in their audition repertoire. At the end of the course the student will have knowledge of contemporary self marketing and monologues to use in auditions for colleges, conservatories, community, academic, or professional theatre.

Course Name/ Course Number**DA/Advanced Drama I 52.0510000****DA/Advanced Drama II 52.0520000****DA/Advanced Drama III 52.0230000****DA/Advanced Drama IV 52.0240000**

Description: A study of the artistic, technical, managerial, and financial elements of a dramatic production. Students will assume positions of responsibility on selected productions throughout the year, and will have an opportunity to participate in several types of artistic situations.

Students will demonstrate basic knowledge and skills in the following areas:

- a. Understand the basic ideas in the areas of acting, directing, artistic criticism, including script analysis, action breakdown, staging, character creation, vocal techniques, and physical movement.
- b. Recognize the responsibilities of the producer, director, actors, designers, technicians and managers as they collaborate in the creation of the world of the play, culminating in a satisfying theatrical event for creators and audience alike.
- c. Experience the technical components of theatrical production, including scenic, lighting and sound design and technology, set construction, scene painting, properties, costuming, makeup, and publicity.
- d. Participate in the rehearsal process, which is designed to foster detailed practical application in building the production, and which will include physical and vocal warm-up, improvisation, blocking, working with props, line memorization and timing.
- e. Confront the challenges and responsibilities inherent in the commitment to fulfilling the process of bringing the text from the page to the stage.

Course Name: Technical Theatre I**Course Number: 52.0410000**

Description: This course functions as an introduction to the technical elements of theatre, such as scenic, lighting, costume, and sound design. This is a practical course that follows the production of the shows currently in production at the school. The class helps plan, design, build and publicize the shows.

Course Name: Technical Theatre II**Course Number: 52.0420000**

Description: This course delves further into the explorations of the technical elements of theatre. Students will take on more responsibilities in the given areas of technical theatre. Students will improve their use of tools and technical skills associated with the elements of theatrical design and theatre management.

Course Name: Technical Theatre III**Course Number: 52.0430000**

Description: This course allows students to begin to take leadership roles in the execution of theatrical design. Students will take on more responsibilities in the given areas of technical theatre. Students will improve their use of tools and technical skills associated with the elements of theatrical design and theatre management.

ENGINEERING

Course Name: Foundations of Engineering & Technology**Course Number: 21.4250000**

Description: Foundations of Engineering and Technology gives the students the opportunity to explore the world of Engineering and how it affects our lives each day. During the year, individual work, group

work and engineering training modules will be used as students explore basic engineering practices used in industry. Companies will be formed and students will use skills learned in the trainers to design and build projects. During the projects a corporate structure is used as well as teamwork. A company logo, video, brochure, web page, Power Point presentation, and company t-shirts will be made along with a fully functioning prototype of the product. Students will learn how to safely use equipment from basic hand and power tools to industrial robots. Foundations of Engineering and Technology is the first course of a possible four-year track in Engineering.

Course Name: Engineering Concepts

Course Number: 21.4710000

Description: Engineering Concepts is a more in depth study of various engineering practices. As more advanced engineering skills are learned, students take on many of the challenges faced in real life engineering careers. Some design projects in Engineering Concepts include: Hovercrafts, Solar Fuel Cell Vehicles, Ergonomic Workstations, and Handicap Lifting Devices.

Course Name: Engineering Applications

Course Number: 21.4720000

Description: Engineering Applications continues the students' opportunities to learn about Engineering. The third year class takes the students further into the fields of Engineering. The students continue to use the engineering training stations as well as projects. Example projects in Engineering Applications are: Water Desalination, Hydroponic Gardening, Smart House Security and Automatic Drawbridge.

Note: The Engineering Application course will count for the fourth year of science.

ESOL

Course Name: ESOL 9th Grade Composition and Literature – Core

Course Number: 23.0610020

Description: This course focuses on the continuous development of grammar and usage. Process writing is introduced and comprehension skills are enhanced through continued use of reading strategies and through a variety of printed materials. Instruction is anchored in 9th grade English Language Arts GPS and instruction is differentiated with WIDA standards.

Course Name: ESOL 10th Grade Composition and Literature – Core

Course Number: 23.0920009

Description: This course focuses on developing academic writing across various Language Arts platforms and further strengthening grammar skills. Students will explore literary elements of fiction while enhancing comprehension skills through applying various reading strategies. English Language Arts GPS guide instruction and all five WIDA standards contribute to this course, particularly Standard 2 regarding the communication of information, ideas and concepts necessary for academic success in the content area of Language Arts.

Course Name: Sheltered American Lit/Composition – Core

Course Number: 23.0510020

Description: This course fulfills a graduation requirement for English, and familiarizes students with the ways in which events in American history affect literature and culture in the United States. Emphasis is placed on an understanding of major American works and its authors, continued development of vocabulary, and oral communication skills. Students employ a variety of writing genres to demonstrate a comprehensive grasp of significant ideas in selected literary works. Students continue to strengthen their understanding and control of the rules of the English language. WIDA Standards are used to differentiate instruction based on English Language Arts GPS.

Course Name: ESOL 12th Grade Composition and Literature – Core

Course Number: 23.0940009

Description: This course will provide practice and opportunities to support and enhance comprehension

skills by identifying evidence and main ideas in a variety of texts representative of different genres found in world literature. The students will employ a variety of writing genres to demonstrate a grasp of significant ideas in selected literary works throughout this course. This course will further students' understanding of proper English usage and control of grammar. WIDA standards are used to differentiate instruction based on the English Language Arts GPS. (ACCESS Score, Levels 2-5)

Course Name: Communication Skills I – Elective

Course Number: 55.0210000

Description: This course will focus on the acquisition of social and instructional language based on the five WIDA standards. The primary emphasis for this course includes building on the initial survival language skills as well as developing interpersonal communication skills while learning about various cultural characteristics of the United States.

Course Name: Communication Skills II – Elective

Course Number: 55.0220000

Description: This course is an expansion of Communication Skills I with emphasis upon proficiency Standard 2 regarding the communication of information, ideas and concepts necessary for academic success in the content area of Language Arts. This course is designed for those English language learners who need further reinforcement to develop stronger reading and writing skills and who would not otherwise receive this specialized attention.

Course Name: Oral Communication in Content Areas – Elective

Course Number: 55.0240000

Description: This course supports and enhances oral/aural skills and references with the five basic WIDA standards with emphasis on speaking skills in the content areas. Students will develop critical thinking skills by analyzing talks, speeches, and written communication.

Course Name: Reading and Listening in the Content Areas – Elective

Course Number: 55.0230000

Description: This course will provide activities and opportunities to enhance literacy and listening skills necessary for success in the content areas. Guided by the five WIDA standards, the focus will be on the acquisition of fundamental skills: primarily reading and writing reinforced by speaking and listening while developing vocabulary associated with designated themes.

HEALTH AND PHYSICAL EDUCATION

Course Name: General Health (Graduation Requirement)

Course Number: 17.0110001

Description: This course fulfills the requirement for graduation and the State of Georgia Drug and Alcohol Awareness component required for obtaining a driver's license. Course introduces personal health, decision-making skills, mental health, emotions, stress, alcohol, drug and tobacco use/abuse, nutrition, CPR/AED training and sex education.

Course Name: Personal Fitness (Graduation Requirement)

Course Number: 36.0510001

Description: This course fulfills the requirement for graduation. The course introduces weight training and cardiovascular fitness games. Health-related fitness components are assessed by using the "Fitness Gram Computer" software program. A personal workout plan is designed and implemented in the course.

Course Name: Advanced Personal Fitness

Course Number: 36.0610001

Description: A variety of cardiovascular fitness activities will be implemented to encourage each student to work within their Target Heart Rate Zone. Weight lifting and flexibility exercises are included in this

course.

Course Name: Ultimate Frisbee / Disc Golf

Course Number: 36.0270002

Description: Students will learn rules and strategies of both Ultimate Frisbee & Disc Golf. Course introduces game and tournament activities appropriate for skill level. Students will be taught proper etiquette, interaction, care of equipment and safety during each activity or sport. Team and tournament play is emphasized.

Course Title: Badminton & Ping Pong

Course Number: 36.0220002

Description:

Students will learn rules and strategies of both Badminton & Ping Pong. Course introduces game and tournament activities appropriate for skill level. Students will be taught proper etiquette, interaction, care of equipment and safety during each activity or sport. Team and tournament play is emphasized.

Course Name: Yoga / Body Sculpting

Course Number: 36.056001

Description: Students will learn how to correctly perform biomechanical techniques while performing basic yoga moves. Course will teach strength and muscular endurance yoga routines which demonstrates knowledge of opposing muscle groups and effective conditioning principles. Students will learn muscular strength and muscular endurance exercises through the use of varied methodologies and strategies utilizing equipment such as dumbbells, bands, tubing, etc. Course will explain the difference between body weight and body composition as well as help students set personal goals within a workout plan.

Course Name: Nutritional Fitness / Body Sculpting

Course number: 36.0550001

Description: This course is design to learn how to eat and cook healthy foods by understanding how to read food labels and developing healthy menus. You will also learn the benefits of exercise, maintaining a healthy weight, and incorporating fitness related activities into a daily routine. There will be a fitness component of the class where students will be expected to dress out and participate in various fitness activities and learn the benefits of how exercise, along with proper nutrition, can provide a happy and healthier lifestyle.

Course Name: General Physical Education I

Course Number: 36.0110001

Description: Introduces the rules, skills and strategy of basketball, volleyball, speedball (combination of football, basketball and soccer), team handball, badminton, Frisbee games, flag football, field hockey, tennis, soccer, softball, pickle ball and table tennis. Team and tournament play is emphasized.

Course Name: General Physical Education II

Course Number: 36.0120001

Description: Introduces the rules, skills and strategy of basketball, flag football, badminton, team handball, tennis, soccer, pickle ball and table tennis. Team and tournament play is emphasized.

Course Name: General Physical Education III

Course Number: 36.0130001

Description: Introduces the rules, skills and strategy of softball, volleyball, badminton, basketball, Frisbee games, tennis, team handball and table tennis. Team and tournament play is emphasized.

Course Name: Lifetime Sports

Course Number: 36.0220001

Description: Introduces the rules, skills and strategy of tennis, pickle ball, golf, bocce, table tennis and volleyball. Team and tournament play is emphasized.

Course Name: Recreational Games

Course Number: 36.0270001

Description: Introduces the rules, skills and strategy of table tennis, Frisbee games, badminton, bowling, pickle ball, horseshoes and shuffleboard. Team and tournament play is emphasized.

Course Name: Weight Training I

Course Number: 36.0540001

Description: Introductory course that is designed to enhance the student's muscular strength and endurance. Students will gain knowledge in fitness concepts such as frequency, intensity, duration, sets, and repetitions. Cardiovascular training is included in this course.

Course Name: Weight Training II

Course Number: 36.0540002

Description: This course is for the serious student/athlete who has a desire to work on total body strength and fitness. The student/athlete will be required to perform all major lifts and will be given a weightlifting program designed to build strength and muscle size. Cardiovascular training is included in this course.

Course Name: Weight Training III Advanced Body Sculpting (Advanced Student Athletes with Current Weight Lifting Regiment in Place)

Course Number: 36.0560001

Description: This course is designed for the serious student/athlete involved in a school or club sport activity. Each student/ athlete will have an understanding of power lifting techniques, improving in muscular strength and endurance and will be given a weight training program that is specific to their sport. Cardiovascular training is included in this course.

