



**CAMPUS
CONTINUOUS IMPROVEMENT PLAN
SCHOOL OF SCIENCE AND TECHNOLOGY
SUGAR LAND**

Campus Number: 015831-005

2019-2020

10007 Clodine Road, Richmond, Texas 77407

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2018 Accountability Ranking: Not Available-First Year Campus

The summary of the outcome of the Comprehensive Needs Assessment

<i>Need #</i>	<i>DEMOGRAPHICS</i>
1.1	*We need dropout prevention strategies for at risk students*
1.2	*We need to identify, monitor, and address McKinney Vento (homeless) needs.*
1.3	*We need to identify, monitor, and address migrant students' needs.*

<i>Need #</i>	<i>STUDENT ACHIEVEMENT</i>
2.1	*We need interventionist and tutors especially for core subject areas*
2.2	*We need to utilize Special Education teachers and ESL support staff along with other services as needed to maximize the learning of all students*
2.3	*We need to ensure that all students are informed about college, career, military (CCMR) opportunities and Career Technical Education (CTE)*
2.4	We need counselors to help students deal with personal issues that may interfere with academic success.
2.5	Increase software usage
2.6	Instructional delivery culture and standards
2.7	Chromebooks for Special Population
2.8	*We need to implement and train staff in the identification of Dyslexia for all students to maximize their learning and achievement.*

<i>Need #</i>	<i>SCHOOL CULTURE & CLIMATE</i>
3.1	*Trainings and workshops are needed to minimize discipline and classroom management issues *
3.2	*There is a need to increase the number of students participating in physical activities to maintain physical wellbeing*
3.3	*Create School Culture and Climate teams (SCCT) to be led by Principal aligned with ESSA*

3.4	*All SST staff and students will be engaged, in multiple ways through the 11 Principles of Effective Character Education framework implementing a world-class education to discover their passions, unleash their potential, and to be successful and contributing members of their communities.
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<i>Need #</i>	<i>STAFF QUALITY, RECRUITMENT AND RETENTION</i>
4.1	*We need to find ways to increase our staff retention rate and reduce attrition.*
4.2	*We have many teachers with no experience and we need to help them through mentoring, workshops and professional development/trainings with ILT and professional learning communities (PLC)*Aligned with Equity Plan ESSA*
4.3	*We need to find ways to get our teachers certified through our STEP program and grants* Aligned with Equity Plan ESSA*
4.4	*We need to focus more on our teacher mentor program and restructure the areas that are not working by implementing our Instructional Leadership Teams (ILT)* Aligned with Equity Plan ESSA*

<i>Need #</i>	<i>CURRICULUM, INSTRUCTION, AND ASSESSMENT</i>
5.1	*Instructional leadership teams (ILT) and Professional Learning Communities (PCL) are needed to guide/train teachers for curriculum implementation and effective teaching* Aligned with Equity Plan ESSA*
5.2	*Elementary and middle school curriculum should support postsecondary success, College, Career and Military readiness (CCMR), and CTE which are a priority for our campuses.*
5.3	Central office support/instruction coaches/curriculum guidance
5.4	We need trainings and workshops to implement curriculum better

<i>Need #</i>	<i>FAMILY AND COMMUNITY INVOLVEMENT</i>
6.1	* District parental and family engagement policy must be evaluated and revised with parents.*
6.2	*Emphasize the effect of students' success with our families and involvement of parents in the review campuses from District level to ensure Parent Compacts are done.*

<i>Need #</i>	<i>SCHOOL CONTEXT AND ORGANIZATION</i>
7.1	*We need to create extra learning time for students at risk and low performing; such as after school and Saturday tutoring and summer school*
7.2	*Emphasize the effect of parental and family engagement in students' success to our families, with involvement of parents and community in the review and updating of the Parent and Family engagement policies and goals annually.*.
7.3	We need to create activities and events to increase motivation of staff, parents and students
7.4	We need a school counselor on our campus.

