



JACK E SINGLEY ACADEMY  
T-STEM Renewal Application  
2021-2022

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# Background

## District Affiliation

IRVING ISD

CD #: 057912

Region: 10

Mailing Address (Line 1): P O BOX 152637

Mailing Address (Line 2):

City, State, Zip: IRVING, TX 75015

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## School Affiliation

JACK E SINGLEY ACADEMY

**CDC #:** 057-912-006

**Region:**

**Mailing Address (Line 1):** 4601 N MACARTHUR BLVD

**Mailing Address (Line 2):**

**City, State, Zip:** IRVING, TX 75038

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## Academy Information

**What is the academy name?**

Jack E. Singley Academy

**Which model does the district intend to implement at this time? Within these models, there are variations.**

School-Within-School (SWS) - A subset of students on the campus are enrolled in grades 9-12 are enrolled in the academy.

## Grade Levels Served

**What grade level(s) will your academy plan to serve in the 2021-2022 school year?**

9  
10  
11  
12

**Enter the number of students that you plan to serve in 9th grade.**

232

**Enter the number of students that you plan to serve in 10th grade.**

111

**Enter the number of students that you plan to serve in 11th grade.**

86

**Enter the number of students that you plan to serve in 12th grade.**

87

# Contacts

## Applicant

### Applicant 1

**Job Title**

Academic Specialist, STEM Coordinator

**Name Prefix**

Mrs.

**First Name**

Katie

**Last Name**

Crone

**Email**

kcrone@irvingisd.net

**Phone**

9726005397

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## Principal

### Principal 1

**Name Prefix**

Mrs.

**First Name**

Melanie

**Last Name**

Kibodeaux

**Email**

mkibodeaux@irvingisd.net

**Phone**

972-600-5305

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## Superintendent

### Superintendent 1

**Name Prefix**

Mrs.

**First Name**

Magda

**Last Name**

Hernandez

**Email**

mhernandez@irvingisd.net

**Phone**

972-600-5001

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# Narratives

Current Designations at IRVING ISD:

- JACK E SINGLEY ACADEMY - ECHS - 1920
- JACK E SINGLEY ACADEMY - T-STEM - 0910

Previous Planning Year Applications at IRVING ISD:

## Narratives

The majority of the following questions will be narrative response. Narrative responses are limited to a maximum of 250 words. We recommend writing your responses in a text-editing software such as Microsoft Word and then pasting your responses into the website when they are complete. Progress to the next section when you are ready.

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# Narratives: Degrees and Credentials, Recruitment and Enrollment

## Degrees and Credentials

**Select the Career Cluster(s) that your academy plans to offer in 2021-2022.**

Health Science  
Information Technology  
Manufacturing  
STEM

**Select the Program(s) of Study your academy plans to offer in 2021-2022.**

Healthcare Diagnostics  
Nursing  
Medical Therapist

**Select the Program(s) of Study your academy plans to offer in 2021-2022.**

Cybersecurity  
Information Technology Support and Services  
Networking Systems  
Web Development

**Select the Career Cluster(s) that your academy plans to offer in 2021-2022.**

Advanced Manufacturing and Machinery Mechanics

**Select the Career Cluster(s) that your academy plans to offer in 2021-2022.**

Cybersecurity

**Which of the following credential(s) does the academy plan to offer students in 2021-2022 school year?**

AD  
IC

**What associate degree(s) does the academy plan to offer?**

Item  
Liberal Arts

**What industry certifications does the academy plan to offer?**

Item

Phlebotomy Technician

Certified Dental Assistant (CDA)

Certified EKG/ECG Technician

Certified Pharmacy Technician

Certified EKG/ECG Technician

Google Cloud Certified Professional - Cloud Architect

Cisco Certified Network Associate - Cloud (CCNA Cloud)

CompTIA Network+

Microsoft Technology Associate (MTA) Introduction to Programming Using Java

**Does the IHE partner currently have an articulation agreement with a four-year IHE detailing how a student's associate degree and accrued credits could lead to a baccalaureate degree?**

Yes

**Provide the university name that your IHE partner has an articulation agreement with and the bachelor degree that students could earn using their associate degree and accrued credits. Each row represents a degree.**

2-Year Degree	University	4-Year Degree
Associate of Arts	UTA	Bachelor of Arts
Associate of Science	UTA	Bachelor of Science

## Recruitment and Enrollment

**Describe any changes in established plans for recruitment and enrollment process that meet open enrollment requirements.**

This year recruiting has been a challenge with the pandemic. In previous years, students were able to visit Singley to tour the school and experience some of the pathways Singley offered. For the 2021-2022 school year recruitment, Singley Academy moved to a 100% virtual platform to recruit new students. Singley offered two virtual information sessions led by the administrative team, CTE teachers

and counselors. Two sessions were held in the evenings for families to learn more about the pathways Singley offered. The sessions concluded with a Q&A portion. In addition, recruiting videos were created and shared on Singley's recruitment website.

# Narratives: Strategic Partnerships: IHE, Strategic Partnerships: Business Partner

## Strategic Partnerships: IHE

### IHE Partner 1

#### Affiliation

Dallas County Community College District

#### Name Prefix

Ms.

#### First Name

Shawnda

#### Last Name

Floyd

#### Email

shawndafloyd@dcccd.edu

#### Phone

214-378-1607

#### Job Title

Provost

The T-STEM academy shall have strategic partnerships with business and industry partners and Institutions of Higher Education (IHEs) that are formally articulated in writing and clearly define a variety of STEM careers.

Describe how the IHE articulation agreement addresses the following IHE Blueprint Requirement: Curriculum alignment and courses of study, which enables a student to combine high school courses and college-level courses to earn either an associate degree, postsecondary certificate provided by an IHE, or industry certification.

The purpose of the agreement is to provide dual credit courses structured around education, training

and career exploration to enable students to develop academic and technical skills, acquire industry certification, enter a profession or advance in higher education. In particular the STEM pathways at Singley offer a rigorous curriculum to assist students in becoming college and career ready. At the end of the programs, students are able to make a seamless post-secondary transition or enter the workforce. Students within the STEM pathways have opportunities to obtain certifications and Associate Degrees. Jack E Singley has signature STEM pathways which are housed in different schools. The School of Innovative Technology includes Technology Support Services, Robotic Manufacturing, Cyber Security and the Video Game pathways. The School of Health Science includes Patient Care Technician, Dental, Emergency Medical Technician and Sports Rehabilitation pathways. Students enroll in introduction courses during their freshman year and then continue the pathway each year building upon skills and knowledge in the pathway. By a student's senior year, the student will have had the opportunity to gain certifications and complete a capstone project, practicum, or internship.

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**Describe how the IHE articulation agreement addresses the following IHE Blueprint Requirements: Policies for: 1) advising students on the transferability of all college credit offered and earned, 2) ensuring the IHE transcripts college credit earned through