Course Name: Physical Conditioning

Course Number: 36.0520001

Description: This course will focus on different ways students can make exercise science a career. Students will learn about certifications for Personal Strength Training and Nutrition. Weightlifting and cardiovascular activities will be covered in this class.

INTERRELATED RESOURCES (IRR)

Course Name: Study Skills I, II, III, IV

Course Number: 35.8610080, 35.8620080, 35.8630080, 35.8640080

Description: Study Skills is available to 9th – 12th grade students who have an IEP; students earn elective credit. The Study Skills class provides an opportunity to improve study skills, organizational skills, and test-taking skills. Study Skills teachers work 1-on-1 with students in all subjects during the second half of their Study Skills classes. Study Skills is recommended for any IRR student who is in a General Education or Team-Taught Class.

Course Name: Social Skills I, II

Course Number: 35.8510080, 35.8520080

Description: This elective class is available for students in 9th – 12th grades who have an IEP; students earn elective credit. The Social Skills class provides students with answers to questions about peer and adult relationships and helps students learn and practice appropriate coping and social skill strategies.

LANGUAGE ARTS

Course Name: 9th Grade Literature and Composition

Course Number: 23.0610000

Description: Students in Ninth Grade Language Arts receive a college preparatory curriculum based on the Georgia Performance Standards. **Reading and Literature:** Students will identify, analyze, and apply

knowledge of structures and elements of fiction, nonfiction, poetry, and dramatic literature. Students will identify, analyze, and apply knowledge of theme in literary works, as well as deepen understanding of relating literary works to contemporary context or historical background. Students will employ a variety of writing genres to demonstrate understanding of theme, detailed references, and allusions within a text. Students will understand and acquire new vocabulary. **Writing:** Students will produce writing that establishes an appropriate organizational structure, including thesis and support. Students will demonstrate competence in a variety of genres, including narrative, expository, research, and technical writing. Students will practice both timed and process writing. **Conventions:** Students will demonstrate understanding and control of the rules of the English language, manuscript form, and writing formats. **Listening, Speaking, and Viewing:** Students will participate in student-to-teacher, student-to-student, and group verbal interactions. Students will deliver focused, coherent, and polished presentations that convey a clear and distinct perspective, demonstrate solid reasoning, and combine traditional rhetorical strategies of narration, exposition, persuasion, and description. Students will respond to written and oral texts and media.

Course Name: 9th Grade Literature and Composition Honors

Course Number: 23.0610040

Description: Same as 9th Grade Literature and Composition with the following addition: Students in Ninth Grade Honors Language Arts also receive a college preparatory curriculum based on the Georgia Performance Standards. Although the GPS remains the same, the honors level of Ninth Grade Language Arts typically involves a significantly increased reading and writing workload than the non-Honors class. Honors students must be able to select and independently work with texts from a college bound reading list. Honors students will be expected to deeply read and analyze texts, both with and without classroom guidance. Honors classes cover text and material at an accelerated pace.

Course Name: Gifted 9th Grade Literature and Composition Honors

Course Number: 23.2610040

***See Mr. Martin – Room 834**

Description: Same description as 9th Grade Literature and Composition Honors with the following addition: Research component.

Course Name: 10th Grade Literature and Composition

Course Number: 23.0620000

Description: Tenth Grade Literature and Composition is organized thematically. Students will continue to develop vocabulary and apply effective reading strategies to a wide variety of literary and informational texts. They will learn about universal themes and symbols common to literary works, including the novel, short story, poetry, drama, and nonfiction. Students will continue to build on effective writing and research habits as they refine language arts skills which they will apply to writing, listening, speaking, and viewing. This course prepares students for college.

Course Name: 10th Grade Literature and Composition Honors

Course Number: 23.0620040 Year

Description: This course requires a teacher recommendation, which may be based on the following: approved writing, standardized test scores, and academic achievement. The honors level course has higher expectations and more rigorous coursework than the college preparatory level, including mandatory summer reading and written responses to literature. Tenth Grade Literature and Composition Honors is organized thematically. Students will continue to develop vocabulary and apply effective reading strategies to a wide variety of literary and informational texts. They will learn about universal themes and symbols common to literary works, including the novel, short story, poetry, drama, and nonfiction. Students will continue to build on effective writing and research habits as they refine language arts skills which they will apply to writing, listening, speaking, and viewing. This course prepares students for college.

Course Name: Gifted 10th Grade Literature and Composition Honors

Course Number: 23.2620040

***See Mr. Martin – Room 834**

Description: Same description as 10th Grade Literature and Composition Honors with the following addition: Research component.

Course Name: 11th Grade American Literature and Composition

Course Number: 23.0510000

Description: American Literature and Composition is a study of the major literary topics, themes, and movements in the history of the United States from pre-colonial times to present day. Students will focus on major literary forms of the emerging nation, analyze literary themes and trends, and both research and compose several papers, speeches, and presentations, using representative forms of discourse. This course prepares students for college.

Course Name: 11th Grade American Literature and Composition Honors

Course Number: 23.0510040

Description: This course requires a teacher recommendation, which may be based on the following: approved writing, standardized test scores, and academic achievement. The honors level course has higher expectations and more rigorous coursework than the college preparatory level, including mandatory summer reading and written responses to literature. American Literature and Composition Honors is a study of the major literary topics, themes, and movements in the history of the United States from pre-colonial times to present day. Students will focus on major literary forms of the emerging nation, analyze literary themes and trends, and both research and compose several papers, speeches, and presentations, using representative forms of discourse. This course prepares students for college.

Course Name: Advanced Placement English Language and Composition /American Literature

Course Number: 23.0530010

Description: This course is a study of rhetoric and the power of language, as well as a thematic study of significant works in American literature and genres of writing. Students must demonstrate mastery of written expression that includes analysis of authors' styles, including tone, diction, syntax, rhetorical patterns, and use of figurative language. The majority of works studied will be non-fiction. Students are required to complete summer assignments between their sophomore and junior year. The College Board administers a culminating assessment, including multiple-choice questions and free response composition that could result in earned college credits. This is a college-level course, and successful students find that independent study is necessary. Because this is a college course, extra credit will not be offered and recovery will be offered on a limited basis only.

Course Name: World Literature and Composition REQUIRED

Course Number: 23.0630001

Description: Students read literature based on the universal human experience across culture and time, write extensively, and improve skills in critical listening, thinking, speaking and research. World Literature and Composition is a study of universal themes present in literature from ancient civilizations to modern cultures around the world. Students will continue to develop vocabulary and apply effective reading strategies to a wide variety of literary and informational texts; to learn about universal themes common in literary works, including the novel, short story, poetry, drama, and nonfiction; to establish effective writing and research habits; and to refine language skills as they apply to writing, listening, speaking, and viewing. This course prepares students for college.

Course Name: Multicultural Literature and Composition REQUIRED

Course Number: 23.0670001

Description: Multicultural Literature and Composition focuses on world literature by and about people of diverse ethnic backgrounds. Students explore themes of linguistic and cultural diversity by comparing, contrasting, analyzing, and critiquing writing styles and universal themes. The students write expository, analytical, and response essays. A research component is critical. The students observe and listen critically and respond appropriately to written and oral communication. Conventions are essential for reading, writing, and speaking. Instruction in language conventions will, therefore, occur within the context of reading, writing, and speaking rather than in isolation. The students understand and acquire new vocabulary and use it correctly in reading, writing, and speaking.

Course Name: Advanced Placement English Literature and Composition

Course Number: 23.0650010

Description: In this course, students engage in the careful analysis of literary works. Through such study they sharpen their awareness of language and their understanding of the writer's craft. Writing assignments focus on the critical analysis of literature and include expository and persuasive essays, as well as analytical research. Students intensively study works from various genres and periods of literature. Students are required to complete summer assignments between their junior and senior years. The College Board administers a culminating assessment in May, including multiple choice questions and free response composition that could result in earned college credits.

Course Name: Contemporary Literature and Composition / Film Study

Course Number: 23.0660001

Description: Contemporary Literature is a one-semester elective. The course is a study of modern topics and themes as they appear in multi-media formats. Students develop vocabulary and apply effective critical thinking strategies to a wide variety of film genres while learning about universal themes common in not only multi-media formats but classic texts as well. Students compare, contrast and evaluate film from varying genres and progressively incorporate writing, critical thinking, listening, oral presentation, and research skills to advance their ability to learn from a media source so prevalent in their lives.

Course Name: Writer's Workshop

Course Number: 23.0310001

Description: Writer's Workshop is a one semester elective. The course is designed to develop and stretch students' writing skills beyond the bounds of theoretical academic frame works. It offers opportunities for students to explore different writing genres: personal and commercial narrative, poetry/song lyrics, flash fiction, screen-play, and persuasive modes of discourse. The students will study different writers and their writing styles. The students will have opportunities to improve writing proficiency through a complete study of the components of solid writing: fluency, style, diction, mechanics, grammar, imaginative expressions, and details. The course allows students to utilize the writing process to write independently and collaboratively to improve their writing. This course is recommended for students who thoroughly enjoy the writing process.

Course Name: Journalism/Newspaper I

Course Number: 23.0320000

***See Mr. Yarbrough – Media Center Lab**

Description: This series of courses is an introduction to newspaper writing and publishing. Students use computers to write and edit articles and to prepare layouts for the school newspaper.

Course Name: Journalism/Newspaper II

Course Number: 23.0330000 Year

***See Mr. Yarbrough – Media Center Lab**

Description: A continuation of the journalism series leading to a supervisory position in the publication of the paper.

Course Name: Journalism/Newspaper III

Course Number: 23.0350000

***See Mr. Yarbrough – Media Center Lab**

Description: A continuation of the journalism series; participants assume supervisory positions in the publication of the paper.

Course Name: Sports Journalism

Course Number: 23.0340400

***See Mr. Yarbrough – Media Center Lab**

Description: Sports Journalism - This series of courses is an introduction to sports online newspaper writing, and publishing, while also providing on-air talent for sporting events. Students will learn how to provide play-by-play and analysis of live Northview Events. Students use computers to write and edit

articles and to prepare layouts for the school online newspaper and for providing graphics of sporting events. Students will watch sporting events and learn how to craft expert opinions of the events they cover. This course requires an after school commitment to cover the events for our streaming network.

Course Name: Journalism/Literary Magazine I

Course Number: 23.0320008

***See Ms. Pope – Room 539**

Description: Literary Magazine participation provides students with an opportunity to experiment with various forms of creative verbal and visual expression. Students gather and critique entries for publication of the literary magazine and learn the basics of graphic design gaining hands-on computer experience. Students are also expected to raise money through advertising and fundraising activities, thus developing basic business skills.

Course Name: Journalism/Literary Magazine II

Course

Number: 23.0330008

***See Ms. Pope – Room 539**

Description: A continuation of Literary Magazine I that provides students with leadership opportunities as well as more in-depth computer design experience. As leaders, students are expected to synthesize submissions by other students, lead Literary Magazine I students in this synthesis process, critique submissions, analyze the overall impact of the magazine, and design layout and overall magazine product. Literary Magazine II students are also expected to submit their own creations, furthering the impact they have as writers and artists on the school as well as the community. As leaders, they organize the funding of the magazine ensuring it is a marketable product.

Course Name: Journalism/Literary Magazine III

Course Number: 23.0350008

***See Ms. Pope – Room 539**

Description: A continuation of Literary Magazine II that provides students with leadership opportunities as well as more in-depth computer design experience.

