Mountain Brook Junior High

Grade 9
Course Selection Guide
2017-2018

Updated: 2/6/2017

2017-2018
MOUNTAIN BROOK JUNIOR HIGH
205 OVERBROOK ROAD
MOUNTAIN BROOK, ALABAMA 35213
OFFICE: 871-3516 GUIDANCE OFFICE: 877-8346

All students in 9th grade will be enrolled in the following courses: English, social studies, math, science, and electives. Since course selection is based on pre-registration, please read the course descriptions carefully and make a firm commitment to the courses marked on the course selection form. A student may request a schedule change through **June 6th**. The schedule change form can be found online or picked up in the in the counseling office. A parent signature is required and a $25 processing fee is charged for all changes after **June 6th**. All courses, including alternates, listed on the course selection sheet will be scheduled in priority order. Students will receive a copy of their schedule at summer registration. They will receive a **FINAL** copy on the first day of school.

Course selection sheets are due back to AO teachers by February 28th.

DESCRIPTION OF COURSES

ENGLISH

ENGLISH 9 (Year)
English 9 is a high school course taken by the majority of freshmen, which focuses on the study of literature, informational texts, writing, grammar, and vocabulary. Students read a variety of genres including short stories, novels, plays, and poetry, and student continue to practice and enhance their active reading skills. Student engagement with the texts continues to enhance students' critical thinking and literary analysis. Selected novels are used to enhance the curriculum beyond the textbook provided. Students continue to explore more critical, interpretive meanings of the texts they read, and students begin to explore different ways of reading texts. The tests in 9th grade English connect to student's formal essays, which require textual support and evidence. Students write argumentative, descriptive, narrative, and expository essays that continue to focus on formal, academic standards. Students review fundamentals of English grammar with a shift toward practical application in writing. This course prepares students for work in high school English courses.

ENGLISH 9 – Advanced (Year)
English 9 Advanced is an advanced high school course for freshmen. The following requirements are considered for placement: ACT Aspire reading and English scores, Global Scholar scores, current grades, work ethic and teacher recommendation. This course is designed to build on students' skills from 7th and 8th grade English courses. Students read texts that require active reading strategies such as annotating, note-taking, and reflecting. Students who are successful in this course enjoy reading. Success in 9th Advanced English requires considerable aptitude and a strong work ethic. Students explore advanced grammar and usage techniques. Students also continue to explore more critical, interpretive meanings of the texts they read. Student compositions focus on formal, academic writing, including critical analysis, meaningful research and responsible documentation. This course prepares students for work at the advanced and AP levels in high school. *Recommendation made by school.*

MATH

ALGEBRA I (Year)
Grade 8 or 9
Algebra I is a high school level course for students who successfully completed Pre-Algebra 8 or Advanced Pre-Algebra 7. The course follows a traditional algebra curriculum, which consists of, but are not limited to: performing operations with numerical expressions while using properties of real numbers and order of operations, factoring polynomials, factoring algebraic expressions, analyzing linear functions from equations, slopes, and intercepts, solving multi-step equations and inequalities, quadratic functions, and analyzing data and probability. This course also deepens conceptual understanding though the Standards of Mathematical Practice.

GEOMETRY (Year)
Grade 9-10
Prerequisite: Algebra I or Advanced Algebra I
Geometry is the formal development of geometric skills and concepts. The course includes consistent use of algebra to reinforce the skills and concepts developed in Algebra I. Problem-solving skills and logical reasoning are emphasized throughout the course. Topics include, but are not limited to, space geometry, geometric constructions, coordinate geometry, parallel and perpendicular lines, properties of triangles, quadrilaterals, polygons, and circles, congruence and similarity, right triangle trigonometry, area, and volume, transformations, modeling, and probability. Technology is regularly used to enhance the students' understanding of topics. This course also deepens conceptual understanding though the Standards of Mathematical Practice.

GEOMETRY- ADVANCED (Year)
Grade 9
Prerequisite: Advanced Algebra I or Advanced Algebra I (Math Team)
Advanced Geometry is the formal development of geometric skills and concepts designed for students that enjoy thinking critically about mathematical concepts. The course is designed to be a more intensive study of the topics covered in Geometry. The course includes consistent use of algebra to reinforce the skills and concepts developed in Algebra I. Students work at an accelerated pace on the following concepts: space geometry, geometric constructions, coordinate geometry, parallel and perpendicular lines, properties of triangles, quadrilaterals, polygons, and circles, congruence and similarity, right triangle trigonometry, area, volume, transformations, modeling, and probability. Students are expected to apply all skills learned through different forms of critical thinking and writing. Technology is regularly used to enhance the students' understanding of topics. This course also deepens conceptual understanding though the Standards of Mathematical Practice. *Recommendation made by school.*

GEOMETRY- ADVANCED (MATH TEAM) (Year)
Grade 9
Prerequisite: Advanced Algebra I or Advanced Algebra I (Math Team)
Advanced Geometry (Math Team) is the formal development of geometric skills and concepts designed for students that are enthusiastic about math and desire to experience math outside of school. This is an advanced high school course for freshmen who have completed Algebra I and enjoy thinking critically about mathematics concepts. The course is designed to be a more intensive study of the topics covered in Geometry. The course includes consistent use of algebra to reinforce the skills and concepts developed in Algebra I. Students work at an accelerated pace on the following concepts: space geometry, geometric constructions, coordinate geometry, parallel and perpendicular lines, properties of triangles, quadrilaterals, polygons, and circles, congruence and similarity, right triangle trigonometry, area, volume, transformations, modeling, and probability. Students are expected to apply all skills learned through different forms of critical thinking and writing. Technology is regularly used to enhance the students' understanding of topics. Students are required to complete supplemental "math team" coursework that goes beyond the Algebra curriculum and <u>are required to attend outside of school competitions.</u> This course also deepens conceptual understanding though the Standards of Mathematical Practice. *Recommendation made by school.*

<u>SCIENCE</u>

BIOLOGY (Year)
Grade 9
Biology is a high school level course taken by the majority of freshmen. The curriculum includes study of the following concepts: basic biochemistry, cytology, genetics, evolution, ecology, and a survey of the six kingdoms of living things. Students develop laboratory skills and techniques through discovery-oriented experiments.

