Magnet Schools Assistance Program (MSAP) Grant

2017-2022

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 through 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 a high quality education that will enable the students to succeed academically and continue with postsecondary education or employment.

MSAP Grant Considerations

(1) Must be a newly designated magnet school program or an existing magnet school program but with a proposed significantly revised theme - USED required

(2) Will be looking for situations where strategies related to eliminating, reducing, or preventing minority group isolation and increasing academic achievement can be complimented by strategies which increase socioeconomic integration - To align with ESSA

(3) Applicants must describe how their LEA defines or identifies minority group isolation. For purposes of our two most recent applications it has been individual subgroup percentages substantially higher than the district average. - This is not defined by USED but our choice, which has been received as acceptable under the current funded grant.

(4) The identified schools will not negatively impact surrounding schools - This is always a question of Office of Civil Rights (OCR). The intention of the grant is not to address MGI at identified schools and then shift or begin to create the same challenge in other schools.
   ○ Must have a viable draw area to attract magnet students

(5) Must submit a voluntary desegregation plan, which includes a Board resolution, unless under a court ordered desegregation plan.

(6) Will expect students to be selected by some kind of lottery process rather than academic examination

Magnet Principles

(revised 2015)

- WCPSS Magnet Programs are an important and critical mechanism helping to:

  - Reduce high concentrations of poverty, and

  - Promote diverse populations, and

  - Maximize use of school facilities, and

  - Provide innovative and/or expanded educational opportunities.

MSAP 2017-22 Candidate Schools

- Bugg Magnet Elementary School
- Lincoln Heights Elementary School
- Millbrook Magnet Elementary School
- Southeast Raleigh Magnet High School

Magnet Theme Selection Criteria

◉ Attractiveness to Target Market
◉ August Focus Groups with magnet consultant
◉ North Wake College & Career Academy parent survey
◉ Survey of Target Market parents
◉ February survey of all magnet parents chosen in the magnet selection process
◉ Labor Market Data analysis
◉ Magnet/CE Team brainstorming
◉ Consulted with Magnet Schools of America
◉ Review of other districts across the country
◉ Minimal negative impact on existing magnets
◉ Filling magnet theme gaps within the district
◉ MSAP Grant Regulations released
◉ STEM component of the MSAP grant and all federal funding
◉ Evidence of Promise

Potential Theme 1

- International Design Academy
  - Graphic design
  - Fashion Design
  - Interior Architectural Design
  - Interior Design
  - Multiple World Languages

Potential Theme 2

- Academy of Computer Sciences & Innovation
  - Robotics integrated into core instruction as well as Robotics Teams
  - Computer Science
  - Coding
  - Design
  - Cybersecurity

Potential Theme 3

- Architecture and Design
  - Drafting/CAD/3D Modeling
  - Remodeling/Historic Preservation
  - Interior Design
  - Sustainable Design (Leadership in Energy and Environmental Design – LEEDS)
  - Flexible Design Workspace
  - Civil Engineering and Project Management
  - ACE Mentoring

Potential Theme 4

- Innovations In Environmental Systems
  - Small Animal tie-ins to environmental systems (ex. health of reptiles and amphibians are a reflection of water quality)
  - Farm to Fork
  - Sustainability
  - Pollution
  - Weather pattern studies
  - Energy systems related to environment systems (solar, winds, etc.)

Potential Theme 5

- Robotics Academy
  - Partnership with Robotics industry
    - NASA
    - National Robotics Engineering Center
  - Robotics Team
    - Partner with Community
    - First Lego League
  - Scaffold Robotics Instruction
    - Integrated into core instruction
  - Coding Lab

Potential Theme 6

- Academy of Agricultural Sciences
  - Culinary Arts/School Restaurant
  - Ag Sciences (agriculture, horticulture, aquaculture, food science, animal born illnesses, etc.)
  - Bio Ag (GMO's, biofuel)
  - Forestry, Fisheries, Wildlife
  - Tourism
  - Parks & Recreation
  - Farm to Fork
  - Sustainable energy
  - Soil Studies/Weather patterns

Potential Theme 7

- Urban Planning
  - City Design & Development
  - Infrastructure including housing, transportation, roads, utilities, parks, zoning, etc.)
  - Workforce Development/Economic Planning
  - Policy Development
  - Civil Engineering/Architecture

Potential Theme 8

- Academy of Multimedia Arts & Communications
  - Journalism
  - Digital Animation/3D Modeling/Game Design
  - Video Production/Broadcasting
  - Social Media Platforms
  - Marketing
  - Global Art Digital Museum (student run)
  - Scientific Illustration & Visualization

