Breakout Session TWO  
Friday, April 24 (11:20 AM – 12:35 PM)

Building Up STEAM!

At Golfview Elementary Magnet School, students are becoming 21st Century Learners and Leaders through the use of an integrated, standards-based curriculum that also infuses the five elements of STEAM. This presentation for administrators and educators will showcase the development of a program that promotes exciting and innovative pathways to science, technology, engineering, the arts, and math while also promoting character education. Participants will learn how the Leadership Team at Golfview fine-tuned the focus areas of the STEAM program to include the creation of a fully stocked and functional aviation simulation lab, the use of engineering design at both the primary and intermediate levels, an Onyx theater to support the integration of the Arts, the implementation of AVID Elementary and the Highly Effective Teaching model, and the purchase of sets of iPads for primary classrooms and Chromebooks for every intermediate student.

Additionally, a guide for developing STEAM lessons that allow children to reach their full potential as 21st Century Learners and build the skills necessary for them to develop as our next generation of leaders will be outlined. Samples of student work and presentations will be showcased throughout the presentation. Finally, participants will gain a deeper understanding of the importance of enlisting support via business partners, community groups, and local experts to enhance the delivery of instruction and provide real-world experiences. Tips for initiating, securing, and sustaining these vital partnerships will be shared.

Terri Moeller, Principal  
LeeAnne Herold, Coordinating Teacher  
Debi Pringle, Magnet Coordinator  
Elizabeth Wallace, Title I Coordinator

Golfview Elementary Magnet School  
Brevard Public Schools - Rockledge, FL

Grade Level(s): K-12  
Target Audience(s): Teachers, School Administrators  
Theme(s): Leadership/Character Education, Science, Technology, Engineering, and Mathematics (STEM) or Science, Technology, Engineering, Arts, and Mathematics (STEAM)

Growing 21st Century Learners (Curriculum & Instruction)

LOCATION: 305a
Breakout Session TWO
Friday, April 24 (11:20 AM – 12:35 PM)

Create an IB Culture: Make the Vision a Reality

Does your high school include a whole-school IB Middle Years and an IB Diploma Programme? Our presentation will address two fundamental challenges whole-school Middle Years and Diploma Programmes face. The first is to create and maintain a whole-school IB culture where all students feel invested in and engaged with the pedagogy and expectations of an IB curriculum, including criteria-referenced assessment, student-centered learning and international mindedness. The second is constructing an MYP programme that prepares large numbers of students for the Diploma Programme and provides a culture and an incentive that will encourage wide-spread participation in the Diploma Programme.

Loren Baron, IB Diploma Programme Coordinator
Jessica Collins, IB Middle Years Programme Coordinator

Millbrook High School
Wake County Public School System - Raleigh, NC

Grade Level(s): 6-12
Target Audience(s): Teachers, School Administrators, District Administrators
Theme(s): International Baccalaureate

Considering Our Challenges (Magnet School Design, Sustainability)

LOCATION: 301b
Creative Recruitment Through a Summer Adventure Camp

Discover how one middle school campus was faced with this same dilemma and how it was able to successfully implement a city-wide Summer Adventure Camp that infused both its media arts magnet theme and STEM curriculum. This camp allowed the parents, community, and students of Galveston Island the opportunity to explore Weis Media Arts and Technology Preparatory Academy at Central Middle School as an option for the Schools of Choice initiative by engaging 85 students from 11 schools across the city.

The school is in the second year of the MSAP grant as part of the district’s APEX (Academic Programs for Equity & Excellence) program.

Presenters will guide you through the steps necessary to implement an effective camp at your campus by sharing its strategic process of planning, communication, and evaluation. Participants will leave with impactful strategies, resources, and ideas. In addition, they will learn how to harness the district’s resources and community partnerships for additional support and collaboration.