BIOLOGY-ADVANCED (Year)
Grade 9
Advanced Biology is an advanced high school course for freshmen. The following requirements are considered for placement: ACT Aspire reading scores, Global Scholar scores, current grades, work ethic and teacher recommendation. The curriculum includes study of the following concepts: basic biochemistry, cytology, genetics, evolution, ecology, and a survey of the six kingdoms of living things. Students develop laboratory skills and techniques through discovery-oriented experiments. The course content is similar to that of regular biology, but moves at an accelerated pace for a more in-depth study of the concepts. *Recommendation made by school.*

SOCIAL STUDIES

WORLD HISTORY II (Year)
Grade 9
World History II is a high school survey course is taken by the majority of freshmen and covers World History from 1500 to the present. Content standards for this grade incorporate the strands of economics, geography, history, and political science. This curriculum provides opportunities for students to analyze development and changes in the European, Asian, African, and American civilizations and ways in which the interactions of these cultures have influenced the formation of today's world.

WORLD HISTORY II-ADVANCED (Year)
Grade 9
This is an advanced high school course for freshmen. The following requirements are considered for placement: ACT Aspire reading scores, Global Scholar scores, current grades, work ethic and teacher recommendation. This high school survey course covers world history from 1500 to the present. It uses a more in-depth study of the same World History II curricular concepts to continue the development of critical reading, thinking, and writing skills. This course is geared for students who plan to take any of the Social Studies Advanced Placement courses at the high school. The ability to read critically and write is an important part of a student's success in this class. *Recommendation made by school.*

WORLD LANGUAGES

FRENCH

FRENCH I (Year-Each Course) (Year)
Grade 8-9
French I is designed to give students the basics for using French appropriately in real-life situations, to build reading and writing skills, and to develop an appreciation of the culture and civilization of the Francophone world. Students taking this course as 8th graders are expected to take higher-level French courses in the future. *The semester averages are calculated into the student's high school GPA. Upon passing French I, the student receives a Carnegie Unit in Foreign Language towards graduation.*

FRENCH II (Year-Each Course) (Year)
Prerequisite: French I or Advanced French I
Grade 9-12
French I, II and III begin the development of a foundation in four language skills (listening, speaking, reading, and writing). The goal of this sequence of courses is to enable students to use French appropriately in real-life situations, to build reading and writing skills, and to teach and develop an appreciation of the culture and civilization of the Francophone world. The three courses are based on the use of a program that progressively builds the language skills and regularly reviews material previously learned in order to help the student achieve a high level of proficiency. These courses are supplemented with audiovisual materials and enriched with videos and reading appropriate for each level.

FRENCH II– ADVANCED (Year)
Grade 9-12
Prerequisite: French I and Teacher Recommendation
This is a Pre-AP course in which students will learn at an accelerated rate and will therefore cover more material. In addition to oral proficiency, reading, writing, and the study of correct grammar and idiomatic usage will be stressed.

LATIN

LATIN I (Year)
Grade 8-12
Latin I is a course designed to teach grammar and vocabulary with an emphasis on Latin root meanings and English derivatives. Latin stories are read for an understanding of Roman history, mythology, and culture.

LATIN II (Year)
Grade 9-12
Prerequisite: Latin I
Latin II continues the study of Latin grammar and vocabulary and introduces the subjunctive mood and more in depth study of noun case usage. Roman history and culture are covered in greater detail, with an emphasis on Roman heroes. Students read Caesar's Gallic Wars in the second semester.

LATIN II – ADVANCED (Year)
Grade 9-12
Prerequisite: Latin I and Teacher Recommendation
Advanced Latin II consists of an extensive review of Latin I and is designed for students who are able to retain most of the material covered in first year. Greater emphasis is placed upon the subjunctive mood and other points of grammar. Students are expected to acquire stronger skills in reading and comprehending Latin mythology, history, and literature. Caesar's campaign in Gaul is read in the spring.

SPANISH

SPANISH I (Year)
Grade 8-12
Spanish I provides a basic foundation in the four language skills--reading, writing, listening, and speaking--with special emphasis on the audio-lingual skills. Basic grammar and vocabulary are taught in the context of cultural and practical knowledge content areas. Students also apply geography skills pertaining to Spain and the Americas. Finally, authentic audio, video and print texts are integrated into the curriculum, thereby enriching listening and speaking ability.

SPANISH II (Year)
Grade 9-12
Prerequisite: Spanish I
Spanish II continues the development of audio-lingual skills with increased emphasis on grammar study. Reading for comprehension and writing skills in the context of cultural studies are also included.

SPANISH II – ADVANCED (Year)
Grade 9-12
Prerequisite: Spanish I and Teacher Recommendation
Advanced Spanish II is designed for selected students who are expected to comprehend the grammar at a faster rate, to demonstrate a more advanced level of oral competency, and to be able to retain the material learned in the first level of the language. In addition to covering the same content and materials as the Spanish II class, the advanced class goes more in depth and includes additional grammatical structures.

YEARLY ELECTIVES

INSTRUCTIONAL SUPPORT ELECTIVES

ACADEMIC SKILLS 9 (Year)
Academic Skills 9 course is designed for students who need assistance in organization, time management skills and addresses the academic needs of the student. For maximum success, parents, students, and academic support teachers work together as a team. Recommendation is determined by a student's grades and teacher recommendations as to a student's overall needs. Students are re-evaluated at the end of each grading period to determine eligibility. *Per teacher recommendation and a Building Based Student Support Team decision, students achieving A's and B's will be automatically removed and placed into another elective for second semester. Recommendation made by school.*

MATH LAB 9 (Year)
Math Lab 9 is a math specific support class designed to close the gap on these specific through research-based strategies and programs. *Recommendation made by school.*

MATH SKILLS 9 (Year)
Math skills 9 is a support class designed to meet the needs of Algebra I students. The focus is on re-teaching daily math concepts. *Recommendation made by school.*

READING LAB 9 (Year)
Reading Lab 9 is a reading support class designed to develop reading skills, with an emphasis on reading comprehension across all content. The focus of the course is on re-teaching reading concepts through additional research-based strategies. Our goal is for our students to close the gap on these specific deficits and move out of the intervention. *Recommendation made by school*

RESOURCE LAB 9(YEAR)
Resource Lab 9 provides remediation of academic material in the student's course content areas. In addition to one-on-one remediation, students are assisted with specific learning strategies, time management, and advocacy skills. Students in this course must have an Individual Education Plan.

