

Douglas County School System
Magnet Programs Update

October 3, 2016

**Douglas County School System
High School Magnet Programs
Incoming Freshmen Selection Process for 2017-2018 School Year**

	Alexander	Chapel Hill	Douglas County	Lithia Springs	New Manchester
	Liberal Arts College Prep (AP Capstone) Magnet	Advanced Placement (AP) Magnet	International Baccalaureate (IB) Magnet	Science Technology Engineering and Math (STEM) Magnet	Fine Arts (FAME) Magnet
Informational Meeting	Thursday November 10, 2016 6:30 pm Cafeteria	Thursday November 3, 2016 6:00 pm Auditorium	Tuesday November 1, 2016 6:30 pm Theater	Thursday October 27, 2016 6:00 pm Cafeteria & Theater	Wednesday November 9, 2016 6:30 pm Theater
Applications Due	Monday December 12, 2016	Monday December 12, 2016	Monday December 12, 2016	Monday December 12, 2016	Monday December 12, 2016
Interviews (If Applicable)	Conducted Between December 2016 & January 2017	Conducted Between December 2016 & January 2017	Conducted Between December 2016 & January 2017	Conducted Between December 2016 & January 2017	Conducted Between December 2016 & January 2017
STUDENT Notifications MAILED ON	Wednesday February 8, 2017	Wednesday February 8, 2017	Wednesday February 8, 2017	Wednesday February 8, 2017	Wednesday February 8, 2017
Commitment Letters Due	Friday February 17, 2017	Friday February 17, 2017	Friday February 17, 2017	Friday February 17, 2017	Friday February 17, 2017
Student Lists to Middle Schools	Friday February 24, 2017	Friday February 24, 2017	Friday February 24, 2017	Friday February 24, 2017	Friday February 24, 2017
Contact Information	Valli Robinson Media Center/Liberal Arts AP Coordinator valli.robinson@douglas.k12.ga.us 770-651-6072	Jackie Bemus Counselor/AP Coordinator jackie.bemus@douglas.k12.ga.us 770-651-6234 Gary Morris Assistant Principal gary.morris@douglas.k12.ga.us 770-651-6237	Casey Hall IB Coordinator casey.hall@douglas.k12.ga.us 770-651-6626	Payton Millinor STEM Coordinator Payton.millinor@douglas.k12.ga.us 770-651-6720	Robert Connor FAME Coordinator robert.connor@douglas.k12.ga.us 770-651-2765

*College & Career Institute Academy will follow a slightly different timeline due to grant regulations:

Informational Meetings @ CCI: Oct. 18 & Nov. 10 @ 6:00 p.m. **Lottery Registration** opens 1/13/17. **CCI Lottery:** Feb. 2, 2017. **Other dates TBD.**

Alexander High School



Principal – Nathan Hand

Liberal Arts College Preparatory and AP Capstone

A liberal arts education provides a strong background in all academic areas. The curriculum includes in-depth studies in mathematics, sciences, languages, literature, social studies, and fine arts, as well as opportunities to explore technology and career concentrations. Students grow in their abilities to read, write and speak effectively, and to examine ideas critically. The rigorous curriculum of the liberal arts program requires the student to stretch academically, complete homework in all classes, and meet high expectations in behavior.

Historical Background

AHS is in its first year as a Liberal Arts College Preparatory and AP Capstone Magnet School. AHS was a Liberal Arts College Preparatory and AP Capstone Theme School during the 2015-16 school year.

Selection Timeline/Criteria

- Applications due: December 12, 2016
- Notification of Selection to Students: February 8, 2017
- Commitment Letters Due: February 17, 2017

We are looking for the best all-around students. We will consider academics, attendance, behavior and involvement in extra-curricular activities and organizations.

Magnet Demographics

For 2016-17, there are 38 students in our magnet program that come from outside of our attendance zone. 27 of these students are females and 11 are males. Of these 38 students, 65% are white, 32% are black and 3% are Hispanic.

Magnet Course Offerings

Course Name	Course Name
AP Seminar (part of AP Capstone)	AP Research (part of AP Capstone)
20 additional AP Course Offerings	Teaching as a Profession Pathway*
Computer Networking*	Computer Programming*
Finance Advanced Accounting*	Finance Financial Services*
IT Support & Services*	Agriculture*
Transportation & Logistics*	AP Music Theory*
AP MacroEconomics*	*classes unique to Alexander

Recognitions

Named an AP STEM school from 2008-2014.
One of 125 schools in the world to offer AP Capstone pilot beginning with the 2014-15 school year.

