

Lakewood Middle School

“Preparing our students for high school and beyond”



February 17th 2016



Preparing Students For High School



February 2016

- Meetings with Department Coordinators and staff members to discuss new course offerings
- High School presentation to 8th graders introducing Career Academies
- 8th Grade students introduced to High School Principal and Guidance Counselors
- 8th Grade Students given Career Inventory Assessment in Language Arts Classes
- Applying for Horticulture and Robotics Grants while researching other options for funding
- Quality Summary Survey given to staff members, data analyzed and 2016-2017 School Improvement Plan planning begins



New Courses 2016-2017



8th Grades will take a semester of each course as part of career planning and high school prep:

Coding, Robotics, Horticulture, Journalism



STEM (Science, Technology, Engineering and Mathematics)



2015-2017 –Coding Class

- All Middle School students participated in the week of Code December 2015
- Many students interested in learning more about coding and computer science
- Programming encourages students to practice logical thinking, analysis, spatial reasoning, making connections, and using the trial-and-error method for problem solving.
- Fastest growing career fields
- In the process of creating curriculum
- Late February visiting nearby schools with Coding programs to help establish ours



STEM (Science, Technology, Engineering and Mathematics)



2015-2017 –Robotics Class

January 2016 applied for:

- Goldenrod Research Corporation's *YouthTouch S.T.E.M.* Grant

February 2016

- Awarded Grant in the amount of \$9,850

Begin to Plan Curriculum to:

- Support common core standards.
- Give students learning activities and integrate with the existing curriculum.
- Challenge students emotionally and physically, as well as intellectually.
- Appeal to multiple intelligences and stimulates active learning.
- Prepare students for 21st Century Skills and Career Planning.
- Design program for General Education and Special Education Students
- Partnership with Stevens Institute of Technology – Hands on lessons/experiments



STEM (Science, Technology, Engineering and Mathematics)



2015-2017 – Horticulture Class

☐ February 2016

- Applying for a Rutgers Cooperative Extension grant to
- Provide vertical gardens at the middle school 6th grade class.
- Grant will provide all the equipment, training with Horticulture specialist as well as a real garden in classroom
- Get support throughout the project Master Gardeners as well as a couple of nutrition lessons provided by Rutgers.
- Applying for \$7,500 HIPP Grant to build an outdoor Community Garden
- Students to learn about job readiness skills, responsibility
- Curriculum aligned to the Common Core Standards
- Partnership with Ocean County Park Services
- Learn the problems that face the aquatic ecosystems in and around the lake at The Beach Complex on Lakewood. – Determine ways to fix problems



STEM (Science, Technology, Engineering and Mathematics)



2015-2017 –Journalism Class

☐ February 2016

- Researching Curriculum aligned to CODE X and Common Core Standards
- Create a Lakewood Middle School Newspaper
- Students to create a standards-based project in which they access, organize, analyze, interpret, and synthesize information.
- The student evaluates and improves his or her work through revision and reflection.
- The student uses interaction with others, experiences, research, and technology as sources of knowledge, ideas, perspectives, and inquiry
- Interdisciplinary Content learned, Math, Social Studies, Language Arts
- The student actively participates in service to the school and community, recognizing the necessity for and the rewards of public service
- Career and College Readiness, 21st century skills
- Expose students to the world around them
- Get students excited about writing