Course Name: Journalism/Yearbook I

Course Number: 23.0320007

***See Mr. Rawlin – Room 503**

Description: This course provides an introduction to the writing and layout of the high school yearbook. Students must apply. Students must have computer and/or photography skills or be willing to be trained.

Course Name: Journalism/Yearbook II

Course Number: 23.0330007

***See Mr. Rawlin – Room 503**

Description: A continuation of the series leading to a supervisory position in the publication of the yearbook.

Course Name: Journalism/Yearbook III

Course Number: 23.0350007

***See Mr. Rawlin – Room 503**

Description: A continuation of the series; participants assume supervisory positions in the publication of the school yearbook.

Course Name: Speech/Forensics I

Course Number: 23.0460001

Description: This course offers instruction in the foundational skills for public speaking and for debate. Students learn how to utilize vocal and physical performance to enhance their message when speaking for an audience, and they gain experience in speaking for different purposes. Through debates,

students explore ethical argumentation and learn cooperation and research skills as they prepare arguments to address national and international issues.

Course Name: Speech/Forensics II

Course Number: 23.0470001

***See Ms. Ulrich – Room 506**

Description: This course works in conjunction with the after-school competitive debate team, and strives to stimulate an awareness of and knowledge about public issues. Students have the opportunity to hone the kinds of communication skills that will serve them well for careers in business and law. In addition, students will expand academic research skills. Students must be members of the Speech and Debate team and must receive permission from advisor to enroll in the class.

Course Name/Course Number:

SAT Prep 35.0660001 Semester during 0 period, 7:30 – 8:20 each day.

SAT Prep 35.3660002 Semester **online** during regular school day

Description: Students receive intense practice and instruction in the areas of problem solving and advanced grammar. The course is team taught by a mathematics and a language arts teacher. In addition to being taught during the school day, a section will be offered online during the school day through GA Virtual Schools.

Course Name: Mythology

Course Number: 23.0210001

Description:

This course is an introduction to the best known and most influential Greek and Roman myths. In addition to the stories themselves, which are presented in approximate chronological sequence from the beginning of the universe to the founding of Rome, the course emphasizes the people who created these stories, as well as the literary, archaeological, artistic sources, and modern representations which have preserved them. Focus is also placed on the comparative study of plot, characters, and theme.

Course Name: College English

Description:

ENGL 1101 Composition and Rhetoric (Prerequisite: Degree level proficiency in English and reading; or ENGL 0098 and READ 0098) Explores the analysis of literature and articles about issues in the humanities and in society. Students practice various modes of writing, ranging from exposition to argumentation and persuasion. The course includes a review of standard grammatical and stylistic usage in proofreading and editing. An introduction to library resources lays the foundation for research. Topics include writing analysis and practice, revision, and research. Students write a research paper using library resources and using a formatting and documentation style appropriate to the purpose and audience.

ENGL 1102 Literature and Composition (Prerequisite: ENGL 1101) Develops writing skills beyond the levels of proficiency required by ENGL 1101. ENGL 1102 emphasizes the student's ability to read literature analytically and meaningfully and to communicate clearly. Students analyze the form and content of literature in historical and philosophical contexts. Topics include reading and analysis of fiction/nonfiction, poetry, and drama; research; and writing about literature.

MANUFACTURING

Course Name: Foundations of Manufacturing

Course Number: 21.441

Description: Foundations of Manufacturing is the introductory course for the Manufacturing Career Pathway. This course provides students with opportunities to develop fundamental knowledge in the processes of Manufacturing, Robotics, and Automated systems. In addition, the course will provide an overview of the safe use of tools and equipment used in the industry. Upon completing this course,

students will be able to apply their knowledge to our follow-up second course in Robotics and Automated Systems which uses of computer aided design (CAD), computer numerical control (CNC), robotics, computer assisted manufacturing (CAM), programmable logic controllers, automated guided vehicles (AGV), and computer integrated manufacturing (CIM). No prerequisite for this course.

MARKETING: MARKETING & MANAGEMENT

Course Name: Marketing Principles

Course Number: 08.4740000

Description: Want to learn more about the branding of your favorite products from development to production? Are you interested in the advertising campaigns of big businesses such as Coca Cola or Apple? This is the foundational course for the new pathway in Marketing. Marketing Principles addresses all the ways in which marketing satisfies consumer and business needs and wants for products and services. Students develop an understanding of the functions of marketing and how these functional areas affect all businesses. They learn basic marketing concepts and the role of marketing in our economy. Students also develop skills in applying economic concepts to marketing, distribution and logistics, marketing information management, finance in marketing, product/service planning, pricing mixes, promotional strategies, and personal selling.

Course Name: Marketing & Entrepreneurship

Course Number: 08.4410000

Description: Want to own your own business? If so, this marketing course is for you! This course will allow you to build on the theories learned in Marketing Principles by providing practical application scenarios which test these theories. During the class period, you will be managing and operating the school stores—The N Zone and N Zone Coffee Co. You will learn about personal selling, promotion, and teamwork with an emphasis on small business ownership. Along with your classwork, you are asked to work in the stores one morning per week which comprises a portion of your class grade and is very important! Also, just like any business, you will be responsible for maintaining the appearance of the store. Operating the N Zone can be a great learning experience (and a lot of fun too!)

Course Name: Marketing Management

Course Number: 08.4420000

Description: Marketing Management is the third course in the Marketing and Management pathway. As with the previous marketing course, you will continue to operate the school stores, The N Zone and N Zone Coffee Co. However, in this course you assume more control over the business with a managerial perspective. You will be able to meet with vendors like Under Armour and Tervis to help select the merchandise the store sells and analyze our operation's needs. This is a wonderful opportunity for you to gain valuable leadership and work experience as you continue to learn the ins and outs of running a small business!

MATHEMATICS

Course Name: GSE Coordinate Algebra

Course Number: 27.0971000

Description: The fundamental purpose of Coordinate Algebra is to formalize and extend the mathematics that students learned in the middle grades. The critical areas, organized into units, deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomena, and in part by applying linear models to data that exhibit a linear trend. Coordinate Algebra uses algebra to deepen and extend understanding of geometric knowledge from prior grades. The final unit in the course ties together the algebraic and geometric ideas studied. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that

students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Course Name: GSE Coordinate Algebra Support

Course Number: 27.1981000

Description: Students recommended for GPS Algebra Support will complete this course concurrently with GPS Algebra. The contents of this course supplement the GPS Algebra curriculum and provide students with additional review of basic math skills. It serves as a medium for preview and review of material. This course is strongly suggested for students not meeting the standards set forth on the 8th grade math CRCT. It is also encouraged for students who narrowly met the standards, and for students who have historically struggled in the math classroom.

Course Name: GSE Accelerated Coordinate Algebra Honors

Course Number: 27.0975040

Description: The fundamental purpose of Accelerated GSE Coordinate Algebra/Geometry A is to formalize and extend the mathematics that students learned in the middle grades. The critical areas, organized into units, deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomena, and in part by applying linear models to data that exhibit a linear trend. Coordinate Algebra uses algebra to deepen and extend understanding of geometric knowledge from prior grades. The next unit in the course ties together the algebraic and geometric ideas studied. Transformations on the coordinate plane provide opportunities for the formal study of congruence and similarity. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. The study of circles uses similarity and congruence to develop basic theorems relating circles and lines and rounds out the course. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Course Name: GSE Geometry

Course Number: 27.0972000

Description: The focus of Geometry on the coordinate plane is organized into 6 critical areas. Transformations on the coordinate plane provide opportunities for the formal study of congruence and similarity. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. The study of circles uses similarity and congruence to develop basic theorems relating circles and lines. The need for extending the set of rational numbers arises and real and complex numbers are introduced so that all quadratic equations can be solved. Quadratic expressions, equations, and functions are developed; comparing their characteristics and behavior to those of linear and exponential relationships from Coordinate Algebra. Circles return with their quadratic algebraic representations on the coordinate plane. The link between probability and data is explored through conditional probability. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Course Name: GSE Geometry Support

Course Number: 27.1982000

Description: Students recommended for GPS Geometry Support will take this course concurrently with GPS Geometry. This course will supplement the curriculum of the GPS Geometry course and provide students with additional review in Algebra and Geometry skills. This course is strongly suggested for students scoring between a 70 and 74 in GPS Algebra, or for students who were enrolled in GPS Algebra Support in the 9th grade.

Course Name: GSE Accelerated Geometry Honors

Course Number: 27.0976040

Description: The focus of Accelerated GSE Geometry B / Algebra 2 is organized into 10 critical areas. The need for extending the set of rational numbers arises and real and complex numbers are introduced so that all quadratic equations can be solved. Quadratic expressions, equations, and functions are developed; comparing their characteristics and behavior to those of linear and exponential relationships from Coordinate Algebra. Circles return with their quadratic algebraic representations on the coordinate

plane. The link between probability and data is explored through conditional probability. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include polynomial, rational, and radical functions. They expand their study of right triangle trigonometry to model periodic phenomena. And, finally, students bring together all of their experience with functions and geometry to create models and solve contextual problems. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Course Name: Gifted GSE Accelerated Geometry Honors

Course Number: 27.2976040

Description: The focus of Accelerated GSE Geometry B / Algebra 2 is organized into 10 critical areas. The need for extending the set of rational numbers arises and real and complex numbers are introduced so that all quadratic equations can be solved. Quadratic expressions, equations, and functions are developed; comparing their characteristics and behavior to those of linear and exponential relationships from Coordinate Algebra. Circles return with their quadratic algebraic representations on the coordinate plane. The link between probability and data is explored through conditional probability. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include polynomial, rational, and radical functions. They expand their study of right triangle trigonometry to model periodic phenomena. And, finally, students bring together all of their experience with functions and geometry to create models and solve contextual problems. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Course Name: GSE Algebra 2

Course Number: 27.0830000

Description: Analyze polynomial functions of higher degree; explore logarithmic functions as inverses of exponential functions; solve a variety of equations and inequalities numerically, algebraically, and graphically; use matrices and linear programming to represent and solve problems; use matrices to represent and solve problems involving vertex-edge graphs; investigate the relationships between lines and circles; recognize, analyze, and graph the equations of conic sections; investigate planes and spheres; solve problems by interpreting a normal distribution as a probability distribution; and design and conduct experimental and observational studies.

Course Name: GSE Algebra 2 Support

Course Number: 27.1460000

Description: Students recommended for GPS Algebra 2 Support will take this course concurrently with GPS Algebra 2. This course will supplement the curriculum of the GPS Algebra 2 course and provide students with additional review in Algebra and Geometry skills. This course is strongly suggested for students scoring between a 70 and 74 in GPS Algebra or GPS Geometry, or for students who were enrolled in GPS Algebra Support or GPS Geometry Support.

Course Name: GSE Accelerated Precalculus Honors

Course Number: 27.0930040

Description: Investigate and use rational functions; analyze and use trigonometric functions, their graphs, and their inverses; find areas of triangles using trigonometric relationships; use trigonometric identities to solve problems and verify equivalence statements; solve trigonometric equations analytically and with technology; use complex numbers in trigonometric form; understand and use vectors; use sequences and series; explore parametric representations of plane curves; explore polar equations; investigate the Central Limit theorem; and use margins of error and confidence intervals to make inferences from data

Course Name: GSE Precalculus

Course Number: 27.0624000

Description: Investigate and use rational functions; analyze and use trigonometric functions, their graphs, and their inverses; use trigonometric identities to solve problems and verify equivalence statements; solve trigonometric equations analytically and with technology; find areas of triangles using

trigonometric relationships; use sequences and series; understand and use vectors; investigate the Central Limit theorem; and use margins of error and confidence intervals to make inferences from data.