FINE ARTS PERFORMING ELECTIVES

BAND, BEGINNING (YEAR)
Grade 9
Beginning Band is designed for the beginning instrumental music student in grades 6-9. Students will learn to produce characteristic sounds on band instruments while learning to read music and perform in an instrumental music classroom setting. Students become well versed in the ability to count and sight-read rhythms. Participation in all performances is required.

BAND, CONCERT (YEAR)
Grade 9
Prerequisite: Beginning Band or director's approval
Concert Band is an intermediate level band course designed for students with one or more years' experience in band. Concert Band performs regularly at concerts, competitive music festivals, and selected pep rallies and athletic events. Participation in all performances is required

CHOIR JH (YEAR)
Choir is designed for students who are eager to explore choral music instruction. Emphasis is placed on the fundamentals of singing and the fundamentals of music theory. They are exposed to various musical styles and cultures. The MBJH Choir is a performing group. Participation in all performances is required.

CHOIR JH, HONORS (YEAR)
Prerequisite: JH Choir, Glee Club or Audition
Honors Choir an advanced, performing choir for MBJH students. Sight-singing abilities and music theory are strengthened, enabling students to proficiently perform two- and three-part literature in treble and bass clef. Students continue to sing a varied repertoire of music, including selections in two languages. Participation in all performances is required.

DRAMA (YEAR)
This course is a year course designed for 8th and 9th grade students who want to perform on stage. Drama I offers a variety of theatre experiences including monologues, improvisation, pantomime, history of theatre, duo scenes, a student-led one act skit, and a multi-act play. This class also includes the technical side of theater, such as lighting and sound, costuming and makeup, set design, and directing.

OTHER ELECTIVES

PLTW AUTOMATION and ROBOTICS II TEAM (Year)
Prerequisite: Design and Modeling
Students are tasked with designing, building and programming a robot to play against other teams from around the world in a game-based engineering challenge. STEM concepts are put to the test on the playing field as students focus on lifelong skills in teamwork, leadership and communication. Students will be required to maintain an engineering notebook, perform research and present on a STEM them and complete online and virtual world challenges.

SPEECH and DEBATE TEAM (YEAR)
Prerequisite: Introduction to Speech and Debate
This is a rigorous course that allows students who have completed the introductory speech and debate course to further develop critical thinking skills through competition. Students will work as a team to advocate a plan or policy action to solve a current international crisis. Members of this course will join the National Forensics League, an honor society that provides the topics that will be debated. Students will apply logical reasoning and critical thinking as they grow their knowledge of current events, politics, and philosophy, through the practice of sound research and refutation. Tournament participation is required, and it does involve costs.

AP HUMAN GEOGRAPHY (Year)
Grade 9
AP Human Geography is a year-long elective course. Students will have the opportunity to earn AP credit upon successful completion of the course material. Human Geography explores the relationships between place and culture. Topics include Perspectives in Geography, Population, Migration, Cultural Patterns and Processes, Political Organization of Space, Agriculture, Food Production, Rural Land Use, Industrialization, Economic Development, Cities and Urban Land Use. Students should have a strong interest in world topics and current events. In the spring students are expected to attend study sessions in preparation for the Advanced Placement exam administered in May.

SEMESTER ELECTIVES

CAREER TECH ELECTIVES

CAREER PREPAREDNESS – A (SEMESTER)
A one-half credit course that is taught in grades 8-12. The course prepares students with knowledge and skills in the areas of career development, academic planning and computer skill application. This course is a prerequisite to Career Preparedness-B. The required 20-hour online experience can be met by successfully completing both Career Preparedness A and Career Preparedness B. *Upon passing, the student receives the required ½ Elective Credit towards graduation.*

CAREER PREPAREDNESS – B (SEMESTER)
Prerequisite: Career Preparedness - A
A one-half credit course that is taught in grades 9-12. The course prepares students with knowledge and skills in the areas of career development, academic planning and financial literacy. The prerequisite for this course is Career Preparedness-A. The required 20-hour online experience can be met by successfully completing both Career Preparedness A and Career Preparedness B. *Upon passing, the student receives the required ½ Elective Credit towards graduation*

ENGINEERING ROBOTICS (SEMESTER)
Prerequisite: (DM) Design and Modeling
Foundations of Engineering-Robotics is a high school level course that is appropriate for students who are interested in exploring robotics. The major focus of the Foundations of Engineering-Robotics course is to expose students to the design process, research and analysis, teamwork, communication methods and technical documentation. Foundations of Engineering-Robotics gives students the opportunity to develop skills and understanding of course concepts through a project based learning model and competition robotics. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges that increase in difficulty throughout the course. Students will also learn how to document their work, and communicate their solutions to their peers and members of the professional community through their engineer's notebook and competition robotics.

FOUNDATIONS OF ENGINEERING (DESIGN) (SEMESTER)
Foundations of Engineering-Design is a high school level course that is appropriate for students who are interested in design and engineering. The major focus of the Foundations of Engineering-Design course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. Foundations of Engineering-Design gives students the opportunity to develop skills and understanding of course concepts through a project based learning model. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges that increase in difficulty throughout the course. Students will also learn how to document their work, and communicate their solutions to their peers and members of the professional community through their engineer's notebook and portfolio

INTRODUCTION TO COMPUTER SCIENCE 1 App Development (SEMESTER)
Students will discover the principles of this fast-growing field by focusing on creativity and an iterative design process as they create their own basic apps using MIT App Inventor.

INTRODUCTION TO COMPUTER SCIENCE II for Innovators and Makers (SEMESTER)
Students continue to explore the fundamentals of the stimulating career path of computer science. They venture into text programming through Python and, in the final problem develop an app to crowd source and analyze data on a topic of their interest.

