

ELEMENTARY SCHOOLS

Brentwood Magnet School of Engineering

3426 Ingram Drive
Raleigh 27604
919.850.8720
<http://www.brentwoodes.net>

Brooks Museums Magnet

700 Northbrook Drive
Raleigh 27609
919.881.1350
<http://brookses.wcpss.net>

Bugg Creative Arts & Science Magnet

825 Cooper Road
Raleigh 27610
919.250.4750
<http://bugges.wcpss.net>

Combs Leadership Magnet

2001 Lorimer Road
Raleigh 27606
919.233.4300
<http://combses.wcpss.net>

Conn Active Learning & Technology Magnet

1220 Brookside Drive
Raleigh 27604
919.856.7637
<http://connes.wcpss.net>

Douglas Creative Arts & Science Magnet

600 Ortega Road
Raleigh 27609
919.881.4894
<http://douglas.wcpss.net>

Farmington Woods International Baccalaureate Magnet

1413 Hampton Valley Road
Cary 27511
919.460.3469
<http://fwes.wcpss.net>

Fuller Gifted & Talented/AG Basics Magnet

806 Calloway Drive
Raleigh 27610
919.856.7625
<http://fulleres.wcpss.net>

Hunter Gifted & Talented/AG Basics Magnet

1018 E. Davie Street
Raleigh 27601
919.856.7676
<http://www.hunterelementary.org>

Joyner Center for Spanish Language/International Baccalaureate Primary Years Programme Magnet