Course Name: Calculus

Course Number: 27.0780000

Description: Calculus is the mathematics of change and motion and the concepts are based on infinite process. Calculus examines problems in four ways: graphically, numerically, analytically, and in written expression. Topics include properties of functions and graphs, limits and continuity, differential calculus, and integral calculus.

Course Name: Advanced Mathematical Decision Making

Course Number: 27.0850000

Description: This course will give students further experiences with statistical information and summaries, methods of designing and conducting statistical studies, and opportunity to analyze various voting processes, modeling of data, basic financial decisions, and use network models for making informed decisions.

Course Name: Advanced Placement Calculus AB

Course Number: 27.0720010

Description: This course follows the College Board syllabus for the AP exam and is a college level mathematics course. This course covers one semester of college calculus. Calculus is the mathematics of change and motion and the concepts are based on infinite process. AP Calculus examines problems in four ways: graphically, numerically, analytically, and in written expression. Topics include properties of functions and graphs, limits and continuity, differential calculus, and integral calculus. All students enrolled in AP Calculus AB are required to take the AP Examination in May if they are passing this course prior to the AP Examinations.

Course Name: Advanced Placement Calculus BC

Course Number: 27.0730010

Description: This course follows the College Board syllabus for the AP exam and is a college level mathematics course. This course covers two semesters of college calculus. Calculus is the mathematics of change and motion and the concepts are based on infinite process. AP Calculus examines problems in four ways: graphically, numerically, analytically, and in written expression. Topics of AP Calculus AB are covered and additional topics covered in BC Calculus include vector functions, parametric equations, conversions, parametrically defined curves, tangent lines, sequences and series, integration techniques, and calculus of polar equations. All students enrolled in AP Calculus BC are required to take the AP Examination in May if they are passing this course prior to the AP Examinations.

Course Name: Advanced Placement Statistics

Course Number: 27.0740010

Description: This course follows the College Board syllabus for the AP exam and is a college level mathematics course. The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: (1) Exploring Data: observing patterns and departures from patterns (2) Planning a Study: Deciding what and how to measure (3) Anticipating Patterns: Producing models using probability and simulation (4) Statistical Inference: Confirming models. Students who do well in this class have very good problems solving skills and very good writing skills. It is important to understand that students must be able to explain their answers using arguments, graphs, and statistical skills that they will learn in the course. All students enrolled in AP Statistics are required to take the AP Examination in May if they are passing this course at the time of the exam.

Course Name/Course Number:

College Algebra: Fall semester

College Precalculus: Spring semester

Descriptions:

MATH 1111 College Algebra (Prerequisite: Appropriate degree placement test scores or ENGL 0098, READ 0098 and MATH 0099). Emphasizes techniques of problem solving using algebraic concepts. Topics include fundamental concepts of algebra, equations and inequalities, functions and graphs, and systems of equations; optional topics include sequences, series, and probability or Geometry.

MATH 1113 Precalculus (Prerequisite: MATH 1111) Prepares students for calculus. The topics discussed include an intensive study of polynomial, rational, exponential, logarithmic, and trigonometric functions and their graphs. Applications include simple maximum and minimum problems, exponential growth and decay.

Course Name/Course Number:

College Calculus 2 27.0750405*

College Calculus 3 27.0750406* **co-requisites; students must register for both courses*

Description: This course is taught by a Georgia Tech professor through the Distance Learning Lab. Students from several Fulton County High Schools become part of this Georgia Tech classroom through the use of technology. The Calculus 2 course concludes the treatment of single variable calculus, and begins linear algebra—the linear basis of the multivariable theory. The Calculus 3 course involves multivariable calculus: Linear approximation and Taylor’s theorems, Lagrange multiples and constrained optimization, multiple integration and vector analysis including the theorems of Green, Gauss and Stokes.

Course Name/Course Number:

SAT Prep (35.0660001) Semester during regular school day

SAT Prep (35.0660002) Semester **online** during regular school day

Description: Students receive intense practice and instruction in the areas of problem solving and advanced grammar. The course is team-taught by a mathematics and a language arts teacher. In addition to being taught during the school day, a section will be offered online during the school day through GA Virtual Schools.

MENTORSHIP EXPERIENCES

Course Name: Mentorship

Course Number: 70.0110001

***See Ms. McCall in room 438**

Description: This course provides an opportunity for students to serve as mentors in a classroom setting

Course Name: Peer Facilitation

Course Number: 35.0410001

***See Ms. McCall in room 438**

Description: Participants assist in the school offices and must be able to interact with students and adults in a variety of settings. Students learn about different business processes and procedures.

Course Name: Work Based Learning - one period (1A) or two periods (1A and 1B) Work Study Paid Internship

Course Number: 06.7214000 (1A – 6th period)

06.7215000 (1A and 1B 5th and 6th periods)

***See Ms. McCall in room 438**

Description: The Internship program is designed to provide on-the-job training for students in the program. Students are released for periods five and six to receive hands-on learning through employment in a variety of worksites. Students earn money while developing good attitudes, work ethics, and new skills.

MUSIC

Course Name: Advanced Placement Music Theory

Course Number: 53.0230010

Description: This course will develop a student's ability to recognize, understand and describe the basic materials and processes of music that are heard or presented in a score. The student will develop aural, sight-singing, written, compositional, and analytical skills. These will be developed through listening exercises, performance, written exercises, creative exercises and analytical exercises. The course will instill mastery of the rudiments and terminology of music.

Course Name/Course Number:

Guitar Lab I - A 53.0841001

Guitar Lab I - B 53.0841002

Description: Introduces basic guitar techniques in a group setting. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. No musical experience is required to participate in class guitar – only a desire to learn how to play! Students will be expected to complete guitar performance tests (proficiencies) on their guitar.

Course Name/Course Number:

Guitar Lab 2 – A

Guitar Lab 2 – B

Prerequisite: Beginning Guitar 1 A & B

Description: Enhances level-one skills and provides further opportunities for individualized study in 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.

Course Name/Course Number:

Piano Lab I - A 53.0941001

Piano Lab I - B 53.0941002

Description: Students learn to play the piano in a lab setting. No prior experience is required. Students will perform solo and ensemble materials as they study basic piano technique and music reading. An end of course recital is required as a gradable experience

Course Name: Music Appreciation

Course Number: 53.0140001

Description: "Music for Non-Majors." Students who have an interest in music but are not a member of a performing ensemble may enroll in this class to further understanding of musical terminology, notation, elements of music, perceptive listening and attitudes and appreciation. Includes in depth studies of historical time periods & composers as well as an extended look at the history of Pop Music and Rock & Roll.

Course Name: Intermediate Orchestra I, II, III, IV - Concert Orchestra

Course Number: 53.0582000

Description: This performing ensemble is designed for those students who have prior string experience. The emphasis of instruction is on developing advanced technique at both the individual and group levels. To foster advanced learning we will continue our study of musical form, theory, ear training, ensemble repertoire, posture, positions, and full orchestra repertoire. Rehearsals and performances held outside of class time are considered as gradable experiences for the course.

Course Name: Advanced Orchestra I, II, III, IV - Philharmonia Orchestra

Course Number: 53.0583000

Description: This performing ensemble is designed for those students who have prior string experience. The emphasis of instruction is on developing advanced technique at both the individual and group levels. To foster advanced learning, we will continue our study of musical form, theory, ear training, ensemble repertoire, posture, positions, and full orchestra repertoire. Rehearsals and performances held outside of class time are considered gradable experiences for the course. Performance expectations for this ensemble are quite rigorous.

Course Name: Mastery Orchestra I, II, III, IV - Chamber Orchestra

Course Number: 53.0584000

Description: This performing ensemble is designed for students who have advanced techniques and musical skills. Emphasis is placed on refining personal and ensemble technique to better explore the richness of the orchestra tradition. Performance schedules feature local and regional engagements. Rehearsals and performances held outside of class time are considered as gradable experiences for the course.

Course Name: Intermediate Band I, II, III, IV – Wind Symphony

Course Number: 53.0382000

Description: This class provides students an opportunity to learn the fundamental techniques of performance and rehearsal in preparation for local and regional performances. Participation in the GMEA District Large Group Performance Evaluation formerly “Festival” is an essential component of Concert Band membership. Rehearsals and performances held outside of class time are considered as gradable experiences for the course.

Course Name: Advanced Band I, II, III, IV – Wind Ensemble

Course Number: 53.0383000

Description: This class provides students an opportunity to learn the fundamental techniques of performance and rehearsal in preparation for local and regional performances. Participation in the GMEA District Large Group Performance Evaluation formerly “Festival” is an essential component of Concert Band membership. Rehearsals and performances held outside of class time are considered as gradable experiences for the course.

Course Name: Mastery Band I, II, III, IV – Chamber Winds

Course Number: 53.0384000

Description: This class is an ensemble of advanced musicians who have demonstrated a high level of proficiency; this class deals with advanced technical and musical concepts. Participation in the GMEA District Large Group Performance Evaluation formerly “Festival” as well as various annual performances is required of all members. Rehearsals and performances held outside of class time are considered as gradable experiences for the course.

Course Name: Advanced Mixed Chorus

Course Number: 54.0231000

Description: An advanced ensemble that performs a wide variety of choral literature from classics to contemporary. Music theory and sight-singing are taught. Rehearsals and performances held outside of class time are considered as gradable experiences for the course. Open to students in grades 9-12.

Course Name:

Advanced Women’s Chorus: 54.0261000

Description: Advanced ensembles that perform a wide variety of choral literature from classics to contemporary. Music theory and sight-singing are taught. Rehearsals and performances held outside of class time are considered as gradable experiences for the course. Open to students in grades 9-12.

Course Name: Advanced Music Technology

Course Number: 53.0223000

Using the latest in music technology applications, students will create, compose, arrange and perform contemporary and popular music. Students will learn how to use a wide variety of apps on the Apple iPad, discover their own personal musical style and utilize traditional musical techniques for

composition. Students will learn how to create and use loops, sequences with synthesizers as well as record and publish their own music.

SCIENCE

Science Graduation Requirements:

Level 1: Biology

Level 2: Physical Science or Physics

Level 3: Chemistry, Earth Systems, Environmental Science, or an AP course

Level 4: Elective

Course Name: Biology

Course Number: 26.0120000

Graduation Credit: Will satisfy level 1 science graduation credit if pass both semesters.

Description: Relationships between structures and functions of living cells; role of DNA/RNA in biological traits; increasing complexity in single-celled and multi-celled organisms; interdependence of organisms and the flow of energy; natural selection and the theory of evolution. An end of course test in biology is administered second semester to assess the progress of the students in the course. This test counts as the final exam for second semester and is 20% of the final grade.

Course Name: Biology Honors

Course Number: 26.0120040

Graduation Credit: Will satisfy level 1 science graduation credit if pass both semesters.

Description: Relationships between structures and functions of living cells; role of DNA/RNA in biological traits; increasing complexity in single-celled and multi-celled organisms; interdependence of organisms and the flow of energy; natural selection and the history of evolution; science research project and in depth study of selected biology topics and skills preparing students for AP Biology and AP Environmental Science study. An end of course test in biology is administered second semester to assess the progress of the students in the course. This test counts as the final exam for second semester and is 20% of the final grade.

Course Name: Gifted Biology Honors

Course Number: 26.2120040

Graduation Credit: Will satisfy level 1 science graduation credit if pass both semesters.