INTRODUCTION TO MEDICAL PROFESSIONS (SEMESTER) (Formerly Medical Detectives)
Requirement: Application
Students will discover how healthcare professionals act as medical detectives in identifying, treating, and preventing injury and illness in their patients. Patient Medical Histories are examined and students investigate how these histories guide medical detectives to the correct diagnosis and treatment of a particular illness. Students also investigate and collect vital signs such as heart rate, blood pressure, and temperature. Finally, students research pathogens involved in food borne illness and act as medical detectives in diagnosing and proposing a treatment plan for a patient with a mystery illness.

FINE ARTS PERFORMANCE ELECTIVES

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PHYSICAL EDUCATION ELECTIVES

PE: ATHLETICS JH (Semester)
Grade 9
This course is designed for students who participate in a school sponsored varsity or junior varsity sport that meets at Mountain Brook High School from 2:29-3:19 PM. **Approval of the coach is required.*

PE WEIGHT TRAINING JH (Semester)
Grade 9
This course is designed for football players who want to continue weight training during the off season. This course meets at Mountain Brook High School at 7:30 AM.

FINE ARTS VISUAL ELECTIVES

ART I (SEMESTER)
Art I is offered to 9th grade students who are interested in the visual arts. In this course, students will refine and advance their skills as well as gain a deeper understanding of the building block of visual art by learning to manipulate the elements of art and the principles of design through the use of a variety of processes, techniques, and media.

ART I-A (SPRING SEMESTER)
Grade 9
Prerequisite: Art I
Art I – A is designed for serious art students who are interested in advancing their artistic skills as well as building a portfolio of work. This course continues with more advanced techniques of a variety of art media and art forms. Emphasis is place on understanding how communicate concepts and intentions through manipulation of subject matter, organizational components, media, and processes as well as exploring art criticism and analysis of their own works of art and the art of others.

OTHER ELECTIVES

BROADCAST (SEMESTER)
Requirement: Application, Audition Film, and Teacher Recommendation
Broadcast is for students to design and produce the morning news program and the weekly show. Students may apply by downloading an application from the school website and turning it in to Ms. Flowers.

CREATIVE WRITING JH (SEMESTER)
Creative Writing course is designed for 7th-9th graders who enjoy writing and desire the opportunity to write poetry, short stories, advertisements, personal narratives, and reviews. Students will become authors by publishing a book of autobiographical essays on their life. Students will have the opportunity to work on their own writing projects or to join a web based writing project. Emphasis in the course is on the process and product.

FILM PRODUCTION (SEMESTER)
Film Production is designed for students to develop a foundation in basic principles of communication, mass media, research, writing, and speaking. Students are responsible for producing short films and documentaries.

HEALTH-OLE (SEMESTER)
Grade 9-12
Health utilizes Canvas and other forms of technology to fulfill the state department requirements for an on-line experience. It is a combination of direct teacher instruction and on-line learning. This course teaches CPR, first aid, nutrition, exercise, and abstinence from drugs, alcohol, and smoking. *Upon passing, the student receives the required ½ Health Credit towards graduation.*

JOURNALISM/YEARBOOK JH (SEMESTER)
This course is designed for highly-motivated and independent students to complete and publish the MBJH yearbook. This includes planning the yearbook, designing pages, copy writing, taking pictures, and editing. The students will work with "Monarch", an online site that uses Indesign® and Photoshop®. The course may be repeated the following year. Scheduling priority is given to 9th graders.

READING (SEMESTER)
Reading is designed for reading experiences that incorporate both fiction and non-fiction reading in addition to honing skills for guided inquiry. Students have opportunities to self-select novels to read and share with their classmates through book talks and other forms of presentations.

GRADE REPORTS

MBHS GRADING SCALE
A = 90-100
B = 80-89
C = 70-79
D = 65-69
F =Below 65

The MBS school year is divided into quarters.

Progress Reports and a current transcript can be veiwed at any time through the INow Parent Home Portal.

GRADE AVERAGER FOR SEMESTER COURSES

1st Nine Weeks – 40%	3rd Nine Weeks – 40%
2nd Nine Weeks – 40%	4th Nine Weeks – 40%
Semester Exam – 20%	Semester Exam – 20%
Semester Course Average	*Semester Course Average*

GRADE POINT AVERAGE (GPA)

MBS calculates two GPAs. The unweighted GPA includes all courses a student has completed. The weighted GPA includes only academic courses and gives additional points for advanced or AP classes. Academic courses are listed on the following page. GPA's are available at the end of each semester and final GPA is computed at the end of 8 semesters. Both the weighted and unweighted GPAs are included on a student's transcript.

The courses listed on the next page will be used to compute weighted grade point average (GPA). On the weighted 100 point numerical system, ten points are added to final grades earned in AP classes; five points are added to final grades earned in advanced classes. (Example: English AP=90. This grade of 90 will appear on the transcript as the raw and unweighted grade. The computer will add ten points to the grade so that it will be computed as 100. English Advanced=90. The computer will add five points so that it will be computed as 95, but once again, the raw, unweighted grade of 90 will appear on the transcript). An extra point will be added on the 4.0 scale for AP courses, and 0.5 point will be added on the 4.0 scale for advanced courses for college application purposes.

A=5.0 (AP)	B=4.0 (AP)	C=3.0 (AP)	D=1.0 (AP)
A=4.5 (Adv)	B=3.5 (Adv)	C=2.5 (Adv)	D=1.0 (Adv)
A=4.0 (Reg)	B=3.0 (Reg)	C=2.0 (Reg)	D=1.0 (Reg)

Students who plan to attend highly selective or competitive colleges are encouraged to challenge themselves with a rigorous curriculum consisting of Advanced and AP courses according to their ability. Completion of these courses is a significant factor in the college admissions decision.

If you have any further questions regarding GPA, please see a counselor.