2300 Lowden Street
Raleigh 27608
919.856.7650
<http://joyneres.wcpss.net>

Millbrook International Baccalaureate Primary Years Programme Magnet

1520 E. Millbrook Road
Raleigh 27609
919.850.8700
<http://www.millbrookelementary.com>

Poe Montessori Magnet

400 Peyton Street
Raleigh 27610
919.250.4777
<http://poees.wcpss.net>

Powell Gifted & Talented Magnet

1130 Marlborough Road
Raleigh 27610
919.856.7737
<http://www.powelles.net>

Smith International Baccalaureate Primary Years Programme Candidate Magnet

1101 Maxwell Drive
Raleigh 27603
919.662.2458
<http://smithes.wcpss.net>

Underwood Gifted & Talented Magnet

1614 Glenwood Avenue
Raleigh 27608
919.856.7663
<http://www.underwoodes.net>

Washington Gifted & Talented Magnet

1000 Fayetteville Street
Raleigh 27601
919.856.7960
<http://washingtomes.wcpss.net>

Wendell Creative Arts & Science Magnet

3355 Wendell Boulevard
Wendell 27591
919.365.2660
<http://wendelles.wcpss.net>

Wiley International Studies Magnet

301 St. Mary's Street
Raleigh 27605
919.856.7723
<http://wileyes.wcpss.net>

Zebulon Gifted & Talented Magnet

700 Proctor Street
Zebulon 27597
919.404.3680
<http://zebulones.wcpss.net>

MIDDLE SCHOOLS

Carnage Gifted & Talented AG Basics

1425 Carnage Drive
Raleigh 27610
919.856.7600
<http://carnagemms.wcpss.net>

Centennial University Connections & Leadership Magnet

1900 Main Campus Drive
Raleigh 27606
919.233.4217
<http://ccms.wcpss.net>

East Garner International Baccalaureate Magnet

6301 Jones Sausage Road
Garner 27529
919.662.2339
<http://eastgarnerms.wcpss.net>

East Millbrook International Baccalaureate/Creative Arts Magnet

3801 Spring Forest Road
Raleigh 27616
919.850.8755
<http://eastmillbrookms.wcpss.net>

Ligon Gifted & Talented/AG Basics Magnet

706 E. Lenoir Street
Raleigh 27601
919.856.7929
<http://ligon.wcpss.net>

Martin Gifted & Talented Magnet

1701 Ridge Road
Raleigh 27607
919.881.4970
<http://martinms.wcpss.net>

Moore Square Museums Magnet

301 S. Person Street
Raleigh 27601
919.664.5737
<http://mooresquarems.wcpss.net>

Zebulon Gifted & Talented Magnet

1000 Shephard School Road
Zebulon 27597
919.404.3630
<http://zebulonms.wcpss.net>

HIGH SCHOOLS

Enloe Gifted and Talented/International Baccalaureate Magnet

128 Clarendon Crescent
Raleigh 27610
919.856.7918
<http://enloehs.wcpss.net>

Garner International Baccalaureate Magnet

2101 Spring Drive
Garner 27529
919.662.2379
<http://garnerhs.wcpss.net>

Millbrook International Baccalaureate Magnet

2201 Spring Forest Road
Raleigh 27615
919.850.8787
<http://mhs.wcpss.net>

Wake NC State STEM Early College

1220 Varsity Drive
Raleigh 27606
919.575.2255
<http://stemec.wcpss.net>

Southeast Raleigh Center for Leadership & Technology Magnet

2600 Rock Quarry Road
Raleigh 27610
919.856.2800
<http://www.srhs.net>

Wake Early College of Health and Sciences

2901 Holston Lane
Raleigh 27610
919.212.5800
<http://healthscienceec.wcpss.net>

WAKE COUNTY PUBLIC SCHOOL SYSTEM MAGNET PROGRAMS



Explore the extraordinary world of magnet schools

Parent Information Sessions

First Tuesdays • October – February
10am – 11am
Magnet Programs Office

Magnet Schools Fair

November 5
9am – 12pm
Southeast Raleigh Magnet High School

Magnet Elementary Schools' Open House

November 10
10am and 12:30pm
(parents choose one time per school)

Magnet Middle Schools' Open House

*November 15
9am and 12pm
(parents choose one time per school)

*Moore Square Museums will not host an Open House on Nov. 15, but will host on December 6.

Magnet High Schools' Open House

visit www.wcpss.net/magnet
for Open House Schedule

Upcoming Events



2011-2012



Leadership & Technology

Students in the Leadership and Technology Pathway learn through common instructional strategies that are strengthened by a variety of technology tools. Student learning is supported by active, project-based methodologies that promote natural curiosity, support guided exploration and discovery, encourage meaningful projects, and foster interaction among peers and mentors. Common essentials featured in all programs are hands-on project-based learning experiences with real world incorporation of community resources. Students in these programs focus on developing skills for success in the 21st century including the use of emerging technologies, and the promotion of goal-setting and leadership skills.

Active Learning and Technology (K-5) — In Active Learning and Technology, the technology focus is about understanding how to gather information, determine if it's credible and use it to solve problems. Students work together in "Modules" to complete projects on topics that interest them. There is an emphasis on effective communication skills including the study of Spanish as a second language beginning in kindergarten.

Engineering (K-5) — The Engineering magnet program brings together science, technology, engineering and math (also called STEM) in ways that make learning fun. Students work together to ask, imagine, plan, create and improve as a way to solve real world problems and improve learning in all subjects areas. Through this approach, students begin to see how those subjects are relevant to what they are studying in the classroom and the real world.

Leadership (K-5) — The truth is that good leadership requires more than natural ability. With its emphasis on 21st Century leadership and character development, students at the leadership magnet learn to communicate effectively, collaborate, make ethical decisions and motivate others. They show initiative and participate in service learning. See their mention in Stephen Covey's book *The Leader in Me*.

Montessori (K-5) — Montessori is a teaching philosophy founded on the belief that children have natural curiosity and will learn at their own pace based on their individual interests and development. Students across a range of ages share the same classrooms and work in individualized, self-directed learning using multi-sensory, sequential, customized Montessori learning materials.

Museums (K-8) — Through extensive partnerships with local museums, performing arts centers and government organizations, students in the Museums school interact with these community resources for an enhanced learning experience that transcends the classroom walls. Here, museum field experiences are part of basic instruction. Museums magnet schools teach using the Paideia method along with the application of a variety of technology tools. The middle school operates on the modified year-round calendar.