Additional Information

The 38 students who became Alexander Cougars through our magnet program have quickly immersed themselves in the AHS family. These students are taking honors and AP courses and are filling their spare time with extra-curricular activities. Magnet students have already joined numerous clubs, marching band, cheerleading, football, cross-country, softball and volleyball.

Achievement Data

We are eagerly anticipating the results this incredible freshman class will bring to AHS.

Informational Meeting

Thursday, November 10, 2016
6:30 pm in AHS Cafeteria

Contact Information

Valli Robinson – 770-651-6072
Stephen Beatty – 770-651-6000

Chapel Hill High School

Principal – Dr. Sean Kelly

Name of Magnet



Historical Background

CHHS AP Magnet was approved during the 13-14 school year and the program was fully implemented during the 14-15 school year.

Program Goals:

- Assist students in reaching their academic potential
- Assist students in becoming life-long learners
- Provide increased Advanced Placement opportunities for DCSS students
- Increase rigor for all students
- Meet the needs of our students and our community

Selection Timeline/Criteria

Application Deadline:

All application materials must be completed and submitted to Chapel Hill High School by *Monday, December 12, 2016 at 4:30pm.*

Application / Selection Process:

The applicant must complete and submit all required sections of the application packet. Please see "Application Checklist" below. (Only completed application packets will be considered.)

The application deadline is Monday, December 12, 2016 at 4:30pm.

Other items that may be considered by the selection committee: attendance record, discipline record, and past academic progress.

All applicants will be notified February 8, 2017 of their status.

Student Commitment Letters due to CHHS by February 17, 2017

Application Checklist:

Section One and Two: **Student Application**

Section Three: **Essay #1 and Essay #2** (in student's handwriting)

Section Four: **Two teacher recommendations** (One must be your current Language Arts teacher and the other must be another current core teacher.)

Copy of the October 14, 2016 report card

Student Demographics in Magnet

Females		Males		Total	
Asian	2%	Asian	1%	Asian	3%
Black	30%	Black	20%	Black	50%
Hispanic	5%	Hispanic	2%	Hispanic	7%
Multiracial	3%	Multiracial	3%	Multiracial	5%
White	21%	White	13%	White	34%
Total Females	61%	Total Males	39%	Total Students	504

Magnet Course Offerings

Course Name	Course Name
AP US Government	AP Environmental Science
AP Human Geography	AP Studio Art
AP World History	AP Computer Science
AP Psychology	AP Micro Economics
AP US History	AP English Literature
AP English Language	AP Physics
AP Biology	AP Calculus
AP Seminar	AP Statistics
AP Spanish	

Awards/Celebrations

- 12-13 CHHS Named AP Access and Support School
- 13-14 CHHS Named AP STEM School, AP Access and Support School
- 13-14 CHHS Named AP STEM Achievement School (The only HS in DCSS to receive this recognition.) Also named AP Access and Support School
- 14-15 CHHS Named AP STEM School, AP Access and Support School
- 15-16 CHHS Named AP STEM School, AP Access and Support School
- Named by *The Washington Post* as one of "America's Most Challenging High Schools" in 2016

AP ACCESS & SUPPORT SCHOOLS: Schools with at least 30% of their AP exams taken by students who identified themselves as African- American and/or Hispanic and 30% of all AP exams earning scores of 3 or higher

AP STEM SCHOOLS: Schools with students testing in at least two (2) AP math courses and two (2) AP science courses (AP Calculus AB, AP Calculus BC, AP Statistics, AP Biology, AP Chemistry, AP Environmental Science, AP Physics B, AP Physics C, AP Computer Science)

AP STEM ACHIEVEMENT SCHOOLS: Schools with students testing in at least 2 AP math courses and 2 AP science courses and at least 40% of the exam scores on AP math and AP science exams earning scores of three (3) or higher

Advanced Placement Capstone

Chapel Hill High School is excited to begin the 2016-17 school year offering the AP Capstone Program for our AP Magnet students. The program includes AP Seminar and AP Research in addition to at least 4 other AP courses taken over the students high school career. Students will take AP Seminar in the 11th grade, followed by AP Research their senior year. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the **AP Capstone Diploma**. This signifies their outstanding academic achievement and attainment of college-level academic and research skills. Alternatively, students who earn scores of 3 or higher in AP Seminar and AP Research will receive the **AP Seminar and Research Certificate** signifying their attainment of college-level academic and research skills.