<i>Need #</i>	<i>TECHNOLOGY</i>
8.1	*Educational and technical involvement with software and hardware are needed for students and staff along with training to utilize them effectively.* Aligned with ESSA plan
8.2	We need trainings about how to utilize technology effectively

IMPROVEMENT PLAN

Vision

The vision of School of Science and Technology is to prepare students for academic success in their future education, enable students to have a broad spectrum of options for their future endeavors, and prepare them to be responsible and productive citizens.

Each child has an inherent curiosity and love of learning; and each has a unique intelligence, capability, and learning style. With this in mind, we will create a student-teacher-parent/guardian triad. Our students will strive toward their highest levels of capability with an education addressing their individual learning styles, thus fostering within them a life-long love of learning.

Mission

“Our mission at School of Science and Technology (SST) drives and socio-emotional development through a rigorous college preparatory, STEM-based learning model. SST’s model is anchored on 21st century skills, embraced by character building approach, and delivered in an enriching, safe, and student centered learning environments.”

Core Values

We believe that excelling in math and science prepares youth to succeed in college, the workplace, and the 21st century. School of Science and Technology schools demonstrate that, with a high-quality program and the right social and emotional supports in place, all students, regardless of racial or economic background, can achieve outstanding results. School of Science and Technology has developed a set of core values that inform and guide the organization in all aspects—from the classroom to the central office—and contribute to a consistent, results oriented culture across all regions and schools.

School of Science and Technology Core Values:

- High Expectations: Every student will learn and grow into a successful and productive citizen.
- Dedicated Staff: We do whatever it takes to help our students reach their goals.
- Working Together: Our students, parents, and staff work in School of Science and Technology to create a strong community of success.
- Character Matters: We guide our students to value integrity, show respect, and be responsible.
- STEM for All: Every student will graduate with a strong understanding and appreciation of STEM and how it connects to the real world.

Per federal statute, the CIP must be

“developed with the involvement of parents and other members of the community to be served and individuals who will carry out such plan, including teachers, principals, and administrators (including administrators of programs described in other parts of this title), and, if appropriate, pupil services personnel, technical assistance providers, school staff, and, if the plan relates to a secondary school, students from such school” ([Elementary and Secondary Education Act](#), Section 1114[b][2][B][iii]).

School Profile

DEMOGRAPHICS	# of Students in 2018-19	% of Students in 2018-19	# of Students in 2017-18	% of Students in 2017-18	# of Students in 2016-17	% of Students in 2016-17
Total	137	100%	N/A	N/A	N/A	N/A
Econ. Disadvantaged	108	79%	N/A	N/A	N/A	N/A
LEP	35	26%	N/A	N/A	N/A	N/A
SPED	5	4%	N/A	N/A	N/A	N/A
GT	16	12%	N/A	N/A	N/A	N/A
MALE	78	57%	N/A	N/A	N/A	N/A
FEMALE	59	43%	N/A	N/A	N/A	N/A
NATIVE	6	4%	N/A	N/A	N/A	N/A
ASIAN	23	17%	N/A	N/A	N/A	N/A
BLACK	75	55%	N/A	N/A	N/A	N/A
WHITE	26	19%	N/A	N/A	N/A	N/A
HISPANIC	20	15%	N/A	N/A	N/A	N/A

Staff Demographics

Teacher demographics	% of teachers in 2018-19	% of teachers in 2017-18	% of teachers in 2016-17	% of teachers in 2015-16
MALE	20%	NA	NA	NA
FEMALE	80%	NA	NA	NA
NATIVE	0%	NA	NA	NA
ASIAN	20%	NA	NA	NA
African American	0%	NA	NA	NA
WHITE	70%	NA	NA	NA
HISPANIC	10%	NA	NA	NA
PACIFIC ISLANDER	0%	NA	NA	NA
MIXED	0%	NA	NA	NA

SCHOOL OF SCIENCE AND TECHNOLOGY PUBLIC CHARTER GOALS

Goal #1 Student Achievement and Post–Secondary Success: SST-Campus will maintain rigorous standards of achievement to prepare all students for graduation and post-secondary success in college, career, and/or military readiness.

Goal #2 Recruitment, Development, and Retention of Highly Qualified Staff: SST-Campus will employ, develop and retain highly qualified staff to maximize learning for all students.

