

Lighthouse School Improvement Plan Name of School: Jacksonville Lighthouse
Charter Schools: College Preparatory Academy

Science Goal Statements (Include your data analysis)

Goal Statement 1: By June 2019, JLCS scholars will improve academic achievement through increasing the Student Growth Percentile (SGP) in science for all grade levels:

7th = 49% SPG to 55% SGP

9th = 45% SPG to 50% SGP

8th = 28% SPG to 35% SGP

10th = 31% SPG to 38% SGP

Goal Statement 2: By the end of the 2018-2019 school year, we will increase the percentage of scholars scoring Ready or Exceeding on the ACT Aspire for all grade levels:

7th 24% to 30%

9th 18% to 25%

8th 13% to 20%

10th 17% to 25%

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. 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. During Summer PDI, a quality Response to Intervention (RTI) program will be designed to detect early identifications and support scholars with deficient mathematics skills.

- Researched and effective RTI materials – June/July 2018
- Create RTI groups – June/July 2018
- Identify skills – June/July 2018
- Create lessons/activities – July/August 2018
- Create pre/post assessments – July/August 2018
- Implement RTI – September 2018
- Data Review – Bi-Weekly
- Assess Program – Mid Year
- Make adjustments – January 2019
- Continue Cycle – January-May 2019

2. Implement Summit Learning in 8th Grade Science

- Provide Summit Learning Mentoring and Outcomes training to administration and 8th grade teacher - June 2018 through July 2018
- Unpacking Project and Personalized Learning
- Rolling out Designing Learning Experiences
- Introduction to Mentoring : The Connecting Check-In (for administration)
- Identifying, Understanding, and implementing The 16 Habits of Success
- Administration and Teacher establish The Commitments to facilitate the creation of an environment conducive to change
- Unpacking the Cognitive Skills, Curriculum, and Assessments
- Identifying the English Instructional Routines
- Observations, Feedback, Checkpoints

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3. Utilize NGSS and differentiated science stations.

- Purchase Curriculum – June 2018
- Plan PD around curriculum and differentiated science stations – June 2018
- Train teachers on Curriculum – July/August 2018
- Train teachers on differentiated Science stations – July/August 2018
- Teachers instruct using curriculum/differentiated NGSS – ongoing
- Admin Classroom Walk Thru (CWT), observations, relevant and actionable feedback sessions – ongoing
- Additional training – as needed

4. Teachers will create pre/post assessments for science 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
- Student-Led Data Analysis Shares- Monthly
- Quarterly review of ACT ASPIRE Science Data for instructional purposes and tracking (Interim assessments will be a good way to track data-grades)

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 ACT Aspire data
- More individualized instruction geared at meeting scholars at their academic needs
- Implement Restorative Approaches to increase scholars' daily attendance.
- A higher interest in science and STEM activities
- Increase scholars' daily attendance to substantially improve the likelihood of academic success
- Through EdReflect, team members will deepen their understanding and implementation of *Framework for Teaching (FfT)*