Graduate Information

AP Recognition 2015		
AP Scholar	Students who received 3 or higher on 3 or more exams	16 Students
AP Scholar with Honor	Students who receive 3.25 or higher on all AP exams taken, and scores of 3 or higher on 4 or more of these exams	1 student
AP Scholar with Distinction	Students who receive an average score of 3.5 or higher on all AP exams taken, and scores of 3 or higher on 5 or more of these exams.	3 Students
Scholarship Money Awarded to 2016 Seniors		\$3,323,452.00

AP Students from the class of 2015 were accepted in more than 50 different Colleges and Universities that include the following.		
University of Georgia	Michigan State University	Mercer
Georgia Southern University	University of Mississippi	Kennesaw State University
Georgia State University	University of Tennessee	Savannah College of Art and Design
Auburn	Florida A&M	Morehouse
Howard	Oglethorpe	Florida State University
University of Alabama	University of North Carolina	University of West Georgia
University of Kentucky	New York University	Berry College

Informational Meeting

Who: All Douglas County School System 7th and 8th grade students.

What: We will explain the benefits of our **Advanced Placement and Honors** opportunities at Chapel Hill High School. There will be opportunities for small group discussions with our Advanced Placement teachers and students.

When: Thursday, November 3, 2016 at 6:00 pm

Where: Chapel Hill High School Auditorium

Why: To inform parents and students about the opportunities for academic acceleration at Chapel Hill High School. Meet our Advanced Placement teachers and students. Finally, answer questions from the parents and students.

Contact Information

Gary Morris, Assistant Principal
770-651-6237

Jackie Bemus, Counselor
770-651-6234





International Baccalaureate Program

Historical Background

- The IB Program at Douglas County High School started in 2006. It is one of 29 Diploma Programs in the State of Georgia.

Selection Timeline/Criteria

- Middle School meeting, DCHS Theater– November 1, 2016 6:30 PM
- Application Deadline – Monday, December 12, 2016
- Return to:
Douglas County High School
- Mr. Casey Hall
- 8705 Campbellton Street
- Douglasville, Georgia 30134
- Saturday Interview Dates – Conducted between December 2016 and January 2017
- Notification of Selection of Students: Wednesday, February 8, 2017
- Commitment letters due Friday, February 17, 2017

DCHS IB Students

483 Students
300 Female
183 Male
218 African American
155 White
34 Asian
47 Hispanic
29 Other Ethnic
9th Grade – 113 Students
10th Grade – 139 Students
11th Grade – 109 Students
12th Grade – 115 Students

Magnet Course Offerings

Course Name	Course Name
IB English Literature HL	IB History of Americas HL
IB Biology SL	IB Chemistry SL
IB Math SL	IB Economics SL/HL
IB French SL/HL	IB Spanish SL/HL
IB Visual Art SL/HL	IB Theory of Knowledge
IB Philosophy SL/HL	IB Design Technology SL

Awards/Celebrations

State High Q Champions.

IB Students have won the County STAR Student for the last seven years.

IB Seniors in 2016 were offered more than three million dollars in scholarships

Recognized by US News and World Report for academic excellence.

Additional Information

Participation in the International Baccalaureate Program begins with preparatory IB courses in the freshman year. The curriculum in the ninth and tenth grades emphasizes higher levels of thinking and critical analysis. Successful completion of the course work and examinations at the junior/senior level leads to college credit or advanced placement at colleges and universities around the world.

The curriculum insures that students have a breadth of experience in science, mathematics, languages, social studies and a sixth subject. The student will study human behavior and the process of educational inquiry. The educational experience will provide the student with a well-rounded, highly academic course of study, emphasizing the development of the total individual.

Achievement Data

Top 8% of high schools in the United States.

Former IB students are currently attending Harvard, MIT, Cal Tech, Cornell, Dartmouth, University of Chicago, West Point, Duke, Vanderbilt, Carnegie Mellon, University of Georgia Honors College, Georgia Institute of Technology and many other Colleges and Universities.

IB curriculum satisfies five distinct Career and College Readiness Pathways.