Goal #3 Parent and Community: SST-Campus will work jointly with parents and the community to maximize learning for all students through two-way communication, collaborative partnerships and unity of purpose.

Goal #4 Safe Schools: SST-Campus strives to ensure a safe, healthy, and orderly environment conducive to learning for all students and staff.

Goal #5 Technology: SST-Campus will utilize technology to maximize learning for all students and to enhance the educational practices of teachers.

Goal #6 Extracurricular Programs: SST-Campus will give students the opportunity to expand their knowledge in the subject of their interest beyond curriculum level.

REQUIRED PROGRAM COMPONENTS BY ELEMENTARY AND SECONDARY EDUCATION ACT (ESEA)

1. The summary of the outcome of the CNA. (*CNA Summary*)
2. School wide reform strategies. (*Strategies and Action Steps*)
3. Instruction by highly qualified teachers. (*SST-GOAL #2*)
4. High-quality and ongoing professional development program. (*SST-GOAL #2*)
5. Strategies to attract highly qualified teachers to high-need schools. (*SST-GOAL #2*)
6. Strategies to increase parental involvement. (*SST-GOAL #3*)
7. Plans for assisting preschool students in the successful transition from early childhood programs to local elementary schoolwide programs (*Not Applicable*)
8. Measures to include teachers in decisions regarding the use of academic assessments. (*SST-GOAL #1*)
9. Activities to ensure that students who experience difficulty attaining proficiency receive effective and timely additional assistance. (*SST-GOAL #1*)
10. Coordination and integration of federal, state, and local services and programs. (*SST-GOAL #1 & GOAL #4*)

Reference: https://tea.texas.gov/Finance_and_Grants/Grants/Federal_Flexibility_Initiative/Schoolwide_Programs/Schoolwide_Programs_Campus_Improvement_Plan

1. Parents will be full partners with educators in the education of their children. (*SST-GOAL #3*)
2. Students will be encouraged and challenged to meet their full educational potential. (*SST-GOAL #1*)
3. Through enhanced dropout prevention efforts, all students will remain in school until they obtain a high school diploma. (*SST-GOAL #1*)
4. A well-balanced and appropriate curriculum will be provided to all students. (*SST-GOAL #1*)
5. Educators will prepare students to be thoughtful, active citizens who have an appreciation for the basic values of our state and national heritage and who can understand and productively function in a free enterprise society. (*SST-GOAL #6*)
6. Qualified and highly effective personnel will be recruited, developed, and retained. (*SST-GOAL #2*)
7. The state's students will demonstrate exemplary performance in comparison to national and international standards. (*SST-GOAL #1*)
8. School campuses will maintain a safe and disciplined environment conducive to student learning. (*SST-GOAL #4*)
9. Educators will keep abreast of the development of creative and innovative techniques in instruction and administration using those techniques as appropriate to improve student learning. (*SST-GOAL #2*)
10. Technology will be implemented and used to increase the effectiveness of student learning, instructional management, staff development, and administration. (*SST-GOAL #5*)
11. The State Board of Education, the agency, and the commissioner shall assist school districts and charter schools in providing career and technology education to students. (*SST-GOALS #1 & #5*)

TEA'S STRATEGIC PRIORITIES

1. **Goal #1:** Recruit, Support, and Retain Teachers and Principals. (*SST-GOAL #2*)
1. **Goal #2:** Building A Foundation of Reading and Math. (*SST-GOAL #1*)
1. **Goal #3:** Connect High School to Career and College. (*SST-GOAL #1*)
1. **Goal #4:** Improve Low-Performing Schools. (*SST-GOAL #1*)

STRATEGIC PLANNING GOALS, OBJECTIVES and ACTION STEPS

Goal 1: The School will maintain rigorous standards of achievement to prepare all students for graduation and post-secondary success in college, career, and/or military readiness.

