

Magnet Schools Assistance Program Grant 2023: Recommended Schools & Theme Ideas

SEE ■ ■ ■
THINGS ■
DIFFERENTLY



Glenn Carrozza, Assistant Superintendent School Choice, Planning & Assignment
Dr. Kimberly Lane, Senior Director, Magnet & Curriculum Enhancement

February 1, 2023
Student Achievement Committee Meeting

Today's Agenda

- Magnet School Assistance Program Grant 2023
 - MSAP Historic Data
 - Successful MSAP Implementation
 - CORNERSTONE 2017-2022/2023
 - NEXUS 2021-2026
 - SYNERGY 2022- 2027
- Background: Selection Criteria
 - Data Review
- Staff Recommendations
 - Recommended Schools & Suggested Themes
- Timeline
- Feedback/thoughts?

Magnet Programs



- 4,340 Magnet schools in US; Serving 3.5+ million students
- Original form of public school choice; Integral role in racial and socioeconomic integration
- Diverse learning environments; Promote academic and non-academic benefits for all students
- Personalized teaching and learning; Nurturing students' talents and interests

[MSA Magnet School Month](#)

WCPSS Magnet & Curriculum Enhancement Programs

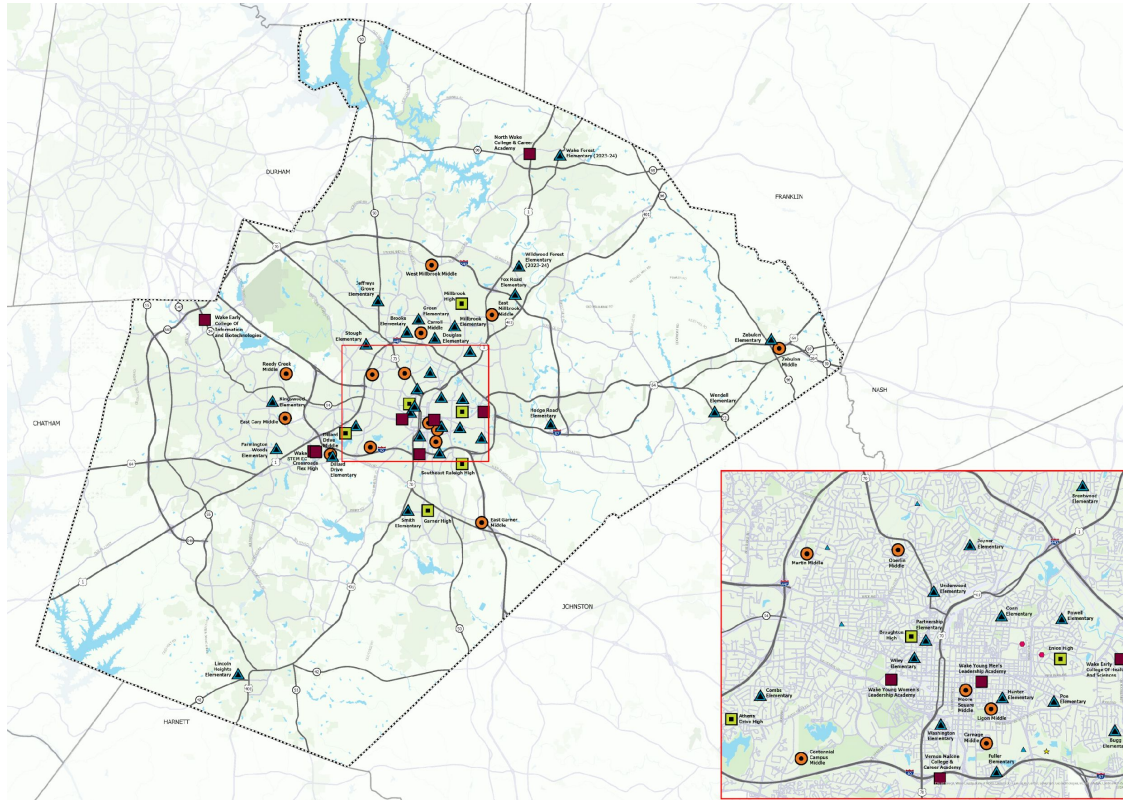
- 1976 - Wake County City and County School Systems Merge (WCPSS)
- 1978 - First Magnet school introduced in WCPSS – *Hunter Magnet Elementary*
- 1982 - Schools of Choice Plan implemented, expands magnet programs
- 1986 - WCPSS receives first MSAP grant to revitalize existing magnet schools
- 1991 - Multi-Track Year-Round Schools began in Wake County (under magnet)
- 2001 - Changed Magnet Selection Priorities from race to socioeconomic status
- 2006 - Year-Round Schools were Separated from Magnet (mandatory)
- 2006 - First Early College in Wake opened
- 2009 - Diversity taken out of student assignment
- 2013 - Curriculum Enhancement added to Magnet
- 2012 - 2015 - Diversity reintroduced to Magnet and Student Assignment
- 2016 - Board approves four magnet principles (*reducing poverty, promoting school integration, max. school facilities, and provide innovative and/or expanded educ.opportunities*)
- 2019 - Receives *Magnet Schools of America* District Award for Sustainability
- 2020 - 22 magnet schools earned MSA Certification recognition in first national cohort
- 2022 - Superintendent Moore named Superintendent of the Year by MSA:

most recent MSAP Grant Awarded

WCPSS Magnet Schools Assistance Program (MSAP) Grant History

MSAP Award Year(s)	Award Amount	Magnet Schools in Grant Project
1985-86	\$3.8 million	6 Schools: Apex, Hunter, Ligon, Enloe, Carnage, & Daniels
1993-95	\$2.6 million	8 Schools: Conn, Fuller, Hunter, Poe, Bugg, Powell, Ligon & Enloe
1995-98	\$6.3 million	6 Schools: Bugg, Poe, Carnage, Ligon, Enloe, & Southeast Raleigh
1998-2001	\$7.5 million	4 Schools: East Millbrook, Carnage, Fuller & Conn
2001-04	\$7.4 million	5 Schools: Moore Square, Brooks, Joyner, Powell, Millbrook ES
2007-10	\$8.3 million	3 Schools: Southeast Raleigh, East Garner, Garner
2013-16 (14-17)	\$10.3 million	5 Schools: Carroll, Green, Fox, Moore Square, Poe
2017-22	\$14.9 million	4 Schools: Bugg, Lincoln Heights, Millbrook ES, & Southeast Raleigh
2021-26	\$14.1 million	4 Schools: Dillard Dr. ES/MS, East Cary, & Smith
2022-2027	\$13.5 million	4 Schools: Centennial Campus, East Millbrook, Wake Forest & Wildwood Forest
	\$88.7 million	TOTAL AWARD AMOUNT

Current Magnet & Curriculum Enhancement Programs



Magnets by grade span:

Elementary = 30

Middle = 14

High = 6

Early colleges = 7

Crossroads Flex

MSAP: CORNERSTONE (2017-2023*) – Highlights

Bugg Magnet Elementary Center of Design and Computer Sciences

Lincoln Heights Magnet Elementary Environmental Connections

Millbrook Magnet Elementary Environmental Connections

Southeast Raleigh MHS IB, University Connections, School of Design, Arts and Engineering

Bugg Highlights:

- Learner Profile - Bugg graduate as a digital citizen, computational thinker and innovative designer; professional development and instructional supports including partnerships; Bugg students far exceed their counterparts in preparation for the future Computer Science careers

Lincoln Heights and Millbrook Highlights:

- Environmental Connections - engaging environmental electives and frequent 'beyond the classroom' learning experiences (outdoor spaces, wildlife cameras, goats, bees, etc.)