Informational Meeting

Douglas County High School, Theater
Tuesday, November 1st, 2015
6:30 PM

Contact Information

Mr. Casey Hall
Casey.hall@douglas.k12.ga.us
770-651-6626

Lithia Springs High School

Principal - Dr. Garrick Askew



STEM Academy



Science Technology Engineering & Mathematics

Historical Background

The STEM Program at Lithia Springs High School was established in 2011 to provide the students of Lithia Springs the opportunity to pursue a specialized education in biomedical science, computer science, and engineering. In 2013, the program became limited admissions and required an application. In 2014 the county made LSHS a magnet school, allowing students from all over Douglas County the opportunity to apply to and enroll in the LSHS STEM Academy. In 2016, the Georgia Department of Education recognized the LSHS STEM Academy as one of ten State Certified STEM Programs in Georgia.

The LSHS STEM Academy of Douglas County thrives on a foundation of Rigor, Support, Service, and Experience, and uses a problem-based approach to cross-disciplinary learning to deliver curriculum. The STEM program integrates Project Lead the Way's (PLTW) specialized curriculum with the College Board's Advanced Placement (AP®) Courses to provide students a curriculum that is both rigorous and designed to enhance their STEM endeavors. Students remain engaged through a high level of rigor ensured by quality teachers, effective instruction, cross-curricular planning, competitive courses of study, and technology-driven, academically-based extra-curricular activities. The rigor is accompanied by service learning projects, continual student support, and quality internships.

Student Demographic Information

	C/O 2017	C/O 2018	C/O 2019	C/O 2020	Total Enrollment
Total Students	60	51	61	58	230
Computer Science	9%		Asian		3.5%
Biomedical Science	50%		Black		53%
Engineering	46%		Hispanic		12%
			Native American		0.5%
Female	48%		Multi-Racial		5%
Male	52%		White		26%

Magnet Course Offerings

Course Name	Course Name
Principles of Biomedical Science (Honors Forensics)	Intro to Computer Science (Intro to Digital Technology)
Human Body Systems (Honors Anatomy & Physiology)	Computer Science Principles
Medical Interventions (Honors Epidemiology)	AP Computer Science A
Biomedical Innovations (Honors Biotechnology)	AP Computer Science Principles
Introduction to Engineering Design (Foundations of ENG & Technology)	CS and Software Engineering*
Principles of Engineering (Engineering Concepts)	CS Applications*
Computer Integrated Engineering (Engineering Applications)	Computational Problem Solving*
Engineering Design & Development	Scientific Research
Introduction to Healthcare Science, Essentials of Healthcare, Sports Medicine, Emergency Medical Responder, Digital Design, Web Design, AP Environmental Science, AP Biology, AP Chemistry, AP Physics 1, AP Physics C, AP Statistics, AP Calculus AB, AP Calculus BC, Materials Chemistry, Post-AP Engineering Calculus, Post-AP Environmental Physics	

*Coming soon!

Informational Meeting

Thursday, October 27, 6:00pm – 8:00pm
LSHS Cafeteria & Auditorium

Selection Timeline & Criteria

Students may apply for admission into the STEM Academy during the fall of their 8th grade year. The admissions committee takes a holistic approach, considering a student's application, standardized test scores, academic record, discipline record, attendance record, and teacher recommendations. A strong mathematics foundation is required of all students, as each pathway requires students to enroll in an accelerated mathematics track.

Application Deadline: December 12th
Notification of Admissions: February 8th
Commitment Letter Deadline: February 17th

Awards & Celebrations

Georgia Certified High School STEM Program (2016)
Technology Association of Georgia Award for High School (2015)
TAG Award Finalist for High School (2013, 2014)
AP STEM Honor School (2014, 2015, 2016)
Google Gravity Games - Overall 1st Place (2014), Top Engineering Design (2015), 2nd Place in Kit Car class (2015), 2nd Place Engineered Car for Time (2015)
GA Science & Engineering Fair (2016) – 1st Honors, 3rd Honors, American Meteorological Society Award, ASU Walton Sustainability Solutions Award, Third Honors, ASM Materials Education Foundation Award, IEEE Atlanta Section Award for Electrical & Mechanical Engineering Senior Division, Naval Science Award-Senior Division, Prosthetic and Orthotics Wearable Technology Award, US Air Force Achievement Award
Average Graduate Scholarships -- \$144,244 (2016), \$200,420 (2015), \$106,428 (2014)
Average AP Courses Completed by Graduates -- 8

Technology at LSHS

Students in the STEM Academy at Lithia Springs High School have the opportunity to become proficient on an astonishing array of technology uncommonly found in schools, including a Stratasys Uprint 3D Printer, Sprit LS Laser Cutter/Engraver, CNC Lathe and a CNC Mill.