Stephanie Wilcox, Magnet Coordinator
Toni Pearson, Technology Coach

Weis Media Arts and Technology Preparatory Academy
Galveston Independent School District - Galveston, TX

Grade Level(s): 6-12
Target Audience(s): School Administrators, District Administrators
Theme(s): Career Tech, Science, Technology, Engineering, and Mathematics (STEM) or Science, Technology, Engineering, Arts, and Mathematics (STEAM)

Leadership for New Schools (Leadership)
Considering Our Challenges (Magnet School Design, Sustainability)
Your School Community (Community Relations)

LOCATION: 306c

As Early Colleges have come to the forefront of the National Agenda in creating college and career ready citizens, this presentation will discuss the full Early College Experience. From the creation and design, to some of the overarching questions, this presentation will show some highlights and learning curves of an Early College Model blended with a large university. Answering questions such as: where do we start? who are all the players? what roles does everyone play? what role do students have in their academic choices? will they all be college ready? This presentation will give a real time view as Wake STEM Early College High School enters its fifth year. Attendees will come away with information and documents that can assist with guiding the implementation of a program, setting up structures, and overall hints and tips from those who have been in the trenches.

David Schwenker, Principal
Linda Brannan, Career Development Coordinator
Ryan Haymore, Dean of Students

Wake STEM Early College
Wake County Public School System - Raleigh, NC

Grade Level(s): 6-12
Target Audience(s): Teachers, School Administrators
Theme(s): Science, Technology, Engineering, and Mathematics (STEM) or Science, Technology, Engineering, Arts, and Mathematics (STEAM)

Leadership for New Schools (Leadership)
Growing 21st Century Learners (Curriculum & Instruction)
Considering Our Challenges (Magnet School Design, Sustainability)
Your School Community (Community Relations)

LOCATION: 305b

Elementary Engineers

This is an overview of the program, Engineering is Elementary, which is created by the Boston Museum of Science. Each unit includes the story of a child in a different country, and allows students to solve real-world problems. Students then explore various activities that promote an understanding of different fields of engineering and the Engineering Design Process. Maloney Magnet School integrates this program into our English Language Arts, Science, and Multicultural Curriculum.

Erin Fogarty, 2nd Grade Teacher
Erika Lanza, 3rd Grade Teacher

Maloney Interdistrict Magnet School
Waterbury Public Schools - Waterbury, CT

Grade Level(s): K-5
Target Audience(s): Teachers, School Administrators, District Administrators
Theme(s): Science, Technology, Engineering, and Mathematics (STEM) or Science, Technology, Engineering, Arts, and Mathematics (STEAM)

Growing 21st Century Learners (Curriculum & Instruction)

LOCATION: 301a
Breakout Session TWO
Friday, April 24 (11:20 AM – 12:35 PM)

Equal Access to Educational Resources: a Civil Right

Sixty years after the Supreme Court declared in *Brown v. Board of Education* that public education “is a right which must be made available to all on equal terms,” the U.S. Department of Education (ED) continues to partner with educators to ensure equity in education so that all students can succeed in school, careers, and in life. ED’s Office for Civil Rights (OCR) released in October 2014 guidance about ensuring that students have equal access to educational resources without regard to race, color, or national origin.

This session will help educators, administrators, and advocates understand exactly what federal civil rights law requires in providing students with access to challenging coursework, academic programs, extracurricular opportunities, quality teachers, leaders, staff support, facilities, technology, and instructional materials. OCR’s guidance is one part of ED’s larger equity agenda, including the recently announced Excellent Educators for All Initiative which will help states and school districts support great educators for the students who need them most and help advance the ongoing efforts of states, school districts, and schools to improve equity.

Richard Foster, Supervisory General Attorney
Mary Hanna-Weir, Senior Attorney, MSAP Coordinator

*Office for Civil Rights
U.S. Department of Education
Washington, DC*

**Grade Level(s):** PreK-12  
**Target Audience(s):** ALL Groups

**Leadership for New Schools (Leadership)**  
**Engage! Encouraging Parent-advocates (Advocacy, Engagement Strategies, Models for Parent Leadership)**  
**Growing 21st Century Learners (Curriculum & Instruction)**  
**Anticipating the Future (Staffing - Growing Magnet Teachers)**  
**Considering Our Challenges (Magnet School Design, Sustainability)**  
**Your School Community (Community Relations)**

**LOCATION:** 402
Breakout Session TWO  
Friday, April 24 (11:20 AM – 12:35 PM)

**Integration, Inquiry, and Ownership of Learning**

This workshop will engage participants in exploring their vision of transformative education and what tools and resources they currently have to begin pushing the envelope for how to increase student-driven inquiry, personal projects, personalized learning, and student choice and voice within their given curriculum frameworks. Wildwood's Next Generation Curriculum model of student-designed integrated units will be described. Participants will have the opportunity to "experience" this model as students and to plan how they might use it to advance their own work in their respective settings.