University Connections and Leadership (6-8) — Utilizing instruction and learning that is supported by 21st century leadership and technology, students at the University Connections & Leadership school use critical thinking and are encouraged to take initiative and assume leadership roles within the school. Students interact regularly with students and professors from the ten colleges at North Carolina State University as well as its corporate and government partners through campus-based learning experiences, lectures, demonstrations, job shadowing and internships. This school operates on the modified year-round calendar.

Center for Leadership and Technology (9-12) — Everyone expects to see technology in today's schools, but you'll find much more than the latest computers or technology in the Leadership and Technology magnet high school. Students are presented with a menu of 21st Century leadership skill development opportunities including New Tech Project-based Learning Classrooms, experience with integrated technologies, baseline and advanced level leadership coursework, Project Lead the Way Engineering Academy, FIRST local and national robotics competition teams, and Civil Air Patrol. They have extensive access to emerging technologies and multiple operating systems. Students are taught the same leadership objectives found in many MBA programs including effective communication, collaboration, ethical decision making and motivation. This school operates on the modified calendar.



Gifted & Talented

The Gifted and Talented (GT) Pathway includes some of the district's oldest and most popular programs. It is rooted in the belief that every student has gifts and talents to be valued and nurtured. To that end, students in the GT pathway explore a wide variety of subjects through core subjects and an extensive menu of elective courses that develop strengths and interests. Students have the opportunity to customize their academic programs by choosing elective courses according to their academic needs and interests.

Gifted and Talented (K-12) — The GT Program offers an extensive elective menu for exploration of interests, acceleration, and rich, in-depth study in all subject areas to enhance the standard course of study. Parents and students choose elective courses from a diverse menu of elective offerings every quarter. For example, a child who is gifted in math may be challenged to his or her full potential in a math elective or a child who is artistic has opportunities to take music or dance electives. Foreign Language instruction and expanded visual and performing arts opportunities are available K-12 with extensive AP and IB course offerings in high school.

AG Basics (K-8) — Students in the AG (Academically Gifted) Basics Program are grouped with other AG identified students for Language Arts or Math according to their individual qualifications. Enloe Magnet High School provides a continuation of this program through advanced courses and electives. This program is offered at four schools in conjunction with the GT magnet theme.

International Studies (K-5) — Integrating an international education component into daily instruction, students learn to communicate across cultures. A menu of electives promotes international understanding across content areas. Students in the International Studies magnet have opportunities to study many different foreign languages beginning in kindergarten. A diverse student population allows students to learn about different cultures from their classmates, as well as through grade-level, year-long studies of a particular country and culture. Among the variety of electives offered, many help them learn to use technology to communicate with children across the world.

WWW.WCPSS.NET/MAGNET
MAGNET PROGRAMS OFFICE
CROSSROADS I
5625 DILLARD DRIVE
CARY, NC 27518
919-431-7355
MAGNETCENTER@WCPSS.NET



International Baccalaureate

The International Baccalaureate (IB) is an internationally standardized program of study that is offered in about 140 countries, and has garnered world-wide recognition for its rigor and high academic standards. IB students become increasingly knowledgeable and interested in international understandings, and actively work to affect positive change. The IB Organization offers three programs — the Primary Years Programme (grades K-5), the Middle Years Programme (grades 6-10) and the Diploma Programme (grades 11-12). Many colleges and universities give special admissions consideration to students who take IB classes and earn an IB Diploma.

IB Primary Years Programme (K-5) — The Primary Years Programme seeks to develop the whole child to become a responsible member of a community. IB-trained teachers work together to create units of inquiry that inspire students to think about big ideas to promote international understanding and a global perspective. Owing to an emphasis on learning a foreign language, students begin a study of Spanish in kindergarten and use advanced technology to explore the world around them. Students work to answer questions such as: Who are we? Where are we in place and time? How do we express ourselves? How does the world work? How do we organize ourselves? How can we share the planet?

