



East Lake Middle School Academy of Engineering

SIP 2015-2016

Executive Summary



East Lake Middle School Academy of Engineering has 396 students enrolled in grades sixth through eighth, one administrator, one guidance counselor, 22 instructional employees and three additional staff members. The mission at ELMS AOE is to prepare all students to be college and career ready and have the skills to compete in a global society. To accomplish this mission, ELMS AOE has nine goals:

- 1) 100% of students will be proficient in finding textual evidence as measured by the FSA in Spring 2016.
- 2) By June 2016, 80% of students will score a 3.5 or better on the FSA Writing Assessment. Write Score will be an average of 5.5
- 3) During the 2015-16 school year, 100% of our students will be achieve grade level expectations on the mathematics portions as measured by the Florida Standards Assessment
- 4) 8th grade- All (100%) eighth grade students will achieve a 3.0 or higher on the 2016 Spring Science FCAT.
6th and 7th graders- All sixth and seventh grade students will achieve mastery (80%) on the quarterly Performance Matters assessments during the 2015- 2016 school year.
- 5) ELMS Academy of Engineering is a STEM school. Every class, every day provides STEM opportunities or relates materials back to Science, Technology, Engineering or Math. Students will increase their understanding of real word connections between math, science and engineering. 80% of all engineering students will score 70% or higher on the end of course assessment.
- 6) 100% of students are enrolled in an engineering course. There are also 2 additional courses that are offered in business education.
- 7) All students pass the EOC with a "C" or better. All students in Social Studies classes will use DBQ's in their curriculum and be familiar with comparing and contrasting text.
- 8) ELMS will build positive relationships with families and local businesses in the community. Work towards 5 star recognition.
- 9) Work toward Bronze Level recognition with the Alliance for a Healthier Generation. Bronze Level in 0 out of 6 of the HSP Assessment Modules

The core instructional strategies included in our action plans are:

- Differentiated instruction including: the teachers will design rubrics or scales from the lesson's goals. Using the Depth of Knowledge Levels or Marzano's Art and Science of Teaching Frameworks, the teacher progresses from helping students with new knowledge to helping students generate and test hypothesis. As a result there is an increasing the level of rigor in the classroom.
- Continuation of school-wide Cornell notes, marking the text and close reading of complex text.
- Writing opportunities in all classes; using claims and evidence, DBQs, research and inquiry

- School-wide use of AVID strategies and staff professional development to promote learning for all learners. Organizational skills taught and reinforced in all classes.
- Technology-embedded lessons and learning activities
- Hands-on STEM learning incorporated into all subjects
- All students in need of remediation will be invited to Extended Learning Opportunities. This will include students that score in “red zone” on specific benchmarks through cycle test. Data will be analyzed and shared with students and parents/guardians.
- Weekly school-wide academic vocabulary lessons

The parent involvement efforts include:

- Continue to build and develop relationships through SAC, PTA and local businesses
- Communicating updates through monthly newsletters, remind 101, monthly meetings

For more information about East Lake Middle Academy of Engineering’s School Improvement Plan, please go to our website at:

<http://www.pcsb.org/eastlake-ms>