*Mary Cunat*, Principal  
*Aubrey Barnett*, Curriculum Consultant - Wildwood,  
*Monica Balen*, IB Coordinator

**Wildwood IB World Magnet**  
*Chicago Public Schools - Chicago, IL*

**Grade Level(s):** K-8  
**Target Audience(s):** Teachers, School Administrators  
**Theme(s):** International Baccalaureate

**Growing 21st Century Learners (Curriculum & Instruction)**

**LOCATION:** 303

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**Magnificent Magnets Discovery Education Panel**

Hear how magnet school leaders from *BioTECH @ Richmond Heights 9-12*, *Charlotte-Mecklenburg Schools* and *Wake County Public Schools* are making a difference for their students by nurturing learning environments that encourage innovation, experimentation and real-life application.

*Carol Wetzel*, Senior Director, Urban/Suburban Educational Partnerships – Discovery Education, MD  
*Jackie Barone*, Principal, Piedmont Open IB Middle School – Charlotte-Mecklenburg Schools, NC  
*Chris Clark*, 6th Grade Science Teacher, Piedmont Open IB Middle School – Charlotte-Mecklenburg Schools, NC  
*Daniel Mateo*, Assistant Principal, BioTECH @ Richmond Heights 9-12 – Miami-Dade County Public Schools, FL  
*Susan O’Connor*, MSAP Grant Project Coordinator & Curriculum Support Specialist, BioTECH @ Richmond Heights 9-12 – Miami-Dade County Public Schools, FL  
*Muriel Summers*, Principal, AB Combs Leadership Magnet – Wake County Public School System, NC  
*Leslie Taylor*, Principal, Wiley International Studies Magnet Program – Wake County Public School System, NC

**Grade Level(s):** K-12  
**Target Audience(s):** Teachers, Parents, School Administrators, District Administrators, ALL Groups  
**Theme(s):** Career Tech, International Baccalaureate, Language & Cultural Immersion, Leadership/Character Education, Science, Technology, Engineering, and Mathematics (STEM) or Science, Technology, Engineering, Arts, and Mathematics (STEAM)

**Leadership for New Schools (Leadership)**  
**Growing 21st Century Learners (Curriculum & Instruction)**  
**Anticipating the Future (Staffing - Growing Magnet Teachers)**  
**Considering Our Challenges (Magnet School Design, Sustainability)**  
**Your School Community (Community Relations)**

**LOCATION:** 304
**Breakout Session TWO**  
**Friday, April 24 (11:20 AM – 12:35 PM)**

**Movin' and Groovin' with Academics through Arts Integration**

Come and discover a simple framework for 21st Century Learners which promotes essential skills for your students' success in today's world. One will gain a better understanding of how arts integrated activities help students master Common Core standards and develop essential skills such as critical thinking, problem solving, communication and collaboration. In this hands-on, interactive session, you will learn how to engage students in eclectic ways to ensure that everyone is involved in the creative process while developing critical thinking and social skills critical for 21st Century outcomes.

