East Lake Middle School Academy of Engineering SIP 2014-2015

Executive Summary

East Lake Middle School Academy of Engineering has 396 students enrolled in grades sixth through eight, two administrators, 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 eight goals:

1. 100% of students will be proficient in finding textual evidence as measured by the FSA in Spring 2015.
2. 90% of students will score a 3.5 or better on the writing test.
3. During the 2014-15 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 eighth grade students will achieve a 3.0 or higher on the 2015 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 2014- 2015 school year. All students will be proficient in grade level science expectations.

1. Every class every day will provide STEM opportunities or relates materials back to Science, Technology, Engineering or Math.
2. 100% of students are enrolled in an engineering course.
3. All students pass the seventh grade Civics 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.
4. ELMS will build positive relationships with families and local businesses in the community

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.
* Implementation 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
* Technology-embedded lessons and learning activities
* Hands-on STEM learning incorporated into all subjects
* All students in need of remediation, will receive an extra 40 minutes a week in a small group setting with a math or reading teachers
* 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>