Description: Relationships between structures and functions of living cells; role of DNA/RNA in biological traits; increasing complexity in single-celled and multi-celled organisms; interdependence of organisms and the flow of energy; natural selection and the history of evolution; science research project and in depth study of selected biology topics and skills preparing students for AP Biology and AP Environmental Science study. An end of course test in biology is administered second semester to assess the progress of the students in the course. This test counts as the final exam for second semester and is 20% of the final grade.

Course Name: Physical Science

Course Number: 40.0110000

Graduation Credit: Will satisfy level 2 science graduation credit if pass both semesters.

Description: Current understanding of the atom; nature, classification, and naming of matter; characteristics and components of radioactivity; arrangement of the Periodic Table; phases of matter and molecular motion; properties of solutions; transformations and flow of energy; force, mass, and motion; properties of waves; properties of electricity and magnetism. An end of course test in physical science is administered second semester to assess the progress of the students in the course. This test counts as the final exam for second semester and is 20% of the final grade.

Course Name: Physical Science Honors

Course Number: 40.0110040

Graduation Credit: Will satisfy level 2 science graduation credit if pass both semesters.

Description: Current understanding of the atom; nature, classification, and naming of matter; characteristics and components of radioactivity; arrangement of Periodic Table; phases of matter and molecular motion; gas laws, properties of solutions; transformations and flow of energy; force, mass, and motion; properties of waves; properties of electricity and magnetism, science research project. An end of course test in physical science is administered second semester to assess the progress of the students in the course. This test counts as the final exam for second semester and is 20% of the final grade.

Course Name: Chemistry

Course Number: 40.0510000

Graduation Credit: Will satisfy level 3 science graduation credit if pass both semesters. Can also be a level 4 science graduation credit when either earth systems or environmental science was the level 3 science graduation credit.

Description: Topics covered will include the nature of matter and its classifications; atomic theory and the characteristics of atoms; the effects the motion of atoms and molecules have in chemical and physical processes; the organization of the periodic table and how to use it to predict properties of elements; how atoms combine to make chemicals and then recombine in chemical reactions; factors that can affect chemical reactions; characteristics of acids, bases, and solutions; other topics as time allows. Chemistry students should have strong algebra and problem solving skills and a firm grasp of the scientific method and its application.

Course Name: Chemistry Honors

Course Number: 40.0510040

Graduation Credit: Will satisfy level 3 science graduation credit if pass both semesters

Description: Skills needed for this course are the ability to apply past learning to new concepts; the demonstration of abstract and higher level thinking; the ability to perform algebraic manipulations easily; the ability to read critically; self-motivation; and experience in writing formal lab reports. Topics covered in this year long course are characteristics of science, the nature and classification of matter, stoichiometry, conservation of matter, the atom, the atomic theory, the periodic table, reaction rates, characteristics of acids, bases and solutions, equilibrium, and other topics as time allows. Honors Chemistry students are required to complete an in-depth, individual literature review during the first semester.

Course Name: Physics

Course Number: 40.0810000

Graduation Credit: Will satisfy the level 2 science graduation credit if pass both semesters. Can be used to satisfy the level 4 science graduation credit if physical science was used as the level 2 science graduation credit.

Description: Physics extends the physical sciences to more abstract concepts including interactions of matter and energy, velocity, acceleration, forces, energy, momentum, thermodynamics, charge, electricity, magnetism, waves, light, optics, and subatomic physics. The subject is treated both conceptually and mathematically. Concepts are investigated through laboratory experiences and fieldwork designed for students to develop appropriate knowledge and skills in science as inquiry.

Course Name: Environmental Science

Course Number: 26.0611000

Graduation Credit: Will satisfy the level 3 science graduation credit if pass both semesters. Can be used as a level 4 science graduation credit if chemistry or earth systems was the level 3 science graduation credit.

Description: Integrates the study of many components of our environment including: human population growth and cultural revolutions, advent of environmental concerns, fossil fuels, nuclear and alternative energies, air pollution and conservation, soil erosion and conservation, waste disposal and management, cycling of Earth's resources, interactions in biosystems. Instruction focuses on student data collection and analysis and interpretation of data gathered on global concepts.

Course Name: Human Anatomy and Physiology

Course Number: 26.0730000

Graduation Credit: Will satisfy level 4 science graduation credit if passed both semesters.

Description: This year-long course is an in-depth study of the human body. Students investigate the

systems of the body in detail and the class is valuable for students interested in allied health careers, psychology, and physical education. Students are expected to dissect animals.

Course Name: Human Anatomy and Physiology Honors

Course Number: 26.0730040

Graduation Credit: Will satisfy level 4 science graduation credit if passed both semesters.

Description: This year-long course explores the systems comprising the human body by emphasizing physiological mechanisms and a thorough understanding of human anatomy. An emphasis is placed on the interrelatedness of such systems as the skeletal, muscular, nervous, and circulatory. This course is intended for the student who is interested in advanced competency in medical science. Students are expected to dissect animals.

Course Name: Astronomy

Course Number: 40.0210000

Graduation Credit: Will satisfy level 4 science graduation credit if pass both semesters.

Description: This course will provide the student with an introduction to the phenomenon (energy and materials) outside of the earth's atmosphere, including the earth/moon system, the solar system and star systems, the Milky Way and galactic systems, and the universe as a whole. Concepts of modern astronomy, the origin and history of the Universe and the formation of the Earth and the solar system will also be studied. Students will compare the Earth's properties with those of the other planets and explore how the heavens have influenced human thought and action. Although largely descriptive, the course will occasionally require the use of sophomore-high level mathematics.

Course Name: Earth Systems

Course Number: 40.0640000

Graduation Credit: Will satisfy level 3 science graduation credit if pass both semesters. Can be used for level 4 science graduation credit when chemistry or environmental science was completed for level 3 science graduation credit.

Description: Earth Systems Science is designed to investigate the connections among Earth's systems through Earth history. These systems—the atmosphere, hydrosphere, geosphere, and biosphere—interact through time to produce the Earth's landscapes, ecology, and resources. This course develops the explanations of phenomena fundamental to the sciences of geology and physical geography, including the early history of the Earth, plate tectonics, landform evolution, the Earth's geologic record, weather and climate, and the history of life on Earth.

Course Name: Advanced Placement Biology

Course Number: 26.0140010

Graduation Credit: Will satisfy level 4 science graduation credit if passed both semesters.

Description: This course is designed to be the equivalent of a college introductory biology course usually taken by biology majors. The goal of this course is to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Topics include molecules and cells, heredity and evolution, and organisms and populations. In addition, extensive laboratory work is required that demonstrates a student's mastery of laboratory science skills and knowledge.

Course Name: Advanced Placement Environmental Science

Course Number: 26.0620010

Graduation Credit: Will satisfy level 4 science graduation credit if passed both semesters.

Description: This course investigates the interaction between people and the four main Earth systems – the hydrosphere, atmosphere, lithosphere, and biosphere. Students are expected to do work appropriate to a college course covering the same material. Topics include Earth systems, the living world, population, land and water use, energy resources and consumption, pollution, and global change,. Students will read textual information, conduct laboratory investigations, complete projects, and discuss course concepts. The AP examination devotes 90 minutes to multiple-choice questions and 90 minutes to four essays.

Course Name: Advanced Placement Chemistry

Course Number: 40.01100004

Graduation Credit: Will satisfy level 4 science graduation credit if passed both semesters.

Description: This course provides students the opportunity to attain a depth of understanding of fundamentals and a reasonable competence to deal with chemical problems. The course also develops the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. An extensive laboratory experience, equivalent to that of a college course, is provided for all Advanced Placement Chemistry students. The AP Chemistry Exam consists of two main parts. The first part of the exam constitutes 50% of the final grade and covers broad factual knowledge. The second part constitutes 50% of the final grade and requires the student to demonstrate reasoning abilities by the application of chemical principles to problem solving learned in the laboratory and in the classroom. The AP examination devotes 90 minutes to multiple-choice questions and 95 minutes to free response problems, short essays, and chemical reactions.

Course Name: Advanced Placement Physics 1

Course Number: 40.0830010

Graduation Credit: Will satisfy the level 2 science graduation credit if pass both semesters. Can be used as level 4 science graduation credit when physics was used to satisfy the level 2 science graduation credit.

Description: This course provides a thorough introduction to algebra-based physics, in particular Newtonian mechanics. An emphasis is placed on the use of laboratory experiences to develop and further an understanding of the concepts. The course is equivalent to a first-semester college course in algebra-based physics and is not the usual preparation for more advanced physics and engineering courses. The AP Physics 1 exam covers topics in Newtonian mechanics; work, energy and power; and mechanical waves and sound. The course will also include a thorough introduction to topics in electricity and magnetism which will not be evaluated on the AP Physics 1 exam.

Course Name: Advanced Placement Physics C - Mechanics

Course Number: 40.0842011

Graduation Credit: Will satisfy level 4 science graduation credit if passed both semesters of Physics C

Description: This course is the first of two parts of the college sequence that serves as the foundation in physics for students majoring in the physical sciences or engineering. Methods of calculus are used wherever appropriate in formulating physical principles and in applying them to physical problems. The sequence is more intensive and analytic than that in the B course. Strong emphasis is placed on solving a variety of challenging problems. The Physics C exams correspond to the Physics C course sequence.

Course Name: Advanced Placement Physics C – Electricity & Magnetism

Course Number: 40.0842012

Graduation Credit: Will satisfy level 4 science graduation credit if passed both semesters of Physics C.

Description: Electromagnetism, oscillations, gravitation, electrostatics and magnetostatics, electric current and circuits, capacitance and capacitors, sound, light, modern physics. Methods of calculus are used wherever appropriate in formulating physical principles and in applying them to physical problems. The sequence is more intensive and analytic than that in the B course. Strong emphasis is placed on solving a variety of challenging problems. The Physics C exams correspond to the Physics C course sequence.

Course Name: Forensic Science

Course Number: 40.0930000

Graduation Credit: Will satisfy level 4 science graduation credit if pass both semesters.

Description: In this course 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.

SOCIAL STUDIES

Course Name: American Government/Civics

Course Number: 45.0570001

Description: This course focuses on the political structure and decision-making process in the United States at the national level. It will also address citizenship and help develop the students' problem-

solving skills. The course will include specific facts, basic concepts, analytical questions and generalizations associated with the U.S. Constitution, federal government, democracy, politics, laws, two party system, international affairs, and rights and responsibilities of citizens. Students will be required to gain a working knowledge of the political system of the United States and to understand their role as active participants in the formation of public policy.

Course Name: World History

Course Number: 45.0830000

Description: World History, a year-long course, traces the development of civilization from the earliest mankind to present day. Students will identify the basic elements of all civilizations and follow the transition from ancient to the advanced. Important geography skills, recognition of patterns and connections, and critical thinking skills will be addressed in this curriculum. A strong emphasis is placed on relating historical events to current conditions of the world. Throughout the school year, students will gain a global perspective of events that contributed to present day society.

Course Name: Advanced Placement World History

Course Number: 45.0811010

Description: While offered in the tenth grade, this is a college-level history course and is taught with corresponding expectations. Students should have higher-level analytical skills and a strong commitment to maintaining the study habits and self-discipline required of an AP course. This course focuses on developing students' understanding of world history from approximately 8000 B.C.E. to the present. The course has students investigate the content of world history for significant events, individuals, developments, and processes in six historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides five themes (environment, politics, social structures, economics, culture) that students explore throughout the course in order to make connections in different times and places encompassing the five major geographic regions of the globe: Africa, the Americas, Asia, Europe, and Oceania. In addition to regular coursework, students will take the three-hour College Board AP Exam in May. It consists of 55 stimulus-based multiple-choice questions, a series of short answer questions, a document-based essay, and a long-essay using one of the aforementioned historical thinking skills.