SRMHS Highlights:

- Through the University Connections theme, students are conducting pharmaceutical experiments at Campbell University, enjoying and participating in the audiovisual lab at the JB Hunt Library and completing internships with various local companies.

MSAP: NEXUS – Initial Highlights & Takeaways

Dillard Drive Magnet Elementary Center for Global Studies and Spanish Immersion

Dillard Drive Magnet Middle Center for Global Studies and Spanish Immersion

East Cary Magnet Middle Center for Global Studies and World Languages

Smith Magnet Elementary IB PYP and Spanish Immersion

Highlights: Connections among global geography, cultures, ideas, and languages; new marketing materials/signage

Dillard Dr ES - Full Immersion = 2 sections/34 students; special rotations - moving toward schoolwide global integration

Smith ES - Dual Language Immersion = 1 section/30 students; and daily world language for non-immersion students

Dillard Dr./East Cary MS: Daily world language between French & Spanish (DDMMS) and Chinese & Spanish (ECMMS), integrating cultural aspects throughout the content areas

Takeaways are similar to Cornerstone - Developing strategies for how to teach through a global lens

MSAP: CORNERSTONE & NEXUS – Key Takeaways

- The **SMART** (Heroes Read) Literacy and Reading Apprenticeship programs - promising results
- **Transportation** is key - many magnet families discover they cannot sustain the challenge of transportation
- **Strong administrative and magnet leadership** - visioning is critical as is scaffolding supports for teachers, students, and community members
- **Messaging diversity** - schools need additional help from the district regarding the benefits of diversity for ALL students
- **Systemic collaboration and communication** - Magnet staff, school leadership, district departments, school staff and faculty, students, community and families is critical - *the more we are able to build networks, the more successful our MSAP schools tend to be*

MSAP: Synergy (2022-2027) – Initial Implementation

Centennial Campus Magnet Middle School Center for Innovation
Wake Forest iSTEM Magnet Elementary School
East Millbrook Magnet Middle Center Academy for Arts & Design
Wildwood Forest Magnet Elementary School Academy for Arts & Design

Highlights: Partnership with NC State College of Design – Staff professional learning

Centennial Campus MMS: Center for Innovation; pathway elementary schools - Engineering (Brentwood), Entrepreneurship (Conn), Environmental Science (Millbrook & Lincoln Heights MES), Leadership (Combs); pathway leads to Athens or Southeast Raleigh MHS

Wake Forest MES: investigations through STEM with world languages, pathway leads to Carroll or West Millbrook MMS, Southeast Raleigh and Millbrook MHS

East Millbrook MMS: Academy of Arts & Design; pathway elementary schools – Brooks (Museums), Douglas & Wendell (Creative Arts & Sciences), Wildwood Forest; pathway leads to Millbrook MHS

Wildwood Forest MES: Academy of Arts & Design; pathways leads to East Millbrook MMS and Millbrook MHS

MSAP: Magnet School Assistance Program



OFFICE OF Elementary & Secondary Education

[About](#)[Programs](#)[Grantees and Applicants](#)[Families](#)[Educators](#)

[OESE](#) » [OFFICES/PROGRAMS BY OFFICE](#) » [OFFICE OF DISCRETIONARY ...](#) » [SCHOOL CHOICE & IMPROVEMENT](#) » [MAGNET SCHOOLS](#)

Magnet Schools Assistance Program (MSAP)

CFDA NUMBER	84.165A
PROGRAM OFFICE	School Choice and Improvement Programs
PROGRAM TYPE	Discretionary/Competitive Grants

MSAP

- Only federally funded grant focused on school integration
- Increased Federal funding in 2022
- Up to \$15M in funds
- Five-year grant cycle
- Seeking high quality implementation
- Evaluations seeks to identify best practices to support magnet programs nationally

MSAP Grant Application: School/Theme Selection Criteria

- ED MSAP Grant Purposes
- WCPSS Magnet Principles
- Alignment to WCPSS District Strategic Plan/Goals
- Future student growth
- Viable application areas
- K-12 theme alignment



MSAP Grant Purposes (with ESSA updates included)

PURPOSE 1:

The **elimination, reduction, or prevention of minority group isolation** in elementary schools and secondary schools with substantial proportions of minority students, which shall include assisting in the efforts of the United States **to achieve voluntary desegregation in public schools**;

PURPOSE 2:

The development, implementation, and expansion of magnet school programs that will **assist local educational agencies in achieving systemic reforms and providing all students the opportunity to meet challenging State standards**;

PURPOSE 3:

The development, design, and expansion of innovative educational methods and practices that **promote diversity and increase choices** in public elementary schools and public secondary schools and public educational programs;

PURPOSE 4:

Courses of instruction within magnet schools that will **substantially strengthen the knowledge of academic subjects and the attainment of tangible and marketable career, technological, and professional skills of students** attending such schools;

PURPOSE 5:

Improving the capacity of local educational agencies, including **thorough professional development, to continue operating magnet schools at a high-performance level after Federal funding** for the magnet schools is terminated; and

PURPOSE 6:

Ensuring that **all students enrolled in the magnet school programs have equitable access to high quality education that will enable the students to succeed academically and continue with postsecondary education or employment.**

ED Key Considerations:

