

Magnet Schools Assistance Program Grant (MSAP) Candidate Schools & Theme Elements 2022 – 2027

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DIFFERENTLY 



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Today's Agenda

- Magnet School Assistance Program Grant 2022
 - MSAP Historic Data
 - Successful MSAP Implementation
 - CORNERSTONE 2017-2022/2023
 - NEXUS 2021-2026
- Background: Selection Criteria
- Candidate Schools
- Review MSAP Process
 - Review Roles – OMCE & School teams
 - Brief review of data utilized
 - Review THEME and associated elements
 - Review Teaching & Learning Framework that accompanies selected THEME
- Timeline

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
1985-2021	\$75.2 million	TOTAL AWARD AMOUNT

MSAP: CORNERSTONE (2017-2022) – 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: CORNERSTONE – 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: 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, “Implementation Science”

MSAP: School Selection Criteria

- Department of Education MSAP Grant Purposes
- WCPSS Magnet Principles
- Magnet groups
- 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

Magnet Groups:

	Group 1	Group 2	Group 2A	Group 3	Group 4
	Downtown, Low SES base	Rim area, low SES base	Rim area, medium/high SES base	Eastern/Southern Wake application area	Early Colleges
<i>SES: Free- Reduced Lunch</i>	65 – 100%	0% - 64% in base	0% - 64% in base		Seats for 1 st Gen. and non-1 st Gen.
<i>Magnet Goal</i>	60% - 70%	30% - 40%	30% - 40%	10% - 20%	
<i>Selection Criteria</i>	SES of base school and home area	SES of base school and home area	SES of base school and home area, reserved seats	SES of base school and home area, ALL levels considered	Aligned with application score and criteria points
<i>Total Schools</i>	22 schools	17 schools	2 schools	7 schools	6 schools

Other Considerations

- Geography of Magnets: Viable applicant pool
 - Eastern Wake/Southern Wake as compared to Western Wake
 - 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

WCPSS K-12 Magnet Theme Gaps

THEME	ELEMENTARY	SECONDARY
<i>Arts</i>	V&PA feeder	East Millbrook
<i>Engineering</i>	Brentwood ES	Engineering MS
<i>Entrepreneurial Design</i>	Conn ES	Entrepreneurial Design MS
<i>Environmental Connections</i>	Lincoln Heights & Millbrook ES	Environmental Connections MS
<i>International/Global Studies & World Languages</i>	Center for WL feeder	East Cary

2022 – 2027 MSAP: Candidate Schools

- New: **Wake Forest Elementary**
- New: **Wildwood Forest Elementary**
- *Revision:* **Centennial Magnet Middle**
- *Revision:* **East Millbrook Magnet Middle**

Data Review: Recommended Schools

SCHOOL	Location	African American %	HISPANIC/ Latino %	WHITE %	ADM Mo. 2	SES %	School Crowding %	Capacity*	%ELA Proficient (GLP)	% Math Proficient (GLP)
Wildwood Forest Elementary	Northeast	53.0%	27.9%	10.1%	564	63.4%	89.5%	630*	28.3%	15.5%
Wake Forest Elementary	Northeast	35.0%	11.9%	44.5%	354	46.6%	69.7%	508	53.9%	42.2%
<i>ES District Average %</i>		21.8%	18.7%	43.6%	586	30.2%	94%		56.8%	50.2%
Centennial	Central	40.7%	26.9%	23.7%	552	52.20%	88.5%	624	47.10%	23.00%
East Millbrook	Northern	49.7%	34.1%	10.1%	788	62.30%	69.8%	1,144*	27.3%	13.1%
<i>MS District Average %</i>		23.20%	19.70%	43.5%	978	29.80%	87.80%		59.10%	45.10%

MSAP: WCPSS Process

Magnet Team: Determining “The What”

- Data Analysis
 - Community Survey
 - Focus Group
 - Magnet Survey Results
 - Staff, Teacher, Student survey at MSAP schools
- Magnet Themes & Framework

Magnet Team + MSAP School Teams

- Visioning a “Day in the Life of a Student” in the magnet program

MSAP School Teams: Determining “The How”

- Grant team to support program design

“The What”: *Data Analysis*

- Business, Industry, and Community Focus Group
- WCPSS and Charter Family Survey Results
- Magnet Applicant Annual Survey Results
- MSAP School Staff, Parent, Student Survey Results