Course Name: United States History

Course Number: 45.0810000

Description: United States History is organized chronologically but also focuses on the themes of the American democratic heritage, growth of the American nation, and global interdependence. In the first semester, connections are made with enduring social, economic, and political issues in the context of the exploration, settlement, emergence of the Constitutional freedoms. Second semester's focus includes the United States emergence as a world power and then a super power. The role of United States in the modern world and the country's global interdependence is covered in this course. A state mandated End of Course Test (ECOT) is given at the end of the course.

Course Name: Advanced Placement U.S. History

Course Number: 45.0820010

Description: Using a college-level textbook, this course traces the history of the major issues involved in the founding and development of the United States. Students will do extensive reading, including a summer reading assignment prior to beginning the course. Analysis of documents, discussions, and essay writing are major components of the course. Students take the three-hour College Board Exam in May. It consists of multiple-choice questions and essays, one of which is a document-based essay.

Course Name: Advanced Placement European History

Course Number: 45.0840010

AP European History engages the student is extensive reading and writing about developments in Europe from 1450, from the Early Renaissance to the present day. The course corresponds with the most recent developments in history curricula at the undergraduate level. In colleges and universities, European

history is increasingly seen in a broad [global] perspective, [in terms of Europe's influence on the world, and of the world on her]. Teaching methods reflect an awareness of other disciplines and diverse techniques of presentation, including visual and statistical materials. Students learn to craft thematic essays on topics of major significance, some are Free Response Questions (or FRQs); other required essays are the Document Based Questions (or DBQs). There are also multiple-choice sections of each test, and the exam. All types of questions in the course will address "PIRATES" themes in Europe: Political, Intellectual, Religious Artistic, Technological, Economic, Sociocultural, plus Diplomatic.

Course Name: Economics

Course Number: 45.0610001

Description: Economics is a one semester, senior level course that is required for graduation. The survey course of the U.S. economic system covers fundamentals of the market economy, micro-economics, macro-economics, and international and personal finance. Comparison of economic models and graphic analysis are included. There is a state mandated End of Course Test (EOCT) at the end of the semester.

Course Name: Advanced Placement Macroeconomics/Microeconomics

Course Number: 45.0620011

Description: These college-level courses fulfill core curriculum graduation requirements for 0.5 credits for Economics. In Macroeconomics, students study the structure of the economy as a whole, with emphasis on topics such as: national income accounting; economic performance measures; and international economics. While AP Macroeconomics "studies the forest," AP Microeconomics "studies the trees." In Microeconomics, students study specific economic units such as an individual industry, a firm, or a household. Topics include the functioning of individuals in the marketplace, including the function of product markets, factor markets, and the role of the government in such processes. Students will take the EOCT End-of-Course Test during the final part of the second semester of these combined courses. A "graded experience project" will replace the final exam during the EOCT semester. Students also take the College Board Exam for each AP class in May. The AP Macroeconomics exam and the AP Microeconomics exam consist of two sections on each exam: a 70-minute multiple-choice section, and a 50-minute essay section.

Course Name: Advanced Placement Psychology

Course Number: 45.0160010

Description: This course introduces students to the systematic and scientific study of behavior and mental processes of human beings and other animals. Students learn about the major subfields of psychology including research methodology; the biological basis of behavior; sensation and perception; learning; cognition; motivation and emotion; developmental psychology; personality; intelligence; and abnormal psychology. Psychology is a multi-disciplinarian subject. It is both a science and a social science. The various units of study require that students be able to understand concepts from both a science and social science perspective. Students are required to complete a research project.

Course Name: Advanced Placement Human Geography

Course Number: 45.0770010

Description: AP Human is a full-year course which focuses on analyzing spatial phenomena; specifically where are groups of people on the earth's surface, how did they get there, and what are their social, political, and cultural activities. The course also interprets the influence of social constructs and cultural rituals portrayed in cultural landscapes (or built environment). As students learn about humankind's relationship with its environment, students evaluate topics as: population patterns, and the planning challenges of regional urban growth, and urban area declines; cultural similarities and differences, as well as shifting social and political boundaries. The courses addresses historical and modern agricultural revolutions, as well as geopolitical and demographic concerns in the world after the collapse of the former Soviet Union, and in light of the terror events of a "post-911" world.

Course Name: Advanced Placement Government/Politics Comparative**Course Number:** 45.0530011

Description: This one-semester, introductory college-level course compares world governments, focusing on Great Britain, Russia/the former Soviet Union, China, Mexico, Nigeria, and Iran. Using analytical methods, students develop an understanding of typical patterns of political processes and behavior and their consequences; compare and contrast political institutions and processes across countries and to derive generalizations; analyze and interpret basic data relevant to comparative government and politics. Students will prepare for taking the College Board Exam given in May consisting of multiple-choice and free-response essays.

Course Name: Advanced Placement Government/Politics U.S.**Course Number:** 45.0520011

Description: This one-semester, introductory college-level course gives students an analytical perspective on government and politics in the United States. It includes both the study of general concepts used to interpret US government and politics and the analysis of specific examples. It requires familiarity with the various institutions, groups, beliefs, and ideas that constitute US government and politics. Students will prepare for taking the College Board Exam given in May consisting of multiple-choice and free-response essays. May be substituted for American Government/Civics credit

Course Name: Sociology**Course Number:** 45.0310003

Description: Sociology is the scientific study of human social interaction. Students will use current readings and class discussions to explore such topics as social groups; social institutions—family, education, religion, economy and government; social stratification and inequality; deviance; collective behavior and social change.

Course Name: Social Issues Through Media**Course Number:** 45.0130002

Description: Social Issues Through Media will cover current news events, historical events, social issues, bias, the media in the context of motion pictures, television, major news networks, social media, the internet and Web 2.0 technologies. The course will seek to find biases in media by looking at various sources of news. Students will look at historical events and time periods in relation to current media such as films and television. Students will participate in Socratic discussions, complete critiques and written analysis.

Course Name: US History in Film**Course Number:** 45.0812001

Description: This course will cover the entirety of US film history, including the early influences from within the US and the stylistic influences from abroad. This course will cover a wide array of standards from US history, World History, and English. Students will analyze films from a myriad of perspectives including stylistically, historically, aesthetically, and culturally. Students will use a variety of tools to create projects that will depict the transition of film from a carnival novelty to the blockbuster cultural phenomena of today.

Course Name: Human Behavior and Anthropology**Course Number:** 45.0140003

Description: Why do humans behave the way they do? Anthropology is the study of humans and humanity—past and present. It stands at the intersection of science, archeology, history, humanities, medicine and the future as a way of solving problems. This course is for those who are interested in social science and the humanities—especially if considering a career path in medicine, law, research/development, politics, journalism, finance, engineering or business. Genetics, nanotechnology, holistic medicine, pandemics, epidemics, diseases and cures will be featured as part of the study of humans.

The instructional approach to this courses will be to embrace multiple perspectives and focus on multi-cultural points of intersection and digression—with touchstone places in the world which are valued by our students held central when possible (Southwest/Central Asia, East Asia, India, the Korean peninsula, and Japan).

Students will engage in inquiry-oriented projects related to Social Studies and be expected to participate in robust intellectual discourse.

Course Name: Current Events / Current Issues

Course Number: 45.0120001

Description: Simply put, this class is for students who want to know more about what is going on in the world today. This course will provide students the opportunity to research and discuss current issues garnering domestic and international attention. While the class will focus on headline news, attention will also be paid to news topics emanating from fields such as science, art, politics, and editorials. Expect an interactive classroom environment, as participation in discussions and presentations may be required. This course also ties in well with clubs that have an international focus, such as Model U.N. or Model Arab League.

Course Name: National Security / Modern Warfare

Course Number: 45.0910603

Description: Scope of the course: An Analysis of Social, Political, and Economic Factors That Contribute to War. Students will examine the role of the military and conflict on both the ancient and modern world. Students will research and analyze the strategic, technological, cultural, and political influence of warfare on human history and the development of civilizations from Ancient Greece to the war in Afghanistan. Additionally, this course will debate the many reasons why Military History is the most common theme of modern popular history. In addition, students will learn to think critically about war as it has occurred across time and continents. They will analyze how cultural, political, and social institutions have been causal agents of war as well as how they have been shaped by war.

Course Name: Psychology

Course Number: 45.0150001

Description: This course will introduce students to the systematic and scientific approach to the study of human behavior and mental processes. Students will explore a general overview of the various aspects of psychology including: research methods, biological basis of behavior, sensation and perception, learning, memory, motivation and emotion, personality, intelligence, developmental psychology and abnormal psychology and treatments. This will be accomplished through the use of case studies, videos, and hands on activities to better understand how we work and function as human beings.

TALENTED AND GIFTED (TAG)

Course Name/Course Number:

Gifted Participation - 9 70.2330008

Gifted Participation - 10 70.2330009

Gifted Participation - 11 70.2340008

Gifted Participation - 12 70.2340009

Description: The TAG Program has numerous participation options for gifted students including seminars, individual projects, TAG Directed Studies, TAG Career Internships, and Advanced Placement courses. Seminar participants' schedules will have NO regular course with a computer number xx.2xxxxxx. These students must register for a seminar at Northviewhigh.com at the beginning of the semester to earn participation in the TAG program. TAG seminars meet once per week in a "lunch and learn" format during the student's lunch hour.

***See Mr. Martin – TAG office Room 522**

Course Name/Course Number:

TAG Directed Study I-A 70.2320001

TAG Directed Study I-B 70.2320002

TAG Directed Study II-A 70.2330001

TAG Directed Study II-B 70.2330002

TAG Directed Study III-A 70.2340001

TAG Directed Study III-B 70.2340002

Description: The Directed Study option allows TAG students to develop and design their own course of study. Students plan the content of the course, projects to be produced, and the methods of evaluation to be used. Each course of study must include a minimum of twelve gradable experiences per semester. Students work with a TAG teacher who directs their study and evaluates their progress. Pre-requisite: application and discussion with counselor.

***See Mr. Martin – TAG office Room 522**

Course Name/Course Number:

TAG Internship I-A 70.2210001

TAG Internship I-B 70.2210002

TAG Internship II-A 70.2220001

TAG Internship II-B 70.2220002

Description: This course provides an on-site (off campus), mentorship/internship study opportunity for TAG students with a post-college career interest in fields such as accounting, advertising, architecture, banking, engineering, journalism, law, medicine, veterinary medicine, or any career of the student's interest. Students are placed with a professional in their career field of choice and are evaluated by the on-site supervisor in addition to the TAG teacher. The pre-requisites for this course are the successful completion of the HIRE ME! Seminar and to have already participated in a career interest interview with the Internship county level coordinator.

***See Mr. Martin – TAG office Room 522**

THERAPEUTIC SERVICES – PHYSICAL MEDICINE / SPORTS MEDICINE

Course Name: Introduction to Healthcare Science

Course Number: 25.4210000

Description: 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.

Course Name: Essentials of Healthcare

Course Number: 25.4220000

Description: 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.

