

Kennedy Middle School STEM Partial Magnet

2015-2016



Purpose - Why are we here

The goal of tonight's presentation is to:

- Learn about daily life at Kennedy Middle School and school specific offerings
- Define middle grades STEM
- Discuss how the STEM magnet program will be infused into the school curriculum
- Questions



MYTHS



Reality



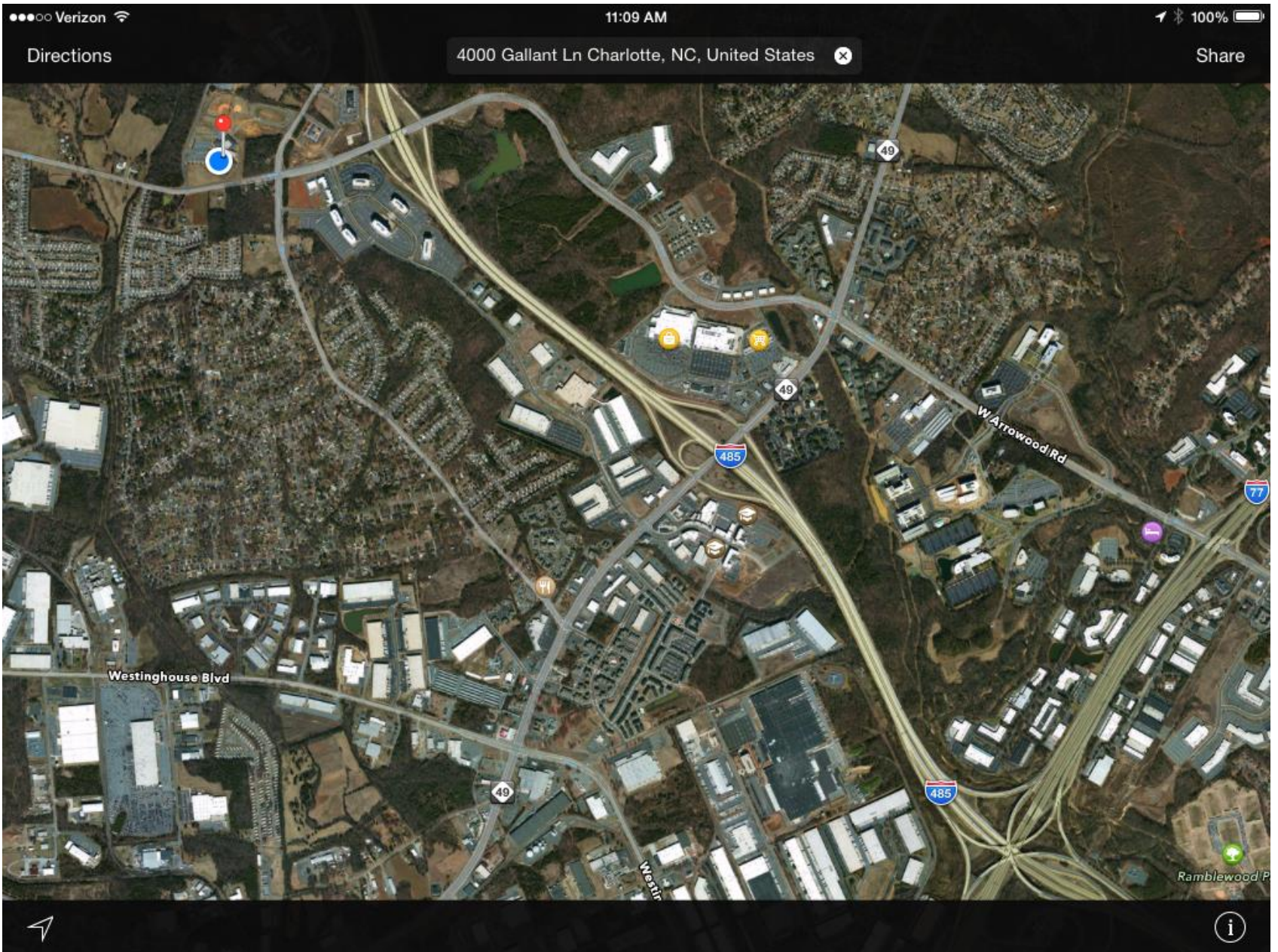
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REACH FURTHER.
Global competitiveness starts here.

Quick Facts

- Grades 6-8
- 8:45-3:45 school (Students can enter at 8:15)
- Current enrollment: 720 students
- Expected 2015-2016 enrollment: 800 students
- Diverse school setting: 30% Hispanic, 40% AA, 20% White and 10% other
- 1:1 early adopter school - Chromebooks
- Personalized Learning focus
- Elective Offerings: Automation and Robotics, Design and Modeling, Computer Science, Band, Orchestra, Art, Chorus, Fitness, PE, Spanish
- 45 Teachers and 20 additional staff
- Uniform School – Khaki or Navy bottoms – White or Navy polo shirts



Location



Educational Pillars/Beliefs of Kennedy

- Create a safe and orderly learning environment
- Place an emphasis on developing the whole child
- Focus on instructional best practices and create a learning environment that includes a STEM curriculum and Personalized Learning within a 1:1 setting



Safe and Orderly Environment

- Student opportunities to misbehave are limited
- Bullying is taken seriously with interventions and disciplines applied
- No lockers
- Restroom escorts
- Dean of Students and AP for all discipline
- Culture/Climate focus on order



Developing the whole child

- Learning experiences through PL time (Video Game Design, Coding - HTML, Fence Art, Book club, Debate, Poetry Slam, Fantasy Football)
- Spelling bee, Student Council, Yearbook, News with green screen
- Pep band, jazz band, dance club
- Google Chrome Squad
- TSA - Technology Student Association and robotics



Schedule

- Core classes (Math, LA, Science, and SS) meet for 60 minutes everyday
- Elective classes meet for 60 minutes every other day (A day / B day) - semester and year long electives
- PL Time - 90 minutes a day
 - Flexible grouping
 - Interest grouping
 - Learning experiences
 - Enrichment / Remediation



Instruction - Personalized Learning

- Instruction is based on student's ability level
- Teaching the same thing at the same time to an entire class 100% of the time is not best practice
- Learning Pathways - Instructional models designed for different level learners
- 1:1 - Full implementation of Chromebooks
- Instructional platform - Google Classroom



What is STEM?

- Science, Technology, Engineering and Mathematics
- Life sciences, physical sciences, mathematics, statistics, computing, engineering and technology
- STEM in the middle school setting
 - Expose students to a variety of STEM activities, high schools, businesses and careers
 - Provide students with background knowledge in various themes and operating systems (Coding, Green Screen, IOS, Win systems, Chrome)



Specifics of the STEM program at Kennedy

- 75 seats for rising 6th graders in 2015-2016
- Magnet Lottery selection process
- Must have scored a level III or higher on the 2013-2014 Math EOG
- Inclusion into established STEM options at Kennedy
 - Chrome Squad, Green Screen, 1:1, PL, TSA, Coding Experience, Video Game Design
- Access to STEM field trips
- Priority to STEM elective offerings
 - Design, modeling, automation, robotics, computer science and additional '15-'16 courses



Questions