MSAP PURPOSE	DESCRIPTION	FACTORS CONSIDERED
Purpose 1	<i>“elimination, reduction, prevention” of MGI – school desegregation</i>	<ul style="list-style-type: none"> • Socioeconomic • School demographics
Purpose 2	<i>“assist...in achieving systems reforms” toward academic advancement</i>	<ul style="list-style-type: none"> • Proficiency scores • Growth scores
Purpose 3	<i>“promote diversity” through increased student options</i>	<ul style="list-style-type: none"> • Viable draw area • Parent choice
Purpose 4	<i>“substantially strengthen” academic and marketable professional (soft) skills</i>	<ul style="list-style-type: none"> • Theme • Authentic learning opportunities/experiences
Purpose 5	<i>“professional development” that sustains program after federal funding</i>	<ul style="list-style-type: none"> • Intensive PD • Marketing/recruitment
Purpose 6	<i>“equitable access” for all students within program to promote academic and postsecondary success</i>	<ul style="list-style-type: none"> • <u>Whole</u>-school magnet • Integrated theme into core content

WCPSS Magnet Principles



- Reduce high concentrations of poverty
- Promote diversity through school integration
- Maximize use of school facilities
- Provide innovative and/or expanded educational opportunities

WCPSS Magnet Key Considerations:

PRINCIPLES	DESCRIPTION	FACTORS CONSIDERED
Magnet Principle 1	<i>Reduce high concentrations of poverty</i>	<ul style="list-style-type: none">• Socioeconomic status: magnet schools, feeder/base schools, and residential area
Magnet Principle 2	<i>Promote diversity through school integration</i>	<ul style="list-style-type: none">• School demographics• Proficiency and growth scores• Impact of magnet on surrounding schools (no negative impact)
Magnet Principle 3	<i>Maximize use of school facilities</i>	<ul style="list-style-type: none">• Facility utilization/school crowding• Target market – school overcrowding• Applicant draw area
Magnet Principle 4	<i>Provide innovative and/or expanded educational opportunities</i>	<ul style="list-style-type: none">• Theme• Authentic learning opportunities/experiences• Developing student potential• Encouraging parent choice

Aligning to District Priorities

Vision: All Wake County Public School System students will be prepared to reach their full potential and lead productive lives in a complex and changing world.

Mission: Wake County Public School System will provide a relevant and engaging education and will graduate students who are collaborative, creative, effective communicators and critical thinkers.

Core Beliefs

- Meaningful learning every day
- Eliminate gaps
- Well-supported staff
- Improvement and innovation
- Diverse school community
- Partnership
- Learning environments

