

Lighthouse School Improvement Plan Name of School: Jacksonville Lighthouse
Charter Schools: Flightline

Mathematics Goal Statements (Include your data analysis)

Goal Statement 1: By June 2019, 60% of Flightline scholars will be Proficient on the Math ACT Aspire. In 2018, 76 out of 141 scholars or 54% of the total population scored Proficient on the ACT Aspire in Math. By moving 11 of the Close scholars or new scholars that did not take the ACT Aspire, we will meet our goals. By increasing mathematics scores, all areas of the 2019 ESSA report (Achievement and Growth) will increase.

Goal Statement 2: By June 2019, the Student Growth Percentile rate for the school in Math will exceed 60%, up from 53% in 2018 and 57% in 2017. The increases in SGP will lead to an increase in overall ESSA score.

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. A quality RTI program will be designed during Summer PDI that focuses data or mathematics skills scholars continue to struggle on. Pre/Post assessments will be created to track scholar progress.
 - Research effective RTI materials – June/July 2018
 - Create RTI groups – June/July 2018
 - Identify the 11 scholars for Math
 - Identify skills – June/July 2018
 - Create lessons/activities – July/August 2018
 - Create pre/post assessments – July/August 2018
 - Implement RTI – September 2018
 - Data Review – Weekly
 - Assess Program – Mid Year
 - Make adjustments – January 2019
 - Continue Cycle – January-May 2019
 - ELO Program through DoDEA- October 2018

2. Implement school computer based math program academic challenge.
 - Research effective computer based math programs – May/June 2018
 - Purchase program - June 2018
 - Enroll scholars into program – July 2018
 - Work with group of teachers to design math challenge – July 2018
 - Recruit local community members for prizes for scholars – July 2018
 - Train scholars on program – July/August 2018
 - Kickstart Assembly- August 2018
 - Use NWEA scores to create Individualized Programs- September 2018
 - Weekly, Monthly, Quarterly Incentives – Ongoing
 - Teachers assign focus skill activity based off of scholar needs – Weekly
 - Teachers and PAL review data - Monthly
 - Math Challenge Year end Prizes Assembly June 2019

3. Utilize Math Curriculum and differentiated math stations to support all scholars.
 - Purchase Curriculum – June 2018
 - Plan PD around curriculum and differentiated math stations – June 2018
 - Train teachers on Curriculum – July/August 2018
 - Train teachers on differentiated math stations – July/August 2018

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- Teachers instruct using curriculum/differentiated math stations – ongoing
- Admin observations/feedback sessions – ongoing
- Additional training – as needed
- Training will be provided by the LHA State Math Interventionist- July 2018 and Ongoing

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

- An increase in the number of scholars performing on or above grade level based upon NWEA and ACT Aspire data.
- Efficiency in mathematical fluency.
- Increase in usage of mathematical problem solving strategies.
- More individualized instruction geared at meeting scholars at their academic needs.
- Increase in being able to use math in the real-world