COURSES USED IN COMPUTATION OF WEIGHTED GPA

English
English 9,10,11,12 (Reg, Adv, AP)
Creative Writing
Forensics
Public Speaking
Women's Literature
Writing Enhancement

Social Studies
World History 1500 to the Present (Reg, Adv.)
U.S. History to 1877 (Reg, Adv.)
U.S. History 1877 to the Present
U.S. History AP
United States Government (Reg, AP)
Economics (Reg, AP)
Psychology
Critical Film Studies
Humanities
Contemporary Issues
Twentieth Century World Affairs
European History AP
AP Human Geography
World Geography
AP Comparative Governments

Math
Algebra I
*Algebra I-A/*Algebra I-B
Algebra II (seniors only)
Algebra II with Trigonometry(Reg, Adv)
*Algebraic Connections
Geometry (Reg, Adv)
PreCalculus (Reg, Adv)
Discrete Math
Statistics (AP)
Calculus (Reg, AP-AB, AP-BC)

Science
Anatomy & Physiology (Reg, Adv)
Biology (Reg, Adv, AP)
Chemistry (Reg, Adv, AP)
Earth and Space
Physics (Reg, AP-C, AP Physics I, AP Physics II)
Environmental Science (Reg, AP)
Physical Science
Forensic Science
Zoology

Foreign Languages
All foreign languages (Reg, Adv, AP)

Fine Arts
Art AP

Professional Studies
Management Principles
Accounting Principles
Advanced Accounting
Business Law
Business Finance
Computer Science Principles
AP Computer Science A

Other Elective
Ancient Philosophy
Classical Mythology

Based on **NCAA regulations** the following courses would **NOT** be considered academic:

English
Debate/Forensics
Reading
Journalism

Social Studies
Critical Film Studies

Fine Arts
This includes all Art, Band, Choral, Photography, and Theatre classes.

Other
Test Preparation
TV Production
Classical Mythology

Professional
Accounting Principles
Advanced Accounting
Business Law
Mangament Principles
Business Technology I & II
Personal & Business Finance
Career Focus
Career Co-op

A student who is interested in participating in college athletics should see the college advisor regarding details of high school course requirements and NCAA application early in the high school career.
Please be advised that the NCAA only grants ½ credit each for Algebra I-A, Algebra I-B, and Algebraic Connections.

Updated: 2/6/2017

MOUNTAIN BROOK CITY SCHOOLS
ATHLETIC AND EXTRACURRICULAR ELIGIBILITY POLICY

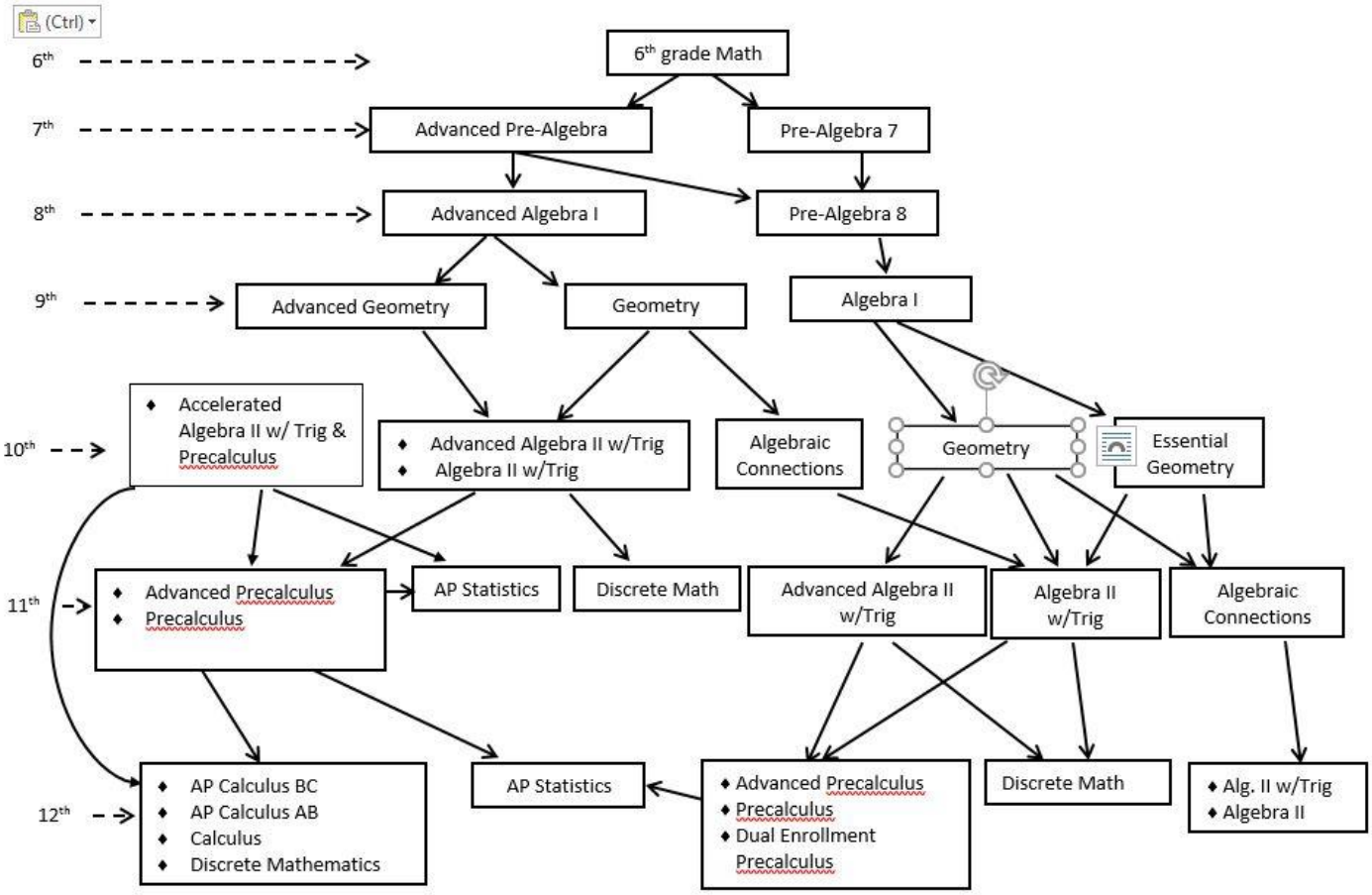
The Mountain Brook Board of Education recognizes the value of athletics and other extracurricular activities as they relate to the total education of students. The Mountain Brook Board of Education also recognizes and supports high academic standards and the necessity of developing a framework to annually assess each athletic and extracurricular student's progress toward graduating from high school on schedule with his/her class.