STRATEGIC PRIORITIES

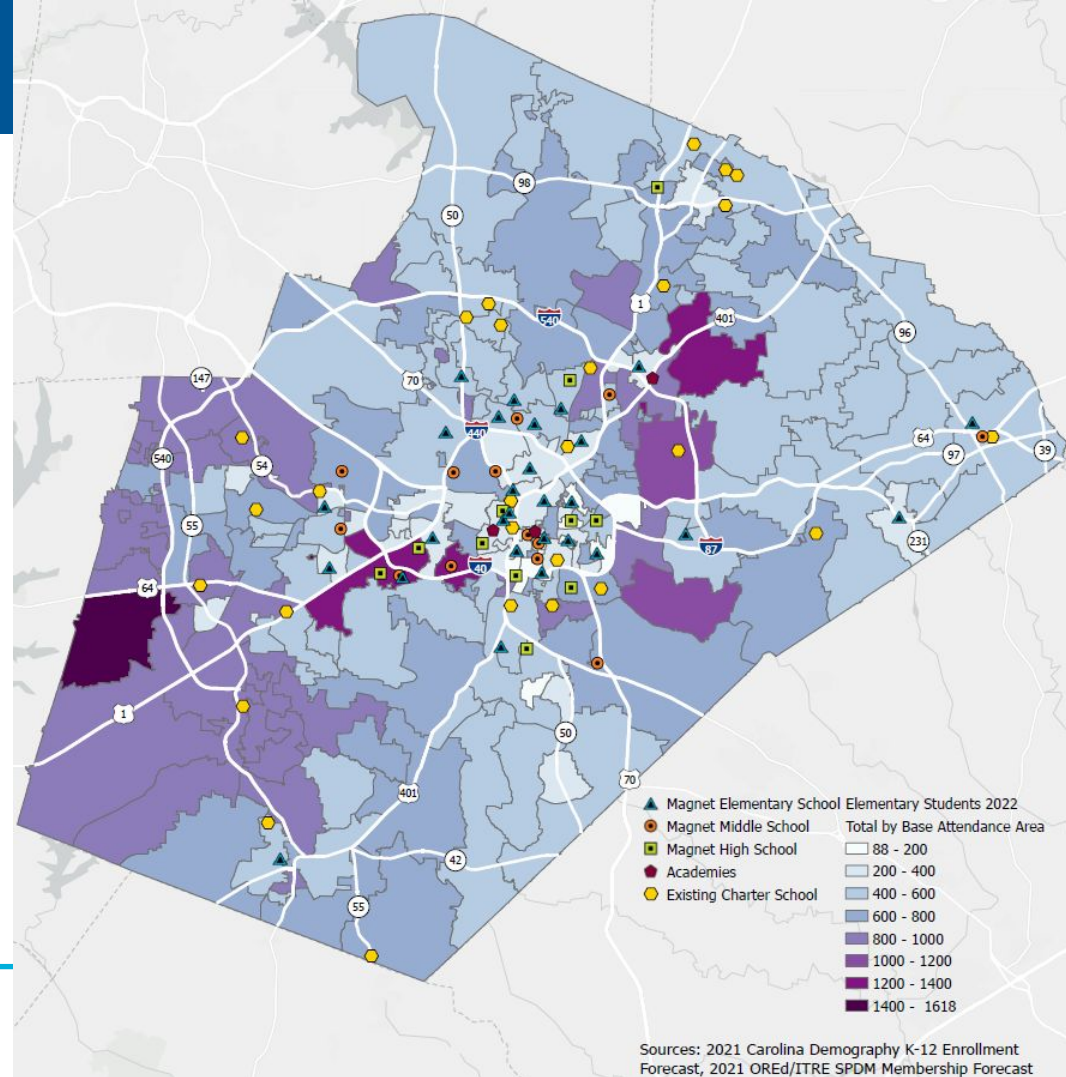


ESSENTIAL PILLARS

2

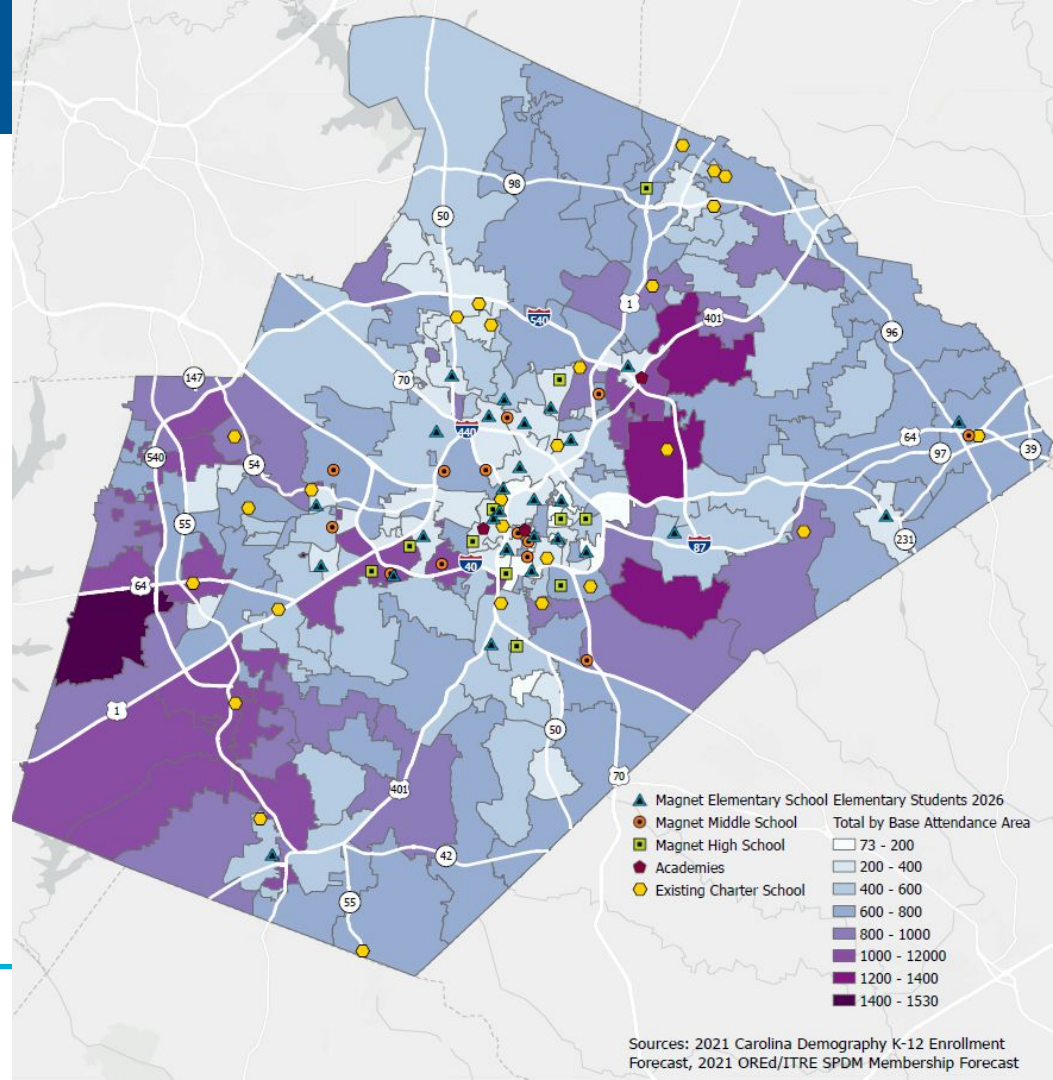
2022 Student Projections

- Elementary student projection for 2022
- Total by elementary base attendance area



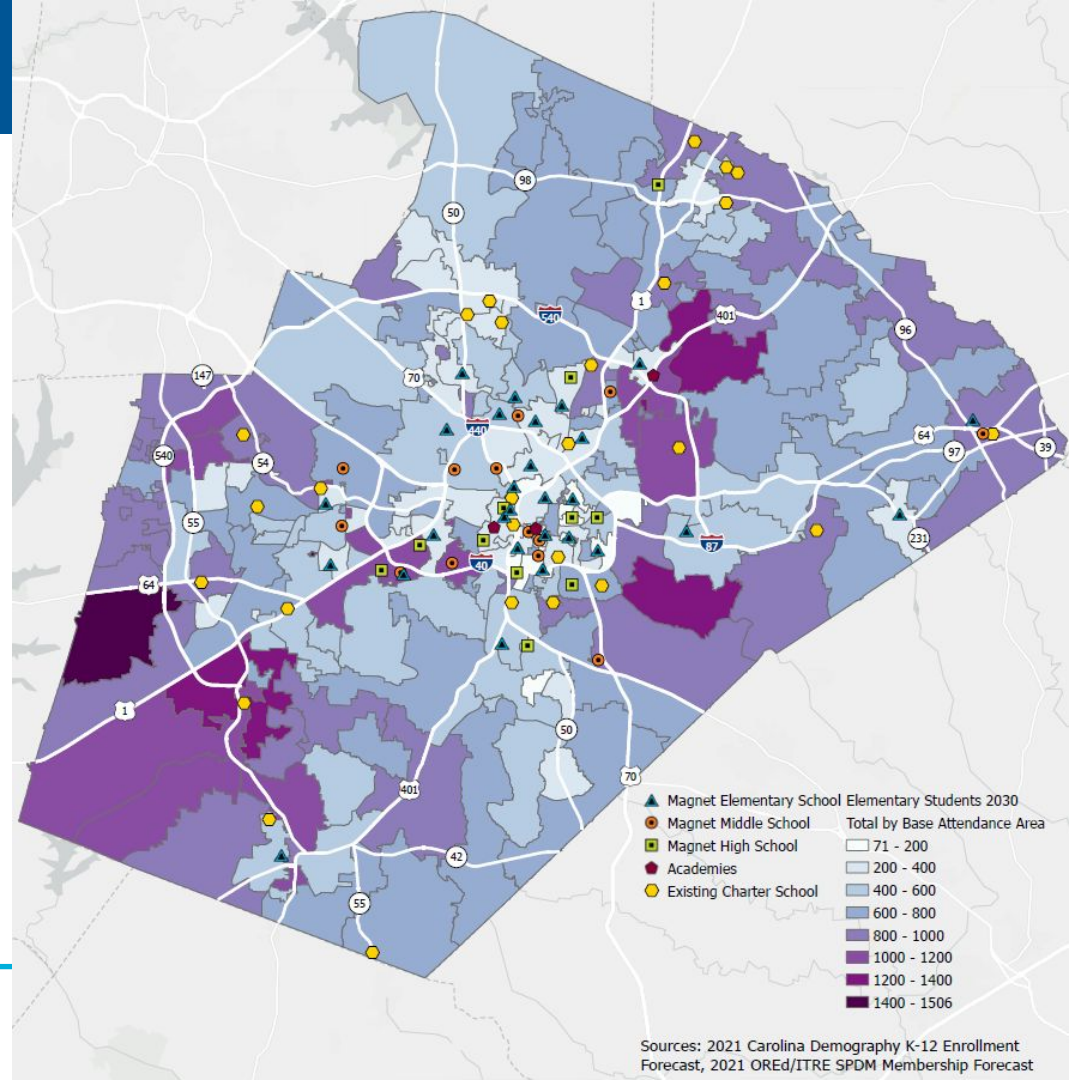
2026 Student Projections

- Elementary student projection for 2026
- Total by elementary base attendance area