They are introduced to robotics through both VEX and Lynx Motion. Students have access to a variety of precision software and interfaces, such as Autodesk Inventor CAD, PASCO, and Vernier, utilized in research universities and designed to emulate the work of industry professionals.

Additionally, LSHS STEM participants have the opportunity through the Science & Engineering Fair and internships to experience field specific technology as they work in the community to fulfill STEM requirements and prepare for entrance into elite colleges and professions.

Contact Information

Payton Millinor
770.651.6720
Payton.Millinor@douglas.k12.ga.us

www.lshsstem.com
@lshsstem on Twitter
facebook.com/lshsstemacademy



New Manchester High School

Principal – Marco Holland

FAME



Fine Arts Magnet Education

Historical Background

The NMHS Fine Arts Magnet Program was established in 2012 and is designed for the student who excels in the Fine Arts that has post-secondary interests in the Arts.

Selection Timeline/Criteria

Recruitment – October – December 2016

Applications Due - December 12, 2016

Auditions – January 14, 2017 and February 4, 2017 (9am – 12pm)

Acceptance Letters Mailed - February, 2017

Application criteria noted on application form by discipline and is available on the NMHS website.

Makeup of Students in FAME

Students in the program are generated from both inside the NMHS attendance zone and outside of the attendance zone. Current numbers reflect 251, over 60 of which are students who have been accepted and allowed to attend New Manchester based on a permissive board transfer granted to magnet students. Students are accepted as ninth graders and continue in the program through twelfth grade.

Magnet Course Offerings

Course Name	Course Name
Visual Arts Composition 1-4	Fundamentals of Drama 1-4
Photography	Acting 1-3
Ceramics	Advanced Drama 1-4
Painting 1-2	Musical Theatre 1-4
Drawing 1-2	Technical Theatre 1-4
Mastery Chorus	Theatre Marketing
Intermediate Chorus	Ballet 1-4
Beginning Chorus	Modern Dance 1-4
Advanced Chorus	Jazz Dance 1-4
Mastery Band	Beginning Dance
Advanced Band	Dance Composition
Intermediate Band	African Dance
Beginning Band	Dance History
Music Appreciation	AP Studio Art
Piano	Art History
Music Theory & Composition	Music History and Literature

Achievement Data

Program Completion – 40

Students going on to postsecondary or military – 80%

Important Dates

December 12: FAME Applications deadline

January 16: FAME Audition #1

February 4: FAME Audition #2

February 8: Student Notifications

Awards/Celebrations

Visual Arts – GHP Nominees, GHP Representatives, Women Art Design and Expo (WADE) Participant, Scholastic Art Competition Winner, Congressional Art Exhibit Finalist, Dogwood Festival Exhibit Honoree

Band– GHP Nominees, County Honor Band Participants, District Honor Band Participants, All-State Honor Band Participants, Received consecutive superior ratings at Large Group Performance Evaluation (LGPE), Received consecutive superior ratings at several marching band competitions and festivals, Best- In- Class Awards in all caption of marching band, Division 1 Drum Corps Participants, Division 2 Drum Corps Participants, Senior Corps Participants, Atlanta Youth Symphony Orchestra Participants

Chorus – GHP Nominees, consecutive superior ratings at Large Group Performance Evaluation (LGPE), , All-State Honor Chorus Participants, Literary Girls Solo Winner, Literary Girl's Trio Winner, Award winning Jazz Chorus, Grand Champion Chorus Award

Dance – GHP Nominees, GHP participants, Alvin Ailey Summer Intensive Participant, Atlanta Ballet Scholarship recipients, National Honor Society for Dance

Drama – GHP Nominees, Literary Boy's Dramatic interpretation Winner, Literary Girl's Dramatic interpretation Winner, August Wilson Monologue Nominees,

Informational Meeting

November 9, 2016 at 6:30pm in the Fine Arts Theater on the campus of New Manchester High School.

Contact Information

Robert Connor – Program Director
New Manchester High School
4925 Hwy. 166/92 Douglasville, GA 20135
Robert.connor@douglas.k12.ga.us
770.651.2711