Data Analysis: Business Focus Group 10/13/21 Results

- Problem-solving skills –
 - PBL earlier options – ES and MS
- 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

Notes from Wake Business Panel - 10/13/21

Participants: Catherine Barone (NC Apprenticeship Program, former WCPSS Career Development Coordinator); Douglas Price (Wake Ed Partnership); Bill Seyler (retired Chair of School to Career, ACE Mentoring Chair); Hwei Chen-Lee (National Institute of Health at RTP); Jennifer Sabourin (Research Scientist SAS); Hardin Engelhardt (VP Engagement Marble Kids Museum); Keith Poston (Wake Ed Partnership); Jan Kuehne (Management Coordinator NCTAP)

“We believe kids can only aspire to be what they can see.”

Skills and competencies looking for in new hires?

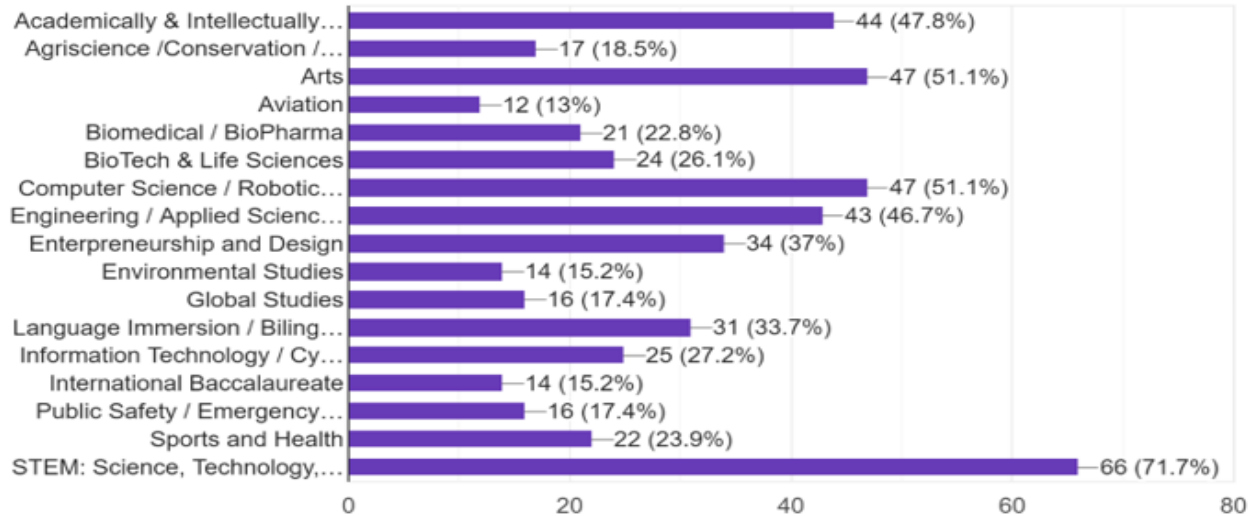
Data Analysis: Business Focus Group Results Continued

- 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
- High vocational needs – CTE, certifications, credentialing, needs to expand CTE offerings
- Computer science
- Evolving technologies

Data Analysis: 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



Data Analysis: 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

Data Analysis: MSAP School Staff, Parent, Student Survey Results

	Students (105 responses)	Parents (207 responses)	Teachers (93 responses)
Favorite Elective/ Most Needed	Art 40% PE 38% <i>Sci/Math 13%; Tech 5%; Music 2%</i>	Bilingual Acceleration STEM Creative & interactive	**
Add one Class or More Frequently	Art: 28% Eng/Robotics: 22% Coding/Gaming: 50%	Language: 69% Authentic/RW: 73% Adv ARTS: 44% Adv STEM: 79%	Language: 40% Authentic/RW: 69% Adv ARTS: 61% Adv STEM: 61%
Experiences Desired	Field trips: 50% Outside partners: 17% Extra curriculars: 16%	Field trips: 23% Outside partners: 56% Extra curricular: 25% Arts/STEM elective: 59%	Field trips: 87% Outside partners: 94% Extra curricular: 78% Inquiry: 87% Cultural underst: 54%