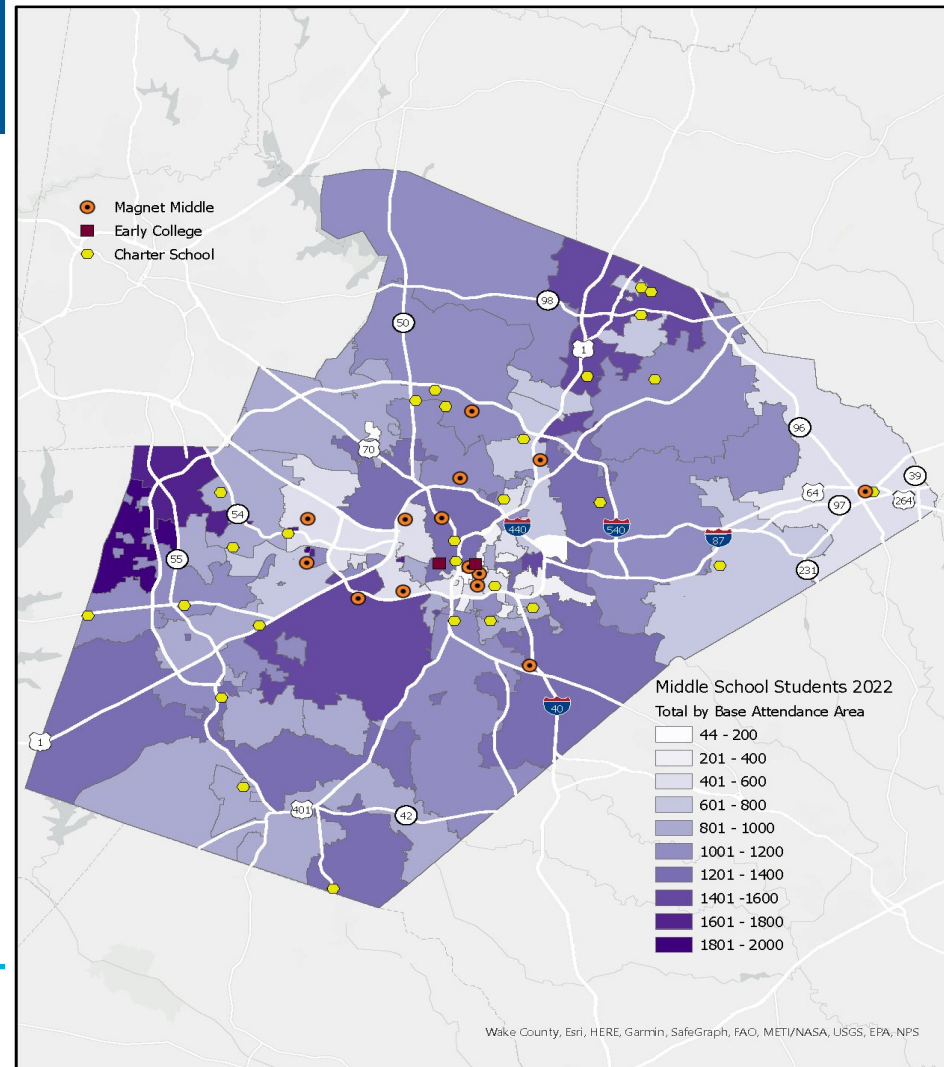
2030 Student Projections

- Elementary student projection for 2030
- Total by elementary base attendance area