The Mountain Brook Board of Education prescribes the following regulations for eligibility by students to participate in athletics and/or extracurricular activities:

1. Each student entering grades 10, 11, and 12 must have passed during the last two semesters in attendance and summer school, if applicable, at least six (6) Carnegie units of credit, including one credit each in English, science, social studies, and mathematics (core courses). A composite numerical average of 70 must be attained in those six subjects.
   Each student entering grades 8 and 9 must have passed during the last two semesters in attendance and summer school, if applicable, at least five (5) new subjects with a composite numerical average of 70 in those five subjects.
2. Physical education may count as only one (1) unit per year.
3. No more than two (2) Carnegie units may be made up during summer school. Summer school work may substitute for regular school work failed in computing the 70 average.
   - Eligibility may be determined before the start of each new school year or at the beginning of the second semester. A student who is academically eligible at the beginning of the school year remains eligible for the remainder of that school year so far as grades are concerned. A student who regains eligibiliity at the beginning of the second semester remains eligible for the remainder of the second semester.

5. Each eligible student must meet the definition of a regular student as defined by the Alabama High School Athletic Association. To be eligible, 9th, 10th, and 11th grade students must be carrying at least six new units. 12th graders on track for graduation with more than the required number of units earned must be carrying at least four new units for the year. 7th and 8th graders must be carrying at least five new subjects.
6. This policy applies to all athletic and extracurricular activities.

Students deemed ineligible for participation under rules of this policy may continue in coursework but shall not be allowed to participate in extracurricular activities or athletic events. Events (examples only) such as club conventions, Christmas parade, amusement park trips, and competitions, trips by tour companies, performances at various meetings, etc. are extracurricular and students academically ineligible under this policy shall not be allowed to participate.

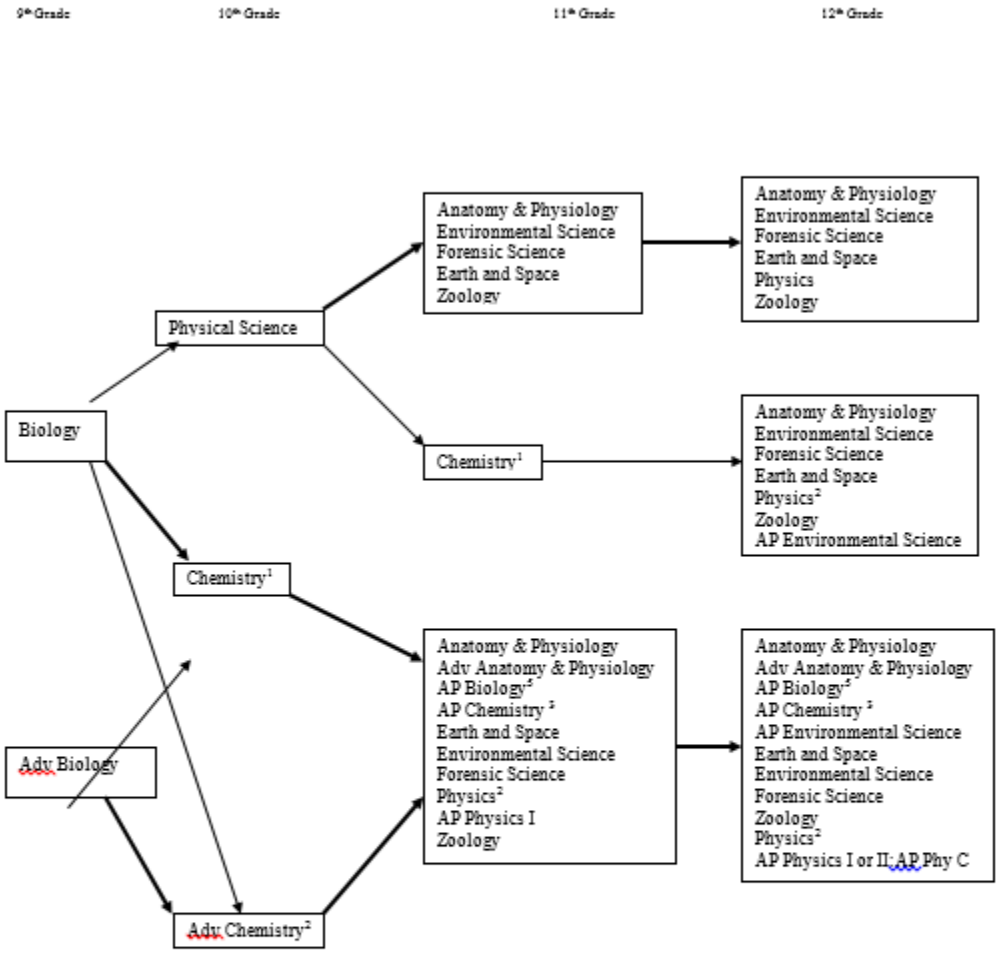


2017-2018 Math Flow Chart

Updated: 2/6/2017

Science Curriculum Flowchart
Grades 9-12 with Math Requirements

(See Course Selection Guide for specific requirements/prerequisites.)



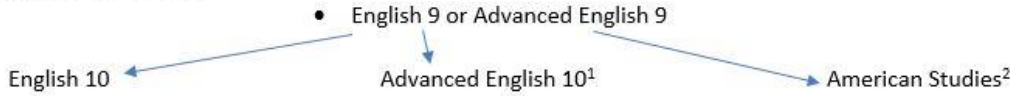
Math Requirements

[1] Completed Algebra I
[2] Completed or concurrently enrolled in Algebra II w/Trig
[3] Completed or concurrently enrolled in Pre-calculus
[4] Completed or concurrently enrolled in AP Calculus B/
[5] Strong math background required

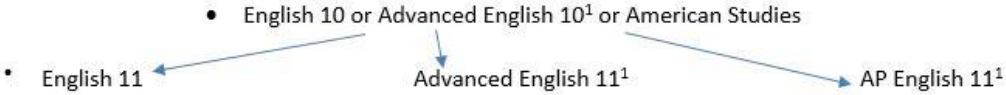
Group 1	**Group 2**
Anatomy & Physiology	Physical Science
All Chemistry	Environmental Science
Biology	Forensic Science
Physics	Earth and Space
All ADV & AP classes	Zoology

English Flow Chart

Choices for 9th grade to 10th grade



Choices for 10th grade to 11th grade



Choices for 11th grade to 12th grade[1]

[1]Admittance to all Advanced and AP courses is based upon the decision of the Portfolio Committee and teacher recommendation.