Data Analysis: MSAP School Staff Survey Results

****Teachers Desired Outcomes:**

- Career connections
- Write, read and communicate
- Real-world opportunities
- Integration across core and the flexibility to adapt
- STEM/Makerspace/PBL/programming
- Creative thinking
- Collaboration
- Technology skills
- Empathy
- Understanding of other cultures
- Life and customer service skills
- More field trips
- More arts
- More emphasis on social studies

Data Analysis: MSAP School Staff & Parent Survey Results

	Parents (207 responses)	Teachers (93 responses)
Connect to Career/Work	97%	94%
Communication	69%	60%
Thinking Strategically	43%	50%
Creativity & Design	43%	28%
Growth Mindset	46%	57%
Ambiguity & Change	37%	59%
SEL/Empathy/Inclusivity/Resolving Conflict	avg 30%	70%

Magnet Team: “The What”

The “What”

- Determine theme based on feedback
- Collaborate with curriculum team to create a framework
- Research and identify professional development
- Collaborate with Central Services Departments to support school needs (ITLMS, Arts, CTE, etc.)
- Determine draw areas and transportation
- Create a marketing plan

The role of the Magnet & Curriculum Enhancement Office in the theme development and grant writing process is determining “the what,” from the data collected via the schools, community, district, and BOE.

Key THEME Elements

Theme:	Concise, clearly defined, and easily articulated
School Name:	Fully encompasses theme so that all stakeholders can appreciate
Pathway:	Clear for families interested in theme

Key THEME Elements

Theme:	Global-STEM (Wake Forest MES)
Framework:	<ul style="list-style-type: none">● Teaching and Learning pedagogy (i.e. Inquiry-based/project-based learning, etc.)● Theme essentials – curriculum mapping, elective offerings● Technology tools● Professional Learning● Collaborative learning environments● Personnel● Collaboration with Academics

Theme Parameters from Magnet Pathway

<i>Theme</i>	<i>Elementary</i>	<i>Middle</i>	<i>High</i>
<i>STEM</i>	Lincoln Heights Millbrook Brentwood Conn Combs	Centennial <i>University Connections & Leadership</i>	Southeast Raleigh
<i>Arts & Design</i>	Wildwood Forest Elementary	East Millbrook <i>Academy of Visual & Performing Arts</i>	Millbrook MHS
<i>Global STEM</i>	Wake Forest Elementary	W. Millbrook (IB – MYP)	Millbrook MHS (IB DP)

School Teams: Step 1

- Brainstorming around theme
- Begin visioning “a day in the life of a student/teacher/school leader” in the magnet theme.

Magnet Team + MSAP School Teams Collaboration

Step 2: Next Meeting.....

- Review school initiatives, and their effectiveness, and cross-reference with grant initiatives
- Build school schedule aligned with magnet theme framework
- Identify instructional spaces to support the theme
- Identify partners (business, community, arts, university....) to support the magnet program

Step 3:

- Brainstorm ideas for parent engagement with the theme
- List theme-related student clubs and afterschool activities/programs

“The How”: MSAP School Teams

The role of the MSAP School Teams in the Grant Writing Process:

- Provide historical background about the school
- Identify needs of the school
- Provide information about school culture
- Determine “when” and “how often” pd will occur
- Identify when new curricula units will be written (during the grant cycle) to support theme implementation
- Conduct theme-related materials audit (e.g. instruments, technology...etc.)

Timeline of Next Steps

Date	Event	Notes
January / February 2022	Magnet Team meets with MSAP School Grant Teams	In person or virtual meetings: - Present themes - Visioning “a day in the life of a student” in the theme.
February 1, 2022	Magnet Team presents MSAP Schools to BOE	Action item
February - March	MSAP Grant Writing	<u>“The What”</u> - Magnet Team <u>“The How”</u> - MSAP School Teams <u>Collaboration</u> -Magnet & School Teams
February - March	Determine yearly MSAP grant evaluation goals/benchmarks, performance measures, budget, etc.	Magnet Team, Grants Administration Office, Data, Research & Accountability, Student Assignment, WCPSS Finance Department, MSAP School Teams, METIS
March/April	Grant Editing/BOE Resolution	METIS / Magnet Team / WCPSS Grants Administration Office
April - projected deadline	Submit Grant	WCPSS Grants Administration Office