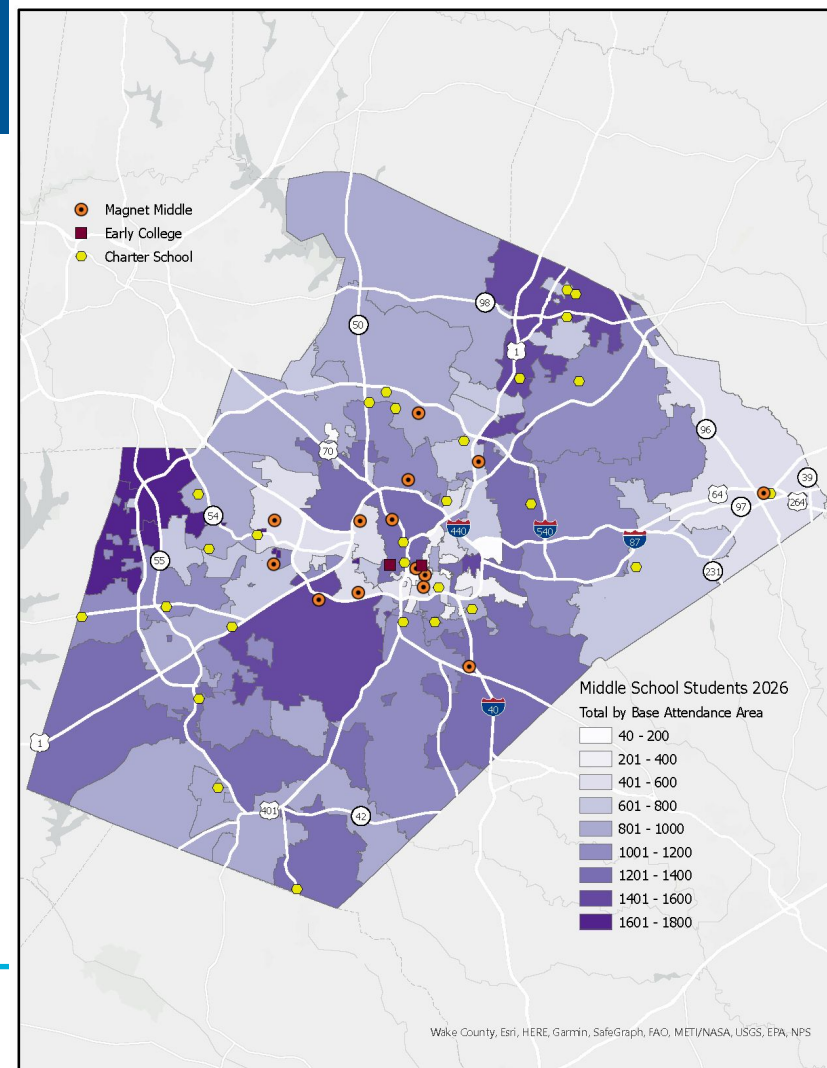
2022 Student Projections

- Middle student projection for 2022
- Total by elementary base attendance area



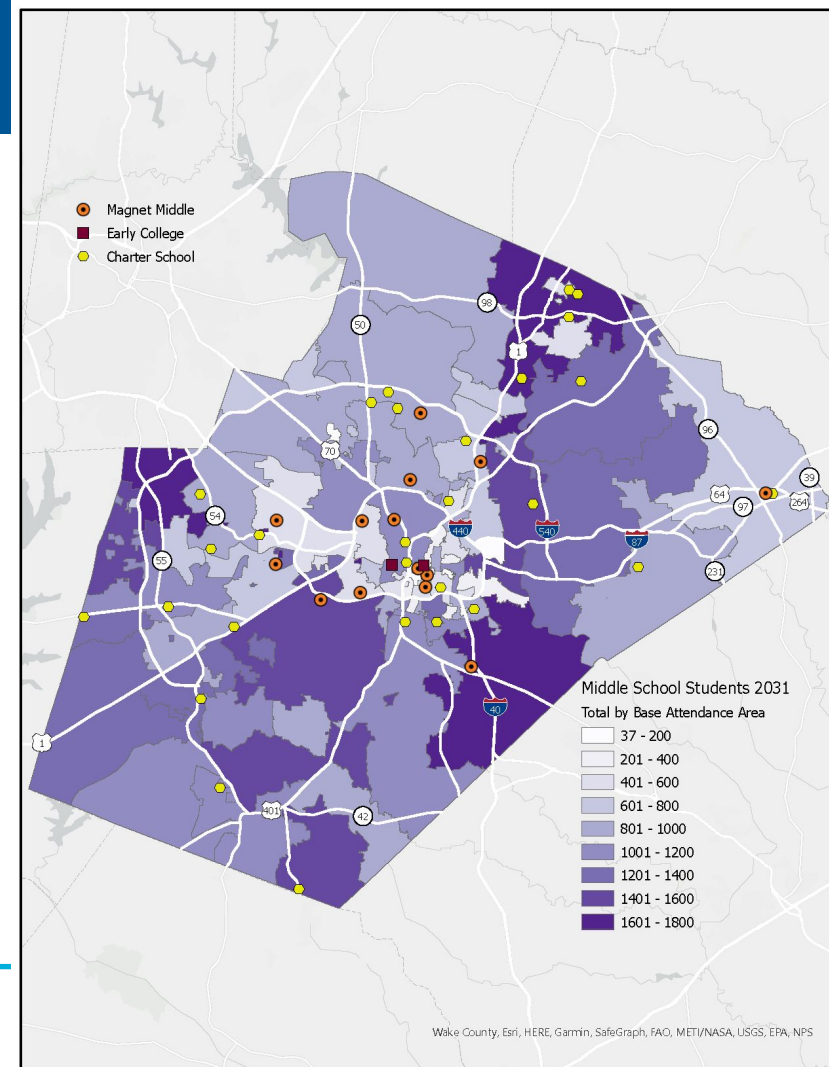
2026 Student Projections

- Middle student projection for 2026
- Total by elementary base attendance area



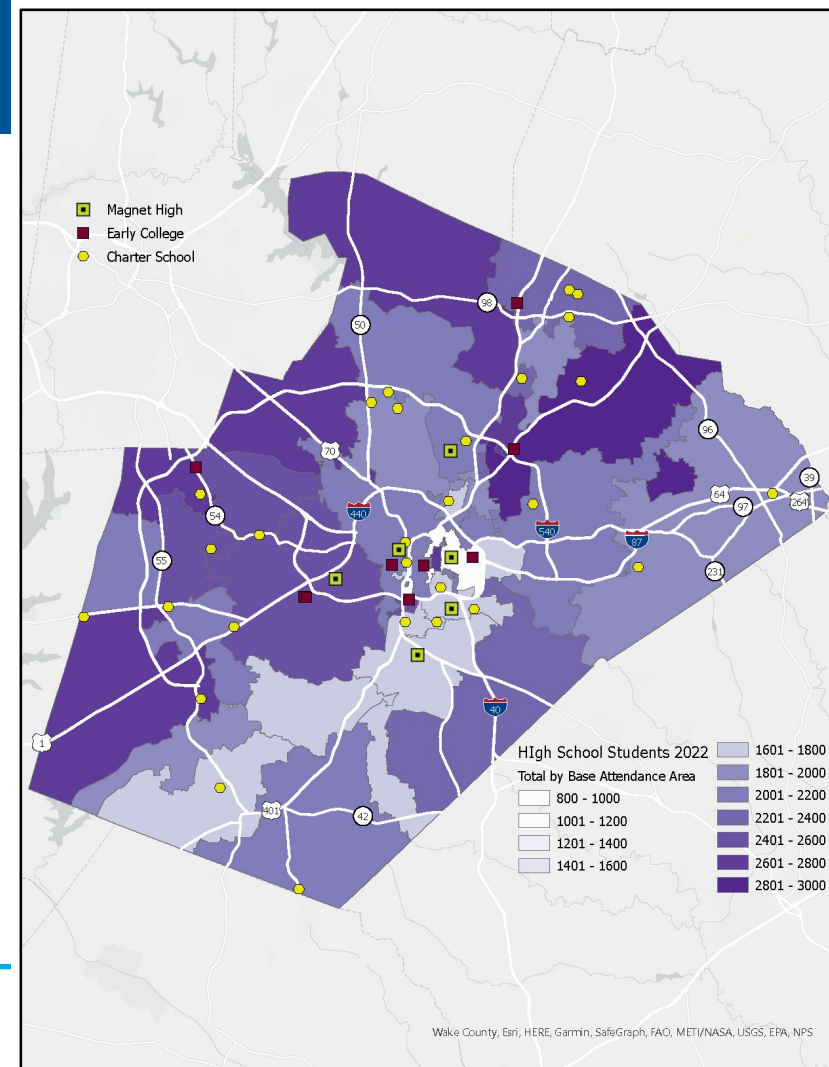
2030 Student Projections

- Middle student projection for 2030
- Total by elementary base attendance area



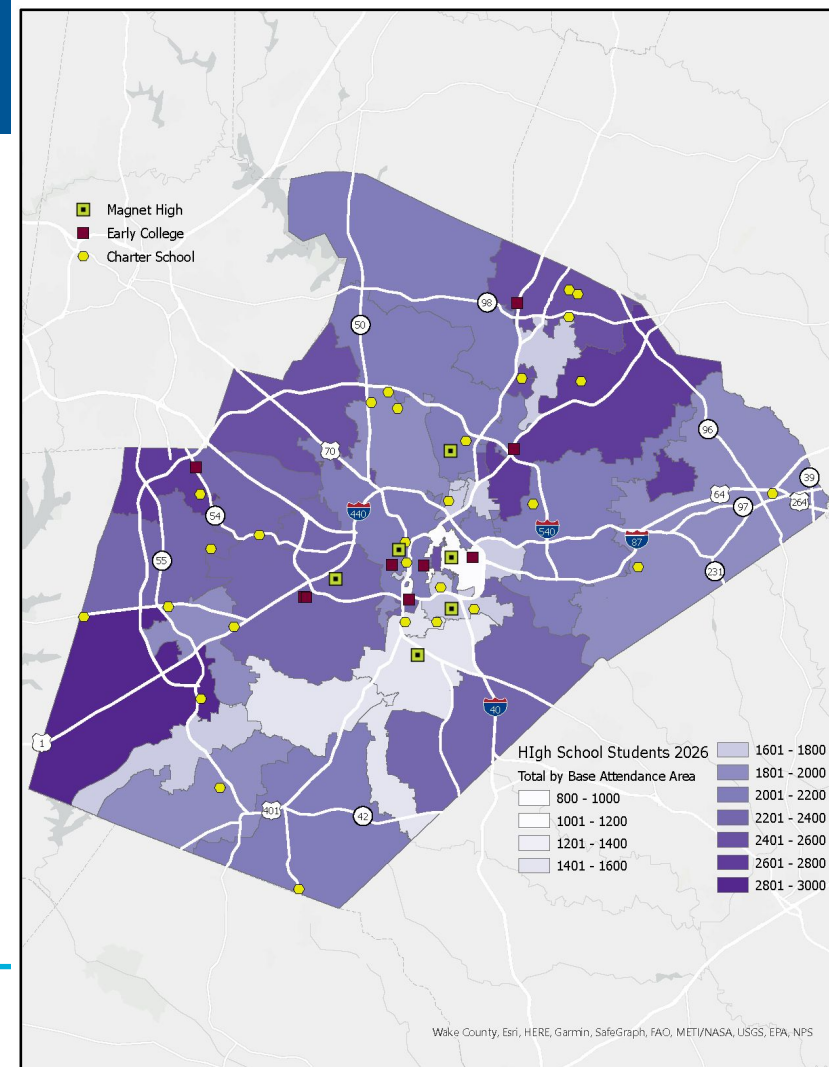
2022 Student Projections