[2]This course, which requires teacher recommendation for admittance, is taught as a double period and meets the 10th grade requirements for both English and US History.

[3]This is a college-level course. Prerequisites are and ACT score of 20 and a GPA of 3.0. Please see the Course selection Guide for more details.

	Advanced with Honors	Advanced	Standard
Math	**4** Alg I, Geo, Alg II with Trig, Precalculus or Discrete Math or beyond	**4** Alg I, Geo, Alg. II with Trig Plus one additional	**4** Alg I, Geo, Algebraic Connections, Alg II
Science	**4** All Group 1- Bio and Chem or Physics Plus two additional	**4** 3-Group 1 1-Group 1 or 2 Bio and Chem or Physics Plus two additional	**4** Bio and a Physical Science Plus two additional
English	**4**	**4**	**4**
Social Studies	**4**	**4**	**4**
Foreign Lang (FL)	**3**-Same Language	**2**- Same Language	**0***
CTE/FL/Fine Arts (3 total credits required)	**0**	**1**	**3**
Fine Art	**1**	**1**	**-**
Career Prep A & B	**1**	**1**	**1**
PE Life	**1**	**1**	**1**
Health	**0.5**	**0.5**	**0.5**
Electives	**2.5**	**2.5**	**2.5**
Total Credits	**25**	**25**	**24**

MB Diploma Options

***Many colleges require at least one year of Foreign Language**

Updated: 2/6/2017

Mountain Brook Junior High
Summer School 2017

Please return all registration forms, along with payment, to guidance office by **May 24, 2017**. The cost of each course is $200.00

Dates of Summer School Term:

Session 1 - June 5-23, 2017

Session 2 – June 26-July 14, 2017

Daily Schedule:

7:30 a.m. – Class Begins

9:30 a.m. – 9:45 a.m. First Break

11:00 a.m. – 11:10 a.m. – Second Break

12:30 p.m. – End of School Day

Traditional Credit Recovery and Traditional Advancement Summer School

Program Attendance and Completion

- Students should be in attendance each day class is scheduled.
- All rules and regulations listed in the student handbook apply to summer school. Students failing to adhere to behavior guidelines may be dismissed from the summer school program.
- The grading scale applies to traditional summer school.

Credit Recovery Summer School

Program Attendance and Completion

Mountain Brook Junior High will operate a summer Credit Recovery Program for those who did not pass Spanish, Alg I and/or Biology in 9th grade. Students failing to master the required standards in core academic classes have the opportunity to attend our summer school to recover that credit. A self-paced online format, along with live instruction and support, will be utilized. When students complete the program and demonstrate mastery in the assigned area, they will receive the appropriate grade-level credit. Because the program is self-paced, some students may finish before the end of a term, while others may need to attend more than one term.

- Students should be in attendance each day class is scheduled throughout their self-paced online format.
- All rules and regulations listed in the student handbook apply to summer school. Students failing to adhere to behavior guidelines may be dismissed from the summer school program.
- Per state guidelines, Credit Recovery grades for 9th grade courses cannot exceed a 70. **(All athletes need to take traditional summer school)**

Sharon Lyerly – 9th grade counselor – lyerlys@mtnbrook.k12.al.us

Casey Lancaster – 8th grade counselor – lancasterc@mtnbrook.k12.al.us

Jana Lee – 7th grade counselor – leej@mtnbrook.k12.al.us

Brook Gibbons – Academic Assistant Principal – gibbonsb@mtnbrook.k12.al.us

Traditional and Credit Recovery Options for Summer School 2017
SESSION 1

Alg I (First and/or Second Semester) -- Traditional Summer School
Alg I (First and/or Second Semester) -- Credit Recovery

- **Session Dates:** June 5 – June 23, 2017
- The Alg I class will meet from 7:30 a.m. to 12:30 p.m.

Biology (First and/or Second Semester) -- Traditional Summer School
Biology (First and/or Second Semester) -- Credit Recovery

- **Session Dates:** June 5 – June 23, 2017
- The Biology class will meet from 7:30 a.m. to 12:30 p.m.

Spanish (First and/or Second Semester) -- Traditional Summer School
Spanish (First and/or Second Semester) -- Credit Recovery

- **Session Dates:** June 5 – June 23, 2017
- The Spanish class will meet from 7:30 a.m. to 12:30 p.m.

Pre Alg 8 (must attend both sessions) -- Traditional Summer School *Advancement*

- **Session Dates:** June 5 – June 23, 2017 and June 26 – July 14, 2017
- The Pre Alg 8 class will meet from 7:30 a.m. to 12:30 p.m.

Career Prep A -- Traditional Summer School *Advancement*
A minimum registration of 15 students will be needed for the course to make. Classes will be capped at 25 students.

- **Session Dates:** June 5 – June 24, 2017
  - **Class Dates:**
    - Tuesday 6/6 – Thursday 6/8
    - Monday 6/12- Thursday 6/15
    - Tuesday 6/20 – Thursday 6/22 (Exam Day)
  - Students will need to be in attendance for those 10 days.
- The Career Prep A class will meet from 7:30 a.m. to 12:30 p.m.

Career Prep B -- Traditional Summer School *Advancement*
A minimum registration of 15 students will be needed for the course to make. Classes will be capped at 25 students.

- **Session Dates:** June 5 – June 24, 2017
  - **Class Dates:**
    - Tuesday 6/6 – Thursday 6/8
    - Monday 6/12- Thursday 6/15
    - Tuesday 6/20 – Thursday 6/22 (Exam Day)
  - Students will need to be in attendance for those 10 days.
- The Career Prep B class will meet from 7:30 a.m. to 12:30 p.m.