Course Name: Sports Medicine

Course Number: 25.4460000

Description: The course is appropriate for students who wish to pursue a career in healthcare with a focus on the musculoskeletal system, injury assessment, injury prevention, or rehabilitation including

careers in Sports Medicine and Rehabilitative Services. This course will enable students to receive initial exposure to therapeutic services skills and attitudes applicable to the healthcare industry. The concepts of anatomy and physiology, assessment, preventative and rehabilitative care are introduced. Fundamental healthcare skills development is initiated, including medical terminology, kinesiology, patient assessment, record keeping, and basic life support.

WORLD LANGUAGES

Each World Language has a Pathway-at least 2 years are required in addition to the 4 credits of science, math, history & English. A minimum of three years is required to complete a World Language Pathway. For the Class of 2014 and beyond, students planning to enter or transfer into a University System of Georgia institution or other post-secondary institution must take two units of the same world language. Many universities now require more than the two basic years as evidence of academic achievement.

Course Name: Chinese I

Course Number: 62.0110000

Description: Beginning level Chinese is designed to introduce students to the Chinese language and the culture of Chinese-speaking people. Students will use the four language skills; listening, speaking, reading and writing to attain proficiency and the ability to communicate in Chinese. Major topics include: introduction to Chinese characters and pronunciation; greetings, family & friends; numbers, telling time & calendar dates; school information & daily routines; foods & clothing; holidays & festivals; Chinese culture. Major Materials: *Ni Hao*; China, Soft, 2003.

Course Name: Chinese II

Course Number: 62.0120000

Description: Chinese II emphasizes oral fluency and expects distinct growth in vocabulary and sentence patterns for functional use. Major topics include: Chinese pronunciation and introduction to Chinese characters; family & friends, city/transportation; school information & daily routines; invitation & visiting; weather & seasons; making purchases; eating at restaurants and home, ordering a meal; holidays & festivals; Chinese culture. Major Materials: *Ni Hao*; China, Soft, 2003.

Course Name: Chinese II Honors

Course Number: 62.0120040

Description: Chinese II Honors emphasizes oral fluency and expects distinct growth in vocabulary and sentence patterns for functional use at an accelerated pace. Major topics include: Chinese pronunciation and introduction to Chinese characters; family & friends, city/ transportation; school information & daily routines; health checkups and hospital; weather & seasons; making purchases; ordering a meal; holidays & festivals; Chinese culture. Major Materials: *Ni Hao*; China, Soft, 2003.

Course Name: Chinese III

Course Number: 62.0130000

Description: Chinese III emphasizes advanced structures of the language through a thorough practice in reading, writing, speaking and listening. Major topics include: Chinese characters & pronunciation; time & weather; family & friends/relationships; food & restaurants; money & shopping; school & education; daily & leisure-time activities; service & repairs; clothing & personal appearance; transportation; vacation & travel; Chinese culture. Major Materials: *Ni Hao*; China, Soft, 2003.

Course Name: Chinese III Honors

Course Number: 62.0130040

Description: Chinese III Honors emphasizes advanced structures of the language through a thorough practice in reading, writing, speaking and listening, at an accelerated pace. Major topics include: Chinese characters & pronunciation; time & weather; family & friends/relationships; food & restaurants; money & shopping; school & education; daily & leisure-time activities; service & repairs; clothing & personal appearance; transportation; vacation & travel; Chinese culture. Major Materials: *Ni Hao*; China, Soft, 2003.

Course Name: Chinese IV

Course Number: 62.0140000

Description: Chinese IV is conducted mainly in Chinese and emphasizes a high level of facility of advanced structures of the language through intensive reading, writing, speaking and listening. Skills will be demonstrated and assessed via a variety of activities including, but not limited to, essays, skits, projects, web activities and video/audio recordings. This course is geared to prepare students for the higher level of a Chinese language course. Major topics include: Chinese culture and perspectives; daily life of Chinese teenagers; hobbies & personal events; sites of interests & entertainment; Chinese society; geography & population; the generation gap; travel; transportation & climate; holidays; current events; children's literary themes; visual arts. Major Materials: *Ni Hao*; China, Soft, 2003.

Course Name: Chinese IV Honors

Course Number: 62.0140040

Description: Chinese IV Honors is conducted entirely in Chinese and emphasizes a high level of facility of advanced structures of the language through intensive, fast-paced practice in reading, writing, speaking and listening. Skills will be demonstrated and assessed via a variety of activities including, but not limited to, essays, skits, projects, web activities and video/audio recordings. This course is geared to prepare students for the rigors of the AP Chinese Language course. Major topics include: Chinese culture and perspective; daily life of Chinese teenagers; hobbies & personal events; sites of interests & entertainment; Chinese society; geography & population; the generation gap; travel, climate & transportation; holidays; current events; children's literary themes; visual arts; literary selections. Major Materials: *Ni Hao*; China, Soft, 2003.

Course Name: Chinese V Honors

Course Number: 62.0105000

Description: This course integrates a systematic review of concepts learned in the first four levels of Chinese. Continued emphasis is placed on communication skills and cultural information. The course is designed for students to improve speaking, listening, reading and writing skills in preparation for their college placement. Major topics include: career, film & television; language & literature; Chinese customs & traditional values; travel & tourism; economic growth. Major Materials: *Magical Tour of China 3 and 4, Better Chinese*

Course Name: Advanced Placement Chinese Language and Culture

Course Number: 60.0196010

Description: The class will prepare students for the College Board examination in the Chinese Language. It is based on Mandarin Chinese. Major Topics include: awareness & appreciation of the elements of the Chinese culture; various aspects of contemporary Chinese society, including geography & population, ethnic & regional diversity, travel & transportation, climate & weather, holidays & food, sports & games, and current affairs. Major Materials: *Integrated Chinese level 2*

Course Name: French 1

Course Number: 60.0110000

Description: Beginning level French is designed to introduce students to the French language and the culture of French-speaking peoples. Students will use the four language skills listening, speaking, reading and writing to attain proficiency and the ability to communicate in French. Major topics include:

Introduction to the French alphabet and French pronunciation; familiar words and phrases; greetings; family & friends; numbers & time; days of the week & dates; weather/seasons; food/meals; city life; shopping; leisure time activities; French culture. Major Materials: *Discovering French Bleu*, McDougall Littell, 2004.

Course Name: French II

Course Number: 60.0120000

Description: French 2 emphasizes oral fluency and expects distinct growth in vocabulary and sentence patterns for functional use. Major topics include: French pronunciation; money & shopping; school & education; daily activities & house duties; jobs & professions; nature & environment; leisure activities; health; sports & transportation; French culture. Major Materials: *Discovering French Blanc*, McDougall Littell, 2004.

Course Name: French II Honors

Course Number: 60.0120040

Description: This course continues emphasis on oral proficiency and fluency, increases emphasis on reading comprehension in the language and on controlled composition, and expects distinct growth in vocabulary and sentence patterns for functional use. Major topics include: money & shopping; school & education; daily activities, house duties; jobs & professions; leisure activities; nature & environment; medical/dental care; sports & transportation; clothing & personal appearance; French culture. Major Materials: *Discovering French Blanc*, McDougall Littell, 2004

Course Name: French III

Course Number: 60.0130000

Description: French 3 emphasizes advanced structures of the language through a thorough practice in reading, writing, speaking and listening. Major topics include: time & weather; family & friends / relationships; food and restaurants; money & shopping; school & education; daily and leisure-time activities; service & repairs; clothing & personal appearance; transportation; vacation & travel; art and music; Francophone culture. Major Materials: *Discovering French Rouge*, McDougall Littell, 2004.

Course Name: French III Honors

Course Number: 60.0130040

Description: French 3 Honors emphasizes advanced structures of the language through intensive, fast-paced practice in reading, writing, speaking and listening. Major topics include: time & weather; family & friends / relationships; food and restaurants, money & shopping; school & education; daily & leisure time activities; describing oneself, service & repairs, clothing & personal appearance, transportation; vacation & travel, creation of a class newspaper or magazine utilizing the topics listed above; French culture. Major Materials: *Discovering French Rouge*, McDougall Littell, 2004

Course Name: French IV

Course Number: 60.0140000

Description: French 4 is an advanced course designed for students continuing from French 3. Student skills will be demonstrated and assessed via a variety of activities including, but not limited to, essays, skits, projects, web activities and video/audio recordings. Major topics include: travel; current affairs; music; culture segments; careers; writing enhancement; relationships; French culture; francophone world. Major Materials: *Quant à moi* Thompson Learning, 2000; Selected French Literature.

Course Name: French IV Honors**Course Number:** 60.0140040

Description: French 4 Honors is conducted entirely in French and emphasizes a high level of facility of advanced structures of the language through intensive, fast-paced practice in reading, writing, speaking and listening. Skills will be demonstrated and assessed via a variety of activities including, but not limited to, essays, skits, projects, web activities and video/audio recordings. This course is geared to prepare students for the rigors of the AP French Language course. Major topics include: Children's literary themes; visual arts; literary selections; current events; daily life; writing enhancement; French culture. Major Materials: *Bravo* – Thompson Learning, 2002; Selected Novels

Course Name: French V Honors**Course Number:** 60.0160040

Description: This course integrates a systematic review of concepts learned in the first four years of French. Continued emphasis is placed upon communicative skills and cultural information. Major topics include: careers; music; film and theater; art; various kinds of media; French culture.

Course Name: Advanced Placement French Language and Culture**Course Number:** 60.0170010

Description: The AP French Language Course prepares students for the Advanced Placement exam offered by the College Board. This course promotes both fluency and accuracy in language use. The AP French Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of products, practices, and perspectives. Through the use of a wide variety of authentic materials, students will examine the French language while polishing their comprehension and comprehensibility; vocabulary usage; language control; communication strategies; and cultural awareness. Grammar is addressed through the use of authentic materials and communication practice, rather than through formal review. The focus of the course is on improving communication skills through discussion of real-world topics. Debates, discussions on current events, and open dialogues encourage participation in conversation on varied topics. Purposeful writing assignments draw on both text and audio sources. Major themes include family and communities; science and technology; beauty and aesthetics; contemporary life; global challenges; and personal and private identities.

Major Materials: *Face à Face* and *A.P. French Preparing for the Language and Culture Examination*, Pearson, 2012

Course Name: German I**Course Number:** 61.0110000

Description: Beginning level German is designed to introduce students to the German language and the culture of German-speaking peoples. Students will use the four language skills listening, speaking, reading and writing to attain proficiency and the ability to communicate in German. Major topics include: German pronunciation; greetings, alphabet & numbers; family & house; days of the week & time; youth activities & school life; weather & shopping; ordering food; special occasions; hobbies & sports; German culture. Major Materials: *Komm mit! 1* HRW, 2003.

Course Name: German II**Course Number:** 61.0120000

Description: German II emphasizes oral fluency and expects distinct growth in vocabulary and sentence patterns for functional use. Major topics include: Greetings & festivals; transportation & driving; vacations & restaurant, living; accommodations, metric system; postal services & telecommunications; German culture. Major Materials: *Komm mit! 2* HRW, 2003.

Course Name: German II Honors

Course Number: 61.0120040

Description: German II Honors emphasizes oral fluency and expects distinct growth in vocabulary and sentence patterns for functional use, at an accelerated pace. Major topics include: Greetings & festivals; transportation & driving; vacations & restaurant, living; accommodations, metric system; postal services & telecommunications; German culture. Major Materials: *Komm mit!* 2 HRW, 2003.