- High student projection for 2022
- Total by elementary base attendance area



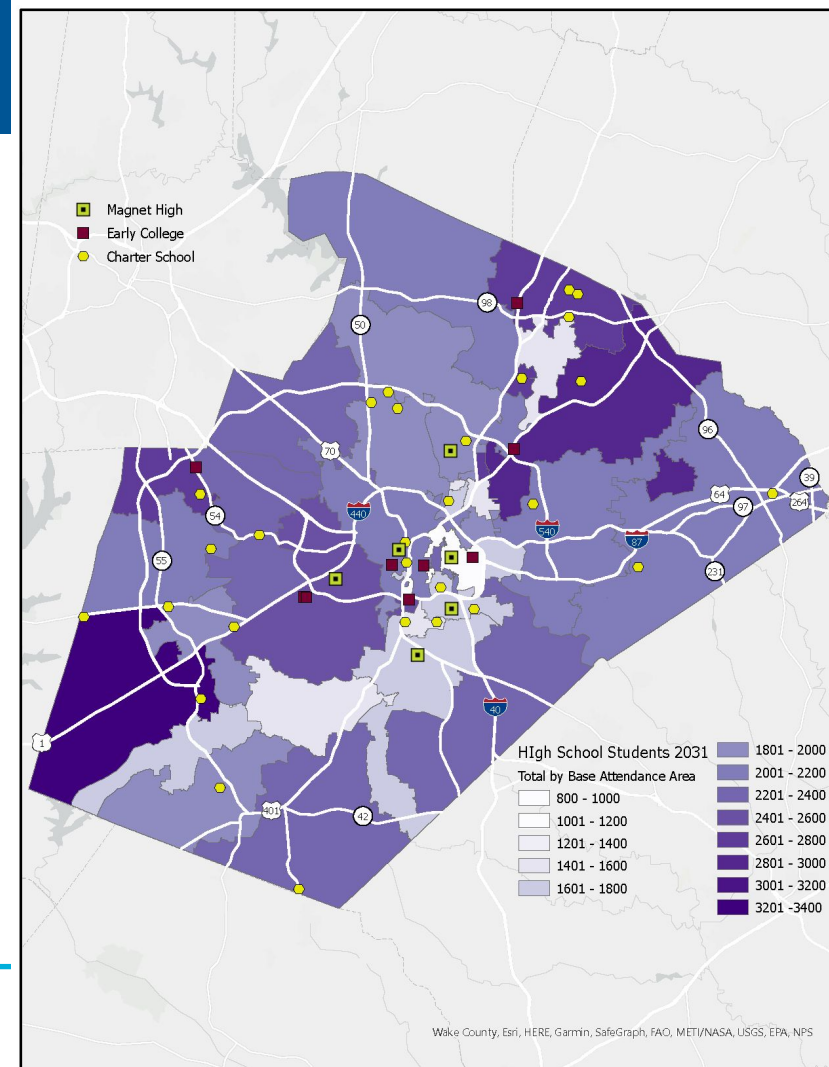
2022 Student Projections

- High student projection for 2026
- Total by elementary base attendance area



2030 Student Projections

- High student projection for 2030
- Total by elementary base attendance area



Data Review: Potential Themes

- Business, Industry, and Community Focus Group
- WCPSS and Charter Family Survey Results
- Magnet Applicant Annual Survey Results