IB Middle Years Programme (6-10) — Through the IB program, students develop an understanding and interest in world events and different cultures that will enrich their lives throughout adulthood. Along with core subjects, students participate in areas of interaction - Human Ingenuity; Approaches to Learning; Community and Service; Environments; Health and Social Education. Students benefit from a wider range of course offerings in the arts, foreign language, technology, social studies, science and even physical education. Teachers ask "Essential Questions" that guide students in finding more than one right answer. During the fifth year of the MYP (Tenth grade), students complete a personal project that demonstrates initiative, organization and creativity.

IB Diploma Years Programme (11-12) — Students in the eleventh and twelfth grades may select to participate in the International Baccalaureate Diploma Programme. Beyond intellectual rigor, strong emphasis is placed on the ideals of international understanding, responsible citizenship and service. The DP IB students become critical and compassionate thinkers, lifelong learners and informed participants on local and world affairs, respecting the variety of cultures and attitudes that make up the world. Students who choose to participate in the Diploma Programme can potentially earn an International Baccalaureate Diploma that is recognized by major universities worldwide. Many IB graduates state that participating in the IB programme made them better prepared for college — and for life!

Center for Spanish Language/IB PYP (K-5) — The Center of Spanish Language is the most extensive Spanish program offered at a Wake County elementary school. All students in kindergarten through fifth grade receive instruction in Spanish every day. Along with the study of the language, students develop an understanding of Spanish culture through art, music, and dance. A perfect accompaniment to the language program, the IB program helps students ask questions through an inquiry model of teaching and learning. With an emphasis on community service, students become responsible, globally-minded citizens.

Creative Arts and Science (K-8) — The Creative Arts and Science program is a natural complement to the IB programme with its emphasis on learning and expression through the integrated arts. The arts teachers and science teachers are specialists who work with classroom teachers to help bring the arts into math, science social studies and language arts. This type of teaching results in classrooms where students are excited about school, challenged in areas where they have a need and are able to clearly see the connections between subjects. Students learn that there are many ways to be "smart" in accordance with the renowned learning research of Howard Gardner and the Multiple Intelligences pedagogy. With the addition of a science learning lab and a specialized science teacher, all students are provided expanded hands-on science instruction beyond that taught in the regular classroom.



Application Schools

Partnership Elementary (K-5) — Partnership Elementary enrolls just over 300 students in grades kindergarten through fifth grade. The curriculum is delivered through a smaller, individualized learning environment. With an average of 20 students per class, individualized instruction is delivered using a team approach to know each child as a learner and to document progress through Personal Education Plans (PEP) for EVERY student. Students also focus on quarterly community-based service learning projects. They select projects meaningful to them and work together to benefit the community. There is an expectation of each family to volunteer a minimum average of four hours a month. This school operates on the modified year-round calendar.

Early College (9-12+) — Wake County's Early College High Schools (ECHS) help students get a head start on college while earning their high school diploma. Students take high school and college courses, with many of the college credits transferrable to a four-year program. The school's small setting of 400 or fewer students allows for the personal advising and continued support necessary to make important connections between academic experience and career interests. College courses are taught by college/university faculty at no cost to students or parents. When students graduate, they will not only have earned college credits, but they may also have a better idea of the careers they want to pursue. In addition to the online application, there is a paper application required.

Wake Early College of Health Sciences (WECHS) offers students a unique educational experience in real-life laboratory environments. Students attend classes on Wake Tech's Health Sciences Campus adjacent to WakeMed, and have the opportunity to participate in job shadowing and internships in the health and science fields.

Wake NC State University STEM (Science, Technology, Engineering and Math) Early College draws upon an exploration of society's greatest STEM challenges as a common instructional focus that will extend through various courses. The school attracts any student showing an interest in one or more content areas of science, technology, engineering, and/or math, with a strong desire to attend college. This five-year program offers the opportunity to earn both a high school diploma and up to two years of college credit.

NOTE: Early College high schools are open only to siblings and rising 9th graders who have submitted a completed application packet. Application packets are available online at the Early College High School websites. Visit www.wcpss.net/magnet/high.html for a link to the Early College websites.



MAGNET PROGRAMS PATHWAYS