Objective 1.1: Increase the achievement level at Approaches Grade Level or above in the following subjects (check all that apply) in STAAR:

All Students:

Reading by 1% **Math** by 0.5% **Writing** by __% **Science** by __% **Social Studies** by __%

African-American, Hispanic and Economically Disadvantaged Populations:

Reading by 2% **Math** by 1% **Writing** by __% **Science** by __% **Social Studies** by __%

LEP students:

Reading by 2% **Math** by 1% **Writing** by __% **Science** by __% **Social Studies** by __%

Special Education programs

Reading by 2% **Math** by 1% **Writing** by __% **Science** by __% **Social Studies** by __%

Strategies and Action Steps	ESSA Comp.	Person(s) Responsible	Resources	Timeline	Evidence of Implementation	Evidence of Impact	Needs # Addressed
A *Utilize Tutors, Interventionists, Instructional Contract Services and other support personnel to provide consistent assistance to all students in need with push in, pull out, during, after, before school, or Saturdays including Accelerated Instruction*	1, 2, 8, 9,10	Principal, Asst. Principal, Department chairs, Interventionists	Title I, SCE, General Fund, Title IV	Yearly	Test scores, Mock Test results, Benchmark results, Intervention Binders	Mock STAAR test results, Benchmark/Dis trict Assessment Results, STAAR/EOC Results	2.1, 2.6 ,5.3, 7.1,

B	*Purchase testing materials, educational software and other supplemental instructional materials for STAAR ; such as writing. Remediation and improving student performance in all subjects, and including Special Education, ESL and at-risk students*	1, 2, 8, 9	Principal, Asst. Principal., Teachers	Title I, Title III, Title IV, IDEA B, SCE, General Fund	Yearly	Test scores, Mock Test results, Benchmark results	STAAR Test	5.2, 1.1, 2.5, 2.6, 2.7
C	*Utilize Special Education teachers and related Instructional Contract Services to maximize the learning of students with special needs.*	1, 2, 8, 9	Principal, Asst. Principal., SPED Coordinator	IDEA B, SCE, General Fund	Yearly	Test scores, Mock Test results, Benchmark results	Reports	2.2, 2.7, 2.5
D	*Utilize Title III interventionists and related Instructional Contract Services to enhance LEP students' performance.*	1, 2, 8, 9	Principal, Asst. Principal., ESL Coordinator	Title III, General Fund, SCE	Yearly	Test scores, Mock Test results, Benchmark results	Benchmark Results, STAAR Test	2.2

Goal 2: The School will employ, develop and retain highly qualified staff to maximize learning for all students.

Objective 2.1: Provide professional development opportunities for teachers and staff.

Objective 2.2: Recruit and retain highly qualified teachers and staff for all students.

	Strategies and Action Steps	ESSA Comp.	Person(s) Responsible	Resources	Timeline	Evidence of Implementation	Evidence of Impact	Needs # Addressed
A	*Provide professional development opportunities to teachers and staff using contracted services*	1, 2, 3, 4, 5	Principal	Title II, SCE, General Fund	Yearly	Certificate of completion, attendance logs	Teacher evaluation	4.1, 4.2, 4.3, 4.4, 5.3, 5.4, 8.2, 2.6
B	*Utilize cluster coaches for mentoring, supporting and training teachers*	1, 2, 3, 4, 5	Principal, Asst. Principal.,	Title II, General Fund	Yearly	TES,	Evaluation,	5.1, 4.4, 5.3, 5.4, 2.6
C	Train administrators on job interview skills and organize job fairs	1, 2, 3, 4, 5	Principal	Title II, SCE, General Fund	Yearly	Activity calendar, attendance logs	Evaluation	4.1

D	Utilize mentor teachers, ILT and PLC department chairs for onboarding new teachers and teachers in need of assistance	1, 2, 3, 4, 5	Principal, Asst. Principal.	Title II, General Fund, SCE	Yearly	Mentor assignment lists, meeting schedules	Evaluation	4.2,4.4, 5.3, 5.4, 2.6
E	Hold meetings, social events and team building activities with faculty to increase morale and improve school environment	1, 2, 3, 4, 5	Principal, Asst. Principal., Teachers	SCE, General Fund	Monthly	Events, activities, activity calendar	Surveys	7.2, 7.3, 4.1

Goal 3: The School will work jointly with parents and the community to maximize learning for all students through two-way communication, collaborative partnerships and unity of purpose.