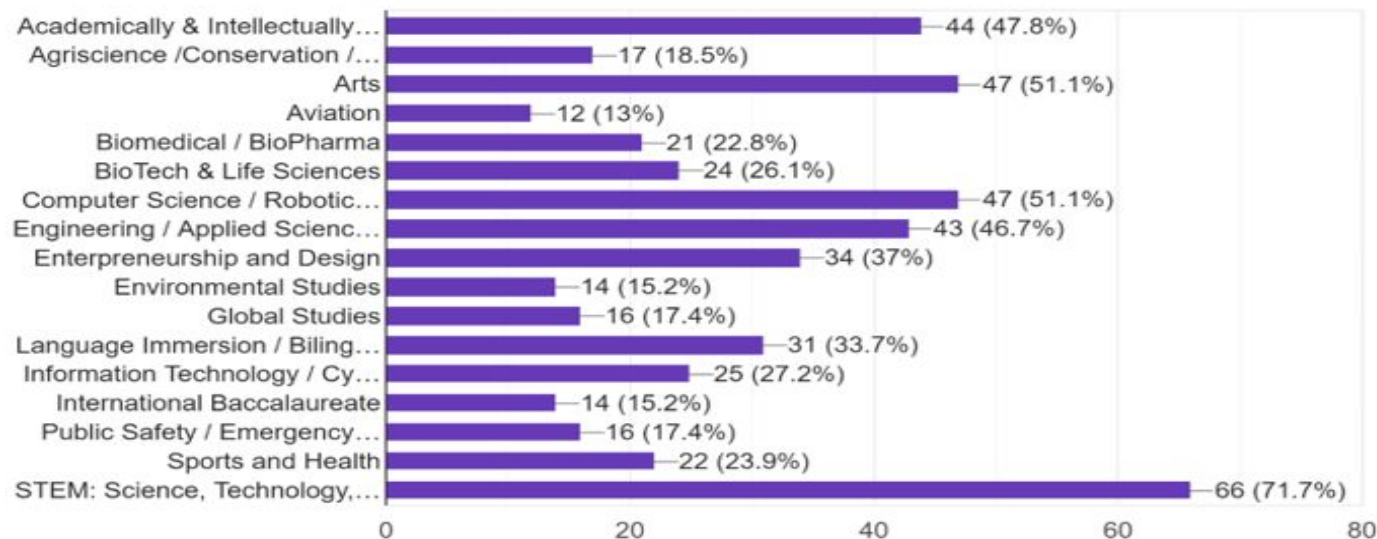
Business Panel Results

- Problem-solving skills
- Creativity
- Customer service skills
- Collaboration, communication, critical thinking, creativity, confidence, character, career aspiration (expose students to careers early), content and citizenship
- Adaptability
- Flexible and able to operate with uncertainty
- Thinking about solutions and finding information for themselves
- Strong writing skills
- Innovative student opportunities – i.e. Experiential learning experiences (earlier – don't wait for HS), expose students to variety of career pathways
- Mentoring, chance to learn from adults in the field, presentations to business panels
- Leadership programs that are tailored less toward “natural leaders” and more toward all students

WCPSS & Charter Family Results

If a theme-based program were to be offered at your base school or another WCPSS school nearby, which of the following themes would be of...and your child? Please select up to seven themes.

92 responses



Magnet Applicant Survey Results

Survey Q: In addition to the magnet themes currently offered in Wake County, what other innovative themes/programs would interest you?

209 open-ended responses

#1. Immersion / Bilingual programs

#2. (Tie) School of Performing Arts, STEM programs

#3. Computer Science / Robotics programs

#4. (Tie) AIG programs, Engineering / Applied Science, Sports/Health programs

Other Considerations

- Geography of Magnets: Viable applicant pool
 - Regional lens
 - Current magnets
 - Charters & privates
- MSAP Funding MGI requirements/considerations
 - 'Eliminate, reduce, or prevent' by minimum requirement annually
 - Potential applicant pool
 - Facilities aligned with magnet theme
- Magnet & Curriculum Enhancement Supports beyond grant funding
 - Magnet feeder patterns
 - Local funding support needed





MSAP: Key Considerations & Recommended Schools

- *Revision:* **Zebulon Magnet Elementary**
- *Revision:* **Zebulon Magnet Middle**
- *Revision:* **Wendell Magnet Elementary**
- *New:* **Wendell Middle**
- *New:* **East Wake High**

Data Review: Recommended Schools

SCHOOL CODE	SCHOOL NAME	Magnet Theme	Location	AMERICAN	ASIAN PCT	BLACK PCT	HISPANIC PCT	PACIFIC ISL	TWO OR MORE PCT	WHITE PCT	ADM Month2	Low SES %	EHI	School Crowding %	Capacity*	%ELA Proficient (GLP)	% Math Proficient (GLP)	Charter Attendance in Base
920600	Wendell Elementary			1.40%	4.60%	30.50%	26.10%	0%	5.80%	31.70%	413	62.80%	Very low	91.80%	450	35.30%	35.30%	76
920632	Zebulon Elementary	Gifted and Talented		0%	0.60%	42.80%	32%	0.0%	7%	17.60%	544	73.4%	Medium	95.40%	570*	28.5%	29.2%	164
21'22	District Average % for ES			0.2%	11.6%	21.9%	19.3%	0.1%	4.0%	42.8%	586	30.2%		94%		59.7%	62.0%	
SCHOOL CODE	SCHOOL NAME	Magnet Theme/YR	Location			BLACK PCT	HISPANIC PCT			WHITE PCT	ADM Month2	Low SES %	EHI	School Crowding %	Capacity	%ELA Proficient (GLP)	% Math Proficient (GLP)	
920601	Wendell Middle		East	0.40%	3.80%	32.60%	38.30%	0%	4.80%	20.10%	713	67.30%	Low	73.70%	936	44.9%	25.7%	117
920636	Zebulon Middle			0.10%	0.70%	44.80%	30.40%	0%	5.60%	18.30%	705	66.90%	Low	67.80%	1040	48.3%	39.8%	132
21-22	District Average % for MS					23.2%	19.7%			43.5%	978	29.8%		87.80%		60.2%	51.6%	
SCHOOL CODE	SCHOOL NAME	Magnet Theme	Location			BLACK PCT	HISPANIC PCT			WHITE PCT	ADM Month2	Low SES %	EHI	School Crowding %	Capacity	% English 2 Proficient	% Math 3 Proficient	
920411	East Wake High		East	0.20%	1.30%	41.80%	34.40%	0%	3.40%	18.80%	1,627	61.9%	Low	88.10%	1847*	49.1%	42.3%	255
21-22	District Average % for HS					22.4%	17.7%			47.4%	1681	23.1%		95.7%		71.0%	65.3%	
Overall	District Avg			0.20%	11.60%	21.90%	19.30%	0.10%	4%	42.80%	1584	12.0						

MSAP: Strengthening K-12 THEME PATHWAYS

<i>Theme</i>	<i>Elementary</i>	<i>Middle</i>	<i>High</i>
<i>GT/AIG w/STEM emphasis</i>	Zebulon Magnet ES 	Zebulon Magnet MS 	East Wake High
<i>Creative Arts & Design</i>	Wendell Magnet ES 	Wendell Magnet MS 	

Timeline and Next Steps

Date	Event	Notes
Fall 2022	Data Review	Internal & External
2021 - 2022	Solicit Input	Family & Community/Business partners
February 1, 2023	Student Achievement Committee	Proposed Schools and theme focus areas
February 21, 2023	BOE Work Session/BOE Action Item	Finalized Schools and Themes
February 2023	MSAP Grant Posted	Anticipated early to mid February
February – April 2023	Grant writing	Magnet & Grants Office
Late April/Early May 2023	Deadline for submission	Tentative
September 30, 2023	Notification of Award Status	Tentative implementation cycle – October 1, 2023 – September 30, 2028

Reflections, thoughts, questions?

