

**Lighthouse School Improvement Plan Name of School:
Jacksonville Lighthouse Charter Schools: Main Campus
Science Goal Statements (Include your data analysis)**

Goal Statement 1: By June, 35% of J LCS scholars will be proficient or exceeding on ACT Aspire science assessments. In 2018, the overall percent of science proficiency was 23%. 223 scholars took the science assessment. 8% (17 scholars) were exceeding, 15% (33 scholars) ready, 24% (53 scholars) close, and 54% (120 scholars) in need of support. By increasing science scores, all areas of the 2019 ESSA report (Achievement and Growth) will increase.

Goal Statement 2: By June 2019, overall science student growth percentile average will increase to 50%. The science average student growth percentile for 2018 was 40.65%.

Evidence –based initiative/Interventions or strategy specific to the improvement efforts and support needed for implementation (Include timelines for each initiative/intervention or evidence based strategy)

1. Teachers will execute hands-on interactive science lessons 2-3 times per week.

- Plan PD for curriculum and lab planning – June-August 2018
- Provide PD training – July/August 2018
- Provide planning time – July/August 2018
- Teachers instruct using strategies in classrooms – ongoing
- Admin observations/feedback sessions – ongoing
- Quarterly review of ACT ASPIRE Science Data for instructional purposes and tracking – Quarterly 1st, 2nd, 3rd, 4th

2. Teachers will create pre/post assessments for science NGSS content and skills.

- Plan PD for interpretation of NGSS standards and test design utilizing Webb’s Depth of Knowledge – June 2018
- Provide PD training – July/August 2018
- Provide planning time – July/August 2018
- Teachers instruct using strategies in classrooms – ongoing
- Admin observations/feedback sessions – ongoing
- Quarterly review of ACTASPIRE Science Data for instructional purposes and tracking – Quarterly 1st, 2nd, 3rd, 4th

3. Scholars will practice science skills with technology based programs.

- Moby Max
- The Learning Blade

Expected Outcomes and Improvements or gains by implementing this evidenced based initiative, intervention or strategy:

- Shift of at least 26 scholars from Close and/or In Need of Support to Ready.
- Increase in (SGP) in all grade levels.
- An increase in the number of scholars performing on or above grade level based upon ACT Aspire Interim and Summative science assessment.
- A higher interests in science and STEM activities.
- Scholars will have a greater ability to analyze data, process information, and problem solve.