Course Name: German III

Course Number: 61.0130000

Description: German III emphasizes advanced structures of the language through a thorough practice in reading, writing, speaking and listening. Major topics include: offering and accepting gifts; inquiring about prices & travel arrangements; obtaining information, identifying people; sequencing events and expressing wishes; describing daily routines; inquiring about details; asking & giving directions; expressing preferences/politeness; describing talents & abilities and current situations; German culture. Major Materials: *Komm mit!* 3 HRW, 2003.

Course Name: German III Honors

Course Number: 61.0130040

Description: German III Honors emphasizes advanced structures of the language through a thorough practice in reading, writing, speaking and listening, at an accelerated pace. Major topics include: offering & accepting gifts; inquiring about prices & travel arrangements; obtaining information, identifying people; sequencing events & expressing wishes; describing daily routines; inquiring about details; asking & giving directions; expressing preferences/politeness; describing talents & abilities and current situations; developing & supporting an argument; proposing solutions to problems; comparing cultural trends over time; creation of a class newspaper or magazine; German culture. Major Materials: *Komm mit!* 3 HRW, 2003.

Course Name: German IV

Course Number: 61.0150000

Description: German IV emphasizes a strong level of facility of some advanced structures of the language through reading, writing, speaking and listening. Skills will be demonstrated and assessed via a variety of activities including, but not limited to, essays, skits, projects, web activities and video/audio recordings. Major topics include: Germany & the EU market family, life & celebrations. Major Materials: *Dreimal Deutsch* EMC, 2000.

Course Name: German IV Honors

Course Number: 61.0150040

Description: **German IV Honors is conducted entirely in German** and emphasizes a high level of facility of advanced structures of the language through intensive, fast-paced practice in reading, writing, speaking and listening. Skills will be demonstrated and assessed via a variety of activities including, but not limited to, essays, skits, projects, web activities and video/audio recordings. This course is geared to prepare students for the rigors of the AP German Language course. Major topics include: Children's literary themes, visual arts, literary selections, current events, daily life, writing enhancement, and German culture. Major Materials: *Deutsche Sagen Und Legenden* McGraw-Hill, 1998.

Course Name: German V Honors

Course Number: 61.0150040

Description: This course integrates a systematic review of concepts learned in the first four levels of German. Continued emphasis is placed upon communicative skills and cultural information. Major topics

include German culture, film and theater, art, media, music, literature, current events and historical events. Major Materials: *Kaleidoskop* Houghton Mifflin, 2001.

Course Name: Advanced Placement German Language and Culture

Course Number: 61.0170010

Description: The AP German course is an intensive course which prepares students for the College Board's AP exam, and is usually considered the equivalent of one year of college study. Students work on all aspects of the language to improve their comprehension skills as well as oral and written production. Specific topics of study are at the discretion of the teacher. The class is conducted in German and the students are expected to communicate in the target language

Course Name: Latin I

Course Number: 61.0410000

Description: Latin I focuses on reading comprehension through written and oral exercises. Students memorize and read simplified Latin. The course sharpens the understanding of English vocabulary by the study of Latin world elements. Students begin the study of culture, mythology and Roman history. Major topics: Latin pronunciation, geography of the ancient world; Latin stories: episodes of a Roman family; Roman culture & history, derivatives. Major Materials: *Cambridge Latin 1* Cambridge University Press, 2001 *Cambridge Latin 2* Cambridge University Press, 2002.

Course Name: Latin II

Course Number: 61.0420000

Description: This course continues the study of history, culture and mythology and vocabulary development. It emphasizes how the ancient Roman language and civilization have influenced Western Language and civilization. Students continue the ability to read and comprehend more complex structure and sentences. Translation and reading skills are stressed. Major Topics: Latin pronunciation, geography of the ancient world; Latin stories: continuing episodes of a Roman Family, Roman culture & history, derivatives. Major Materials: *Cambridge Latin 3* Cambridge University Press, 2003.

Course Name: Latin II Honors

Course Number: 61.0420040

Description: This accelerated course continues the study of history, culture and mythology and vocabulary development. It emphasizes how the ancient Roman language and civilization has influenced Western Language and civilization. Students continue the ability to read and comprehend more complex structure and sentences. Translation and reading skills are stressed. Major Topics: Latin pronunciation, derivatives, geography of the ancient world Latin stories: Roman culture & history; *Honor students are expected to translate additional original Latin works and recite selected notable Latin sayings. *Cambridge Latin 3* Cambridge University Press, 2003.

Course Name: Latin III

Course Number: 61.0430000

Description: This course continues to develop reading, comprehension, and translation skills through the in-depth study of Imperial Rome. Themes in history, literature, art, politics, and daily life are supplemented with exposure to primary, unedited Latin texts. Grammar topics focus on usages of the verb system, including indirect statements, subjunctive clauses, and participial phrases. Major Materials: *Cambridge Latin 4* Cambridge University Press 2003

Course Name: Latin III Honors

Course Number: 61.0430040

Description: This accelerated course continues to develop reading, comprehension, and translation skills through the in-depth study of Imperial Rome. Themes in history, literature, art, politics, and daily life are supplemented with primary, unedited Latin texts, in preparation for the AP curriculum. Grammar topics

focus on usages of the verb system, including indirect statements, subjunctive clauses, and participial phrases. Major Materials: *Cambridge Latin 4 Cambridge University Press 2003*

Course Name: Latin IV Latin Literature Survey Honors

Course Number: 61.0440040

Description: This course provides the opportunity to read, comprehend, and translate Latin in its unedited form. Through the survey study of select Latin authors, from Latin's earliest works to the second century AD, students will be able to explore, first-hand, the thoughts and opinions that came to define the Romans themselves throughout their history. Cultural topics will also include history, mythology, theatre, art, politics, geography, and daily life. Major Materials: *Fabulae Romanae/ Intermediate Prentice Hall, 1993 Cicero & Sallust Longman Inc., 1990. Selections from Latin Poetry by Carr & Wedeck*

Course Name: Advanced Placement Latin

Course Number: 61.0470000

Description: The basic objective of this course is progress in reading, understanding, and interpreting original Latin works. Students are expected to translate accurately the literature they are reading from Latin into English and to demonstrate a grasp of the grammatical structure and vocabulary used by the author. Also included in the course work is a study of the political, social and cultural background of the work being read. The examination devotes 40-55 minutes to multiple-choice questions on Latin sight-reading and 65- 80 minutes to brief essays on required reading per course.

Course Name: Spanish I

Course Number: 60.0710000

Description: This beginning level Spanish course is designed to introduce students to the Spanish language and culture of Spanish-speaking peoples. Students will use the four language skills listening, speaking, reading and writing to attain proficiency and ability to communicate in Spanish. Major Topics: Spanish pronunciation, greetings & common expressions, family & school, time, shopping/purchases, food/meals & celebrations, house/locations, beach activities, leisure time activities, transportation, Spanish culture. Major Materials: *En español 1 McDougal Littell, 2004.*

Course Name: Spanish II

Course Number: 60.0720000

Description: The objective of this course is to continue development in the four basic skills of communication in Spanish: listening comprehension, reading, speaking, and writing in order to promote an appreciation and understanding of the Spanish-speaking people, their culture and civilization. Major Topics include: Spanish pronunciation, greetings & introductions, conversational starters, shopping, food/meals, celebrations, house/neighborhood, beach activities, weather; school, leisure time activities, travel, Spanish culture. Major Materials: *En español 2 McDougal Littell, 2004.*

Course Name: Spanish II Honors

Course Number: 60.0720040

Description: This class moves at an accelerated pace and integrates a systematic review of first year concepts along with the new second year material. Continued emphasis upon communication skills is stressed. As this class is taught almost exclusively in Spanish, honors students are expected to use Spanish as the primary means of communication. This course continues the development of listening comprehension, reading, speaking and writing skills in order to promote an appreciation and understanding of the Spanish-speaking people, their culture and civilization. Materials: *En español 2 McDougal Littell, 2004 La Catrina La Novela, Addison Wesley, 1998.*

Course Name: Spanish III

Course Number: 60.0730000

Description: This course integrates a systematic review of first and second year concepts with third year materials. Continued emphasis on communicative skills is stressed. Integration of cultural information pertaining to the designated topics of this course occurs in skill areas where appropriate. Major topics: Spanish pronunciation, vacations & hobbies, health & diet, urban life & culture/music, geography & politics/citizenship, clothing & celebrations, occupations, job search/interviews, trade & industry of Latin America, Spanish culture. Major Materials: *En español 3* McDougal Littell, 2004.

Course Name: Spanish III Honors

Course Number: 60.0730040

Description: This course integrates material and skills from Spanish I and II with the new third year concepts and vocabulary, at an accelerated pace. Integration of cultural information pertaining to the designated topics occurs where appropriate. Major topics: Weekend activities & vacations, healthful eating & applying for a job, personal interests and hobbies; geography & culture; clothing & celebrations; music of the youth; Spanish influence in North America; Spanish art and handcrafts; trade and industry of Latin America; students participate in and create additional communicative activities based on the unit topics which require additional target language research; Major Materials: *En español 3* McDougal Littell, 2004, *La Catrina El Ultimo Secreto*, Addison Wesley, 1998.

Course Name: Spanish IV

Course Number: 60.0740000

Description: This course is primarily a culture and conversation class, with the class being conducted almost entirely in Spanish. Continued emphasis is on communicative skills. Students are encouraged to be able to understand and use the target language, both orally and written. Literary works related to social issues & communities, as well as cultural roles is presented. The students are exposed to various and diverse Hispanic & Spanish Literature, media, music, culture, idiomatic expressions, current affairs, among others topics. Some activities include Internet Web Quests, picture sequence, portfolios, performance based assessments and alternate assessments, etc. Major Materials: *1991 Interacciones*, Thompson Learning.

Course Name: Spanish IV Honors

Course Number: 60.0740040

Description: This advanced level Spanish course is designed to help students master the four language skills listening, speaking, reading and writing while learning about the culture of the Spanish speaking world. Cultural information pertaining to the topics of this course is included where appropriate. Music and art from Spanish speaking countries are included and some literature will be introduced. The topical content provides a springboard for communication practice and the incorporation of supplemental materials. Major topics: Children's literary themes, visual arts, literary selections, current events, daily life, writing enhancement. Major Materials: *Abriendo Paso Grammatica*, McGraw Hill, 2002 *SAT Spanish 9th Edition*, Barrons, 1977 *Pasajes Literatura*, McGraw Hill, 2002 *Leyendas Mexicanas* McGraw Hill, 1996.

Course Name: Spanish V Honors

Course Number: 60.0750040

Description: This course integrates a systematic review of first through fourth year concepts. Continued emphasis on communication skills is stressed, and integration of cultural information pertaining to the designated topics of this course occurs in skill areas where appropriate. Emphasis is placed on sharpening speaking, listening, reading and writing skills in preparation for college placement.

Course Name: Advanced Placement Spanish Language and Culture

Course Number: 60.070010

Description: This course promotes both fluency and accuracy in language use. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of products, practices, and perspectives. Through the use of a wide variety of authentic materials, students will examine the

Spanish language while polishing their comprehension and comprehensibility; vocabulary usage; language control; communication strategies; and cultural awareness. Grammar is addressed through the use of authentic materials and communication practice, rather than through formal review. The focus of the course is on improving communication skills through discussion of real-world topics. Debates, discussions on current events, and open dialogues encourage participation in conversation on varied topics. Purposeful writing assignments draw on both text and audio sources. Major themes include family and communities; science and technology; beauty and aesthetics; contemporary life; global challenges; and personal and private identities.