Potential Theme 9

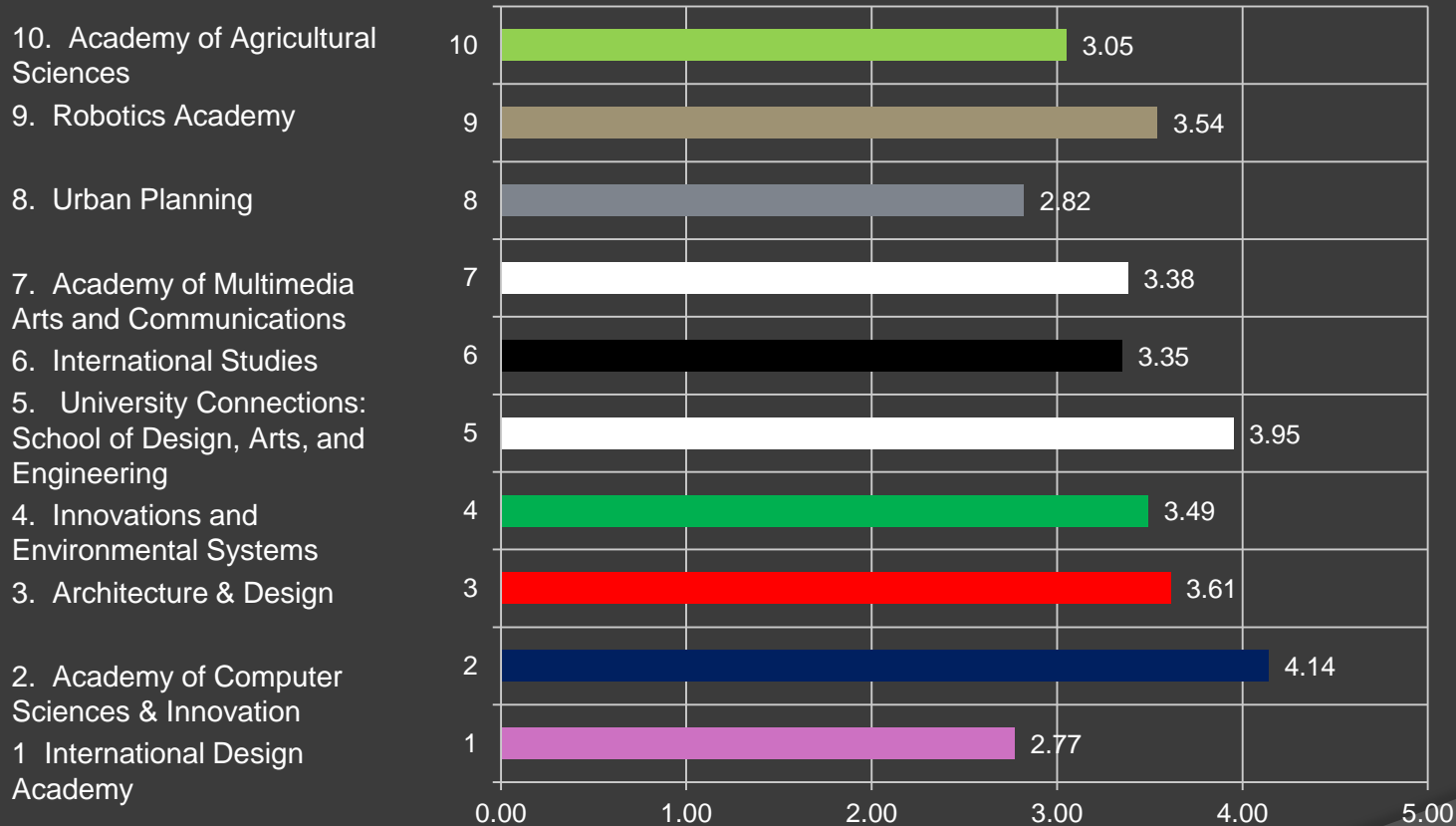- International Studies (like Wiley)
  - Year-long concentrated study with 1 of 5 World Languages
  - Internationally focused electives
  - Up to 8 elective opportunities per year
  - Units of study include world investigations, global perspectives, communication of ideas, local and global action across all content areas
  - Travel Opportunities

Potential Theme 10

- University Connections: School of Design, Art and Engineering
  - Design: Graphic, Fashion, Architecture
  - Arts: Visual & Performing (including theater, culinary (Prostart), choir, dance, band, communications/broadcasting
  - Engineering: Network, Coding, Robotics, Mechanical, Civil, Biomedical, Aerospace, Electrical, Engineering Design Principles

The following themes have been suggested as possible magnet programs in the future. Please indicate your level of interest in each of themes. (1=Not Interested at all; 5=Very Interested)

Rating Average

Label	Rating
10. Academy of Agricultural Sciences	3.05
9. Robotics Academy	3.54
8. Urban Planning	2.82
7. Academy of Multimedia Arts and Communications	3.38
6. International Studies	3.35
5. University Connections: School of Design, Arts, and Engineering	3.95
4. Innovations and Environmental Systems	3.49
3. Architecture & Design	3.61
2. Academy of Computer Sciences & Innovation	4.14
1 International Design Academy	2.77

5,168 total respondents; 95.38% of respondents are current WCPSS Parents

Gallery Walk

- Pick one of the 10 themes to start at
- 2 minutes at each possible theme
- Write on the Chart Paper:
  - ideas you would like to be considered
  - parts that you would like to change
  - questions that you have
  - additions you would like to make

MSAP Grant 2017-22 Timeline:
Writing the next grant proposal

- October 2016: MSAP Grant Schools presented to BOE
- November 2016: MSAP 2017-22 grant schools approved by BOE
- December 2016: Bring potential magnet themes to BOE for discussion
- October-January: Continue to market old magnet themes as we write and build new magnet themes
- January-March: Grant regulations released by US Department of Education
- December 2016-Spring 2017: Work with MSAP Candidate Schools to develop themes and write the grant
- Spring 2017: Edit grant
- Spring 2017: Submit grant
- Spring 2017: Big roll out of new themes to the district to recruit for fall of 2017
- September 2017: Grant Award Notification
- October: Major recruiting and marketing of new magnet themes for the 2017 magnet fair