Noi Mills, Magnet Lead Teacher  
Nancy Perry-Scott, Magnet Teacher  
*The Dufrocq School*  
*East Baton Rouge Parish School System - Baton Rouge, LA*

**Grade Level(s):** K-5  
**Target Audience(s):** Teachers, Parents, School Administrators, District Administrators, ALL Groups  
**Theme(s):** Fine & Performing Arts, Montessori  

**Growing 21st Century Learners (Curriculum & Instruction)**  

**LOCATION:** 306a

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**Screaming Your Theme through Community Schools**

Sarah Moore Greene continues to rebuild its magnet program following a change of theme. This year brought new administrators with experience building and sustaining a strong community schools program. Find out how the community schools format is helping to attract students, improve academics, and strengthen community bonds. Through the community schools program students choose a club that relates to media and communications. A variety of clubs taught by a combination of community partners and trained staff is expanding magnet programming and providing significant exposure. We will share how we are allocating resources to make the community schools program a vibrant extension of our magnet program.

April Lamb, Magnet Facilitator  
Jessica Stafford, Assistant Principal - Sarah Moore Greene Magnet Academy, Knox County Schools  
*Sarah Moore Greene Magnet Academy*  
*Knox County Schools - Knoxville, TN*

**Grade Level(s):** K-5  
**Target Audience(s):** ALL Groups  
**Theme(s):** Communications  

**Growing 21st Century Learners (Curriculum & Instruction)**  
**Considering Our Challenges (Magnet School Design, Sustainability)**  
**Your School Community (Community Relations)**

**LOCATION:** 306b

**MSA Raleigh 2015 | Legacy of Leading in Diversity, Equity, and Choice | Raleigh Convention Center, North Carolina**
Breakout Session TWO  
Friday, April 24 (11:20 AM – 12:35 PM)

Service Learning: Connecting the Classroom to the Community  

Parent involvement is a critical key to improving student morale, attitudes and academic success across all content areas and demographics. Parent University events allow for full partnerships with parents and schools by equipping families with new or additional skills, knowledge, resources and confidence. Parent University events in lieu of curriculum nights connect parents with school and community resources to help them raise students who are both academically and socially successful. Participants will learn key strategies for developing a Parent University event tailored to the needs of their learning community, understand how to use student data to create parent activities, access resources and provide additional skills to families. Come learn unique strategies for using your school’s data as a tool to reinforce or teach new skills and/or provide pertinent family resources.

Shelley Nixon-Green, Principal  
Kirsten Simpkins, Guidance Counselor - Magnet Coordinator

Penn-Griffin School for the Arts  
Guilford County Schools - High Point, NC

Grade Level(s): K-12  
Target Audience(s): ALL Groups

Engage! Encouraging Parent-advocates (Advocacy, Engagement Strategies, Models for Parent Leadership)  
Your School Community (Community Relations)

LOCATION: 302b

Teaching the Common Core  

Join the staff of the National Paideia Center along with representatives from Brooks Museum Magnet School in an active session where you will participate in a model Paideia Seminar that illuminates how to use dialogue to deliver the entire range of Common Core literacy skills.

Terry Roberts, Director

National Paideia Center  
Asheville, NC

Grade Level(s): K-12  
Target Audience(s): ALL Groups  
Theme(s): Communications

Growing 21st Century Learners (Curriculum & Instruction)

LOCATION: 302c
Breakout Session TWO
Friday, April 24 (11:20 AM – 12:35 PM)

Web Tools that Enhance Instruction
Chesapeake STEM Academy is a comprehensive magnet high school offering eleven academic pathways within four STEM Academies of study. The school's mission is focused on enhancing 21st century skills that produce graduates that are prepared for post-secondary education and the global workforce. This is acquired through a rigorous application of instructional initiatives such as Web 2.0 tools, Bring Your Own Device, virtual learning, and a unique approach to STEM education. An ongoing professional development model reflecting this focus has also been implemented. This hands-on session will explore practical applications for how to implement similar initiatives in your school.

Corri Roche, STEM Coordinator/Science Chair
LJ Foust, Multimedia/Broadcasting Teacher
Shawn Norton, Social Studies Department Chair

Chesapeake STEM Academy
Baltimore County Public Schools - Baltimore, MD

Grade Level(s): 6-12
Target Audience(s): ALL Groups
Theme(s): Science, Technology, Engineering, and Mathematics (STEM) or Science, Technology, Engineering, Arts, and Mathematics (STEAM)

Growing 21st Century Learners (Curriculum & Instruction)

LOCATION: 302a