Health -- Traditional Summer School *Advancement*
A minimum registration of 15 students will be needed for the course to make. Classes will be capped at 25 students.

- **Session Dates**: June 6 – June 24, 2017
  - **Class Meeting Dates:** Monday 6/5, Monday 6/19, Friday 6/23 (Exam Day)
  - Student will need to be in attendance for those three days
- The Health class will meet from 7:30 a.m. to 12:30 p.m.

SESSION 2

Alg I (First and/or Second Semester) -- Traditional Summer School
Alg I (First and/or Second Semester) -- Credit Recovery

- **Session Dates:** June 26 – July 14, 2017
- The Alg I class will meet from 7:30 a.m. to 12:30 p.m.

Biology (First and/or Second Semester) -- Traditional Summer School
Biology (First and/or Second Semester) -- Credit Recovery

- **Session Dates:** June 26 – July 14, 2017
- The Biology class will meet from 7:30 a.m. to 12:30 p.m.

Spanish (First and/or Second Semester) -- Traditional Summer School
Spanish (First and/or Second Semester) -- Credit Recovery

- **Session Dates:** June 26 – July 14, 2017

The Spanish class will meet from 7:30 a.m. to 12:30 p.m

Pre Alg 8 (must attend both sessions) -- Traditional Summer School *Advancement*

- **Session Dates:** June 5 – June 23, 2017 and June 26 – July 14, 2017
- The Pre Alg 8 class will meet from 7:30 a.m. to 12:30 p.m

Career Prep B -- Traditional Summer School *Advancement*
A minimum registration of 15 students will be needed for the course to make. Classes will be capped at 25 students.

- **Session Dates:** June 26 – July 14, 2017
  - **Class Dates:**
    - Tuesday 6/27 – Friday 6/30
    - Wednesday 7/5- Friday 7/17
    - Tuesday 7/11 – Thursday 7/13 (Exam Day)
  - Students will need to be in attendance for those 10 days.
- The Career Prep B class will meet from 7:30 a.m. to 12:30 p.m

Health -- Traditional Summer School *Advancement*
A minimum registration of 15 students will be needed for the courses to make. Classes will be capped at 25 students.

- **Session Dates**: June 26 – July 14, 2017
  - **Class Dates:** Monday 6/26, Monday 7/10, Friday 7/14 (Exam Day)
  - Student will need to be in attendance for those three days
- The Health class will meet from 7:30 a.m. to 12:30 p.m.

Mountain Brook Junior High

2017 Summer School Registration Form

Name of Student_____

Home Address_____

Phone #_____ Current Grade (2015-2016) _____

Parent/Guardian(s) Name_____ Home Ph. #_____

Work Ph.#_____

Cell #_____

Email contact information:_____

Medical Information Allergies:_____

Medical Conditions:_____

Medications:_____

In case of emergency, do you give the school system permission to have your child treated?
Yes_____ No_____

Insurance Co._____Policy #_____

Name and phone numbers of emergency persons to call:

1. _____Ph.#_____ Relation to Student_____

2. _____Ph. #_____ Relation to Student_____

3. _____Ph.#_____ Relation to Student_____

Check out information: List the name of individuals who may pick up your child other than parents:

1. _____Relation to student_____

2. _____Relation to student_____

4. _____Relation to student_____

We understand and agree to follow the Mountain Brook Junior High Student Handbook rules, regulations, and will follow behavior and attendance policies in summer school sessions. We realize that failure to comply with such rules and regulations could result in dismissal from the summer school program with a forfeiture of tuition paid.

Student Signature | Parent Signature | Date

Summer School Course Registration Check Sheet

Name: _____ Grade: _____ Session: _____

We request the following advancement courses:

Courses	
Health	
Career Prep A	
Career Prep B	
Pre Alg 8 (must attend both sessions)	

We request the following traditional credit recovering courses

Courses	1st Semester	2nd Semester
Algebra I		
Biology		
Spanish		

We request the following credit recovery courses:

Courses	1st Semester	2nd Semester
Algebra I		
Biology		
Spanish		

Counselor / Principal Signature | Parent Signature | Date

Updated: 2/6/2017

Introduction to Medical Professions Application

The Introduction to Medical Professions (formerly Medical Detectives) course is an academic elective that provides an overview of Medical and Scientific Professions driven by student interest. Possible topics include but are not limited to Forensics, Anatomy and Physiology, Infectious Disease and Pandemics, and Genetic Disorders. Activities include (but are not limited to) dissections, simulations, labs, research, and field trips.

Name: _____
Math class currently enrolled in: _____
First semester average in math: _____
Current science teacher: _____
First semester average in science: _____

Please answer the following questions in complete sentences.

1. Why do you want to take this class?

2. Identify at least one of your strengths and at least one of your weaknesses academically.

3. What can you contribute to the class?

4. Why do you think that it is important for all members of a group to contribute equally?

Updated: 2/6/2017

Broadcasting Application

On a separate sheet of paper, **preferably typed**, list the following:

- Name
- Tell something unique about yourself!
- Your reasons for wanting to take Broadcasting
- Your strengths and why these strengths will help you in Broadcasting
- Tell me about your work ethic and give an example of a time when being a hard worker came in handy.
- List one creative idea that could be used for the weekly show.

Please be thorough. I like to read lots of good stuff about you!!

Please turn application into Ms. Flowers in the Broadcasting room by Tuesday, February 28th.

Updated: 2/6/2017

Parent Placement Form

Student Name: _____

Grade for School Year 2017-2018_____

Recommended Course: _____

Parent Place Course: _____

The parents of the above named student choose to change the placement recommendation of Mountain Brook Junior High.

We, the parents, understand that our child is not recommended for the course listed above and would like to change the recommended placement. We are also aware that once my child has been parent placed into a different class, no schedule changes will occur until the end of the First Nine Weeks. If a schedule change occurs at the end of the First Nine Weeks, all grades from the parent placed class will transfer with the student.

_____ _____

Parent Signature Date

_____ _____

Counselor's/Administrator's / Teacher's Signature Date

Updated: 2/6/2017