Objective 3.1: Provide volunteer opportunities for students and parents at school and in the community.

Objective 3.2: Enhance communication, collaboration, and involvement among the staff, parents, and community to support the students.

	Strategies and Action Steps	ESSA Comp.	Person(s) Responsible	Resources	Timeline	Evidence of Implementation	Evidence of Impact	Needs # Addressed
A	*Provide opportunities at school for parents to participate in academic and social events with their children*	1, 2, 6	Principal, Asst. Principal	Title I, III, SCE, General Fund	Quarterly	Activity calendar	Survey	6.1, 6.2, 7.2, 7.3
B	Use Wednesday mail, website, newsletters, email, and School of Science and Technology platforms to increase communication and involvement	1, 2, 6	Principal, Asst. Principal., Teachers	SCE, General Fund	Monthly	Newsletters	Surveys, Volunteer Leader Board	6.1, 7.1, 1.2, 1.1, 7.4, 7.3, 7.2
C	Encourage teachers to schedule home visits to all, especially economically disadvantaged students.	1, 2, 6	Principal, Asst. Principal., Teachers	SCE, General Fund	Monthly	Home visit logs	Activity Report	6.1, 6.2, 7.3
D	Provide other programs to parents such as Homeroom parents, Hundred community service hours, MOUs with Businesses and Colleges	1, 2, 6	Principal, Asst. Principal., Teachers	SCE, General Fund	Yearly	Activity calendar	Activity Report	6.1, 6.2, 7.3, 2.3

Goal 4: The School strives to ensure a safe, healthy and orderly environment conducive to learning for all students and staff.

Objective 4.1: Provide staff development regarding discipline and classroom management issues.

Objective 4.2: Provide a coordinated health program to encourage students to participate physical activities.

	Strategies and Action Steps	ESSA Comp.	Person(s) Responsible	Resources	Timeline	Evidence of Implementation	Evidence of Impact	Needs # Addressed
A	*Provide staff development in safe schools and enforce a school safety program that addresses conflict management, bullying, suicide prevention, discipline management, violence prevention and intervention methods.*	1, 2, 10	Principal, Asst. Principal., Teachers	Title I, Title II, SCE, General Fund	Yearly	Activity calendar	Reports	3.1, 3.4, 2.4, 7.4
B	*Help students track and evaluate their fitness assessment data and ensure that they participate in moderate to vigorous physical activity *	1, 2, 10	Physical Education Staff	SCE, General Fund	Yearly	Participation rate of physical activities	Fitness assessment data	3.2
C	Enroll students in Character Education classes that provide awareness of sexual abuse and dangers of drugs, alcohol, and tobacco.	1, 2, 10	Principal, Asst. Principal.,	SCE, General Fund	Yearly	Course schedule	Reports	3.1, 3.4
D	*Provide systematic instruction to students in special programs including dyslexia treatment programs, violence prevention programs, conflict resolution programs and suicide prevention programs in accordance with Subchapter O-1, Chapter 161, Health and Safety Code*	1, 2, 10	Area Superintendent , SPED Coordinator	SCE, General Fund	Yearly	Sped service logs,	Reports	2.2, 2.8 3.1, 3.4, 2.7, 7.4
E	*Work with parents, teachers and administrators to implement dropout prevention strategies such as mentoring/tutoring, after-school and summer programs, CTE programs and family engagement*	1, 2, 10	Area Superintendent , Cluster College Counselor	SCE, General Fund	Yearly	Activity Calendar	District Dropout Rate	1.1, 1.2, 1.3, 7.1, 2.1, 2.2
F	*Develop and implement policies addressing sexual abuse and other maltreatment of children under Section 38.041*	1, 2, 10	Area Superintendent	SCE, General Fund	Yearly	Annual Report	Annual Report	3.1, 2.4, 7.4

Goal 5: The School will utilize technology to maximize learning for all students and to enhance the educational practices of teachers .

Objective 5.1: Ensure that all students and staff utilize technology as a tool for learning.

	Strategies and Action Steps	ESSA Comp.	Person(s) Responsible	Resources	Timeline	Evidence of Implementation	Evidence of Impact	Needs # Addressed
A	*Purchase technology devices (document camera, laptop, chrome book, etc.) and educational software to maximize learning and teaching.*	1, 2, 4, 9	Principal, Asst. Principal., Teachers	Title I, SCE, General Fund	Yearly	Inventory, Invoices	STAAR Results, Benchmarks	8.1, 8.2, 2.7, 2.5
B	*Provide staff development on integration of technology in instructional and administrative programs*	1, 2, 4, 9	Principal	Title I, II, SCE, General Fund	Yearly	Annual PD Plan	Attendance Roster,	8.1, 8.2, 2.7, 2.5, 5.4, 5.3

Goal 6: The School will give students the opportunity to expand their knowledge in the subject of their interest beyond curriculum level.

Objective 6.1: Increase number of student enrolled in extracurricular programs offered by the school.

Objective 6.2: Have students complete projects and join competitions and contests.

	Strategies and Action Steps	ESSA Comp.	Person(s) Responsible	Resources	Timeline	Evidence of Implementation	Evidence of Impact	Needs # Addressed
A	Ask teachers to offer variety of clubs and contract with organizations to offer programs at school	1, 2, 8	Principal, Asst. Principal., Teachers	SCE, General Fund	Yearly	Schedule, sign-in sheets		3.3, 3.2,
B	Encourage students to participate in various competitions. Math Counts, Math League, Science Fairs, I-SWEEP, Science Olympiad, Robotics etc.	1, 2, 8	Principal, Asst. Principal., Teachers	SCE, General Fund	Yearly	Schedule, sign-in sheets	Awards	3.3, 3.1

SCHOOL OF SCIENCE AND TECHNOLOGY SUGAR LAND
2019-2020 Federal and State Programs Budget



Program/Service	Budget Amount	FTEs	Program/Service	Budget Amount	FTEs
Title I Part A (Fund Code: 211; Intent Code: 30) Title IV A (Fund Code: 289; Intent Code: 24)			Career & Technology (CTE) (Fund Code: 420; Intent Code: 22)		
Payroll – Instructional Support	\$19555	0.39	Payroll – Instructional Support	\$	0
Instructional Contract Services	\$1		Instructional Contract Services	\$	
Instructional Supplies	\$1		Instructional Supplies	\$	
Total	\$19,557		Total	\$0	
Title II Part A (Fund Code: 255; Intent Code: 24)			Special Education (Fund Code: 420; Intent Code: 23)		
Payroll – Instructional Support	\$2,988	0.06	Payroll – Instructional Support	\$27,000	0.2
Instructional Contract Services	\$1		Instructional Contract Services	\$2,000	
Instructional Supplies	\$1		Instructional Supplies	\$1,100	
Total	\$2,990		Total	\$29,600	
Title III Part A (Fund Code: 263; Intent Code: 25)			Bilingual Education (Fund Code: 420; Intent Code: 25)		
Payroll – Instructional Support	\$739	0.01	Payroll – Instructional Support	\$6,019	.2
Instructional Contract Services	\$1		Instructional Contract Services	\$1	
Instructional Supplies	\$1		Instructional Supplies	\$1	
Total	\$741		Total	\$6,021	
IDEA B (Fund Code: 224; Intent Code: 23)			Compensatory Education (Fund Code: 420; Intent Code: 30)		
Payroll – Instructional Support	\$10,540	0.21	Payroll – Instructional Support	\$140,000	2.0
Instructional Contract Services	\$1		Instructional Contract Services	\$1,000	
Instructional Supplies	\$1		Instructional Supplies	\$4,250	



Total	\$10542		Total	\$145,250	
Gifted & Talented (GT) (Fund Code: 420; Intent Code: 21)			High School Allotment (Fund Code: 420; Intent Code: 31)		
Payroll – Instructional Support	\$1	0	Payroll – Instructional Support	\$	0
Instructional Contract Services	\$1		Instructional Contract Services	\$	
Instructional Supplies	\$498		Instructional Supplies	\$	
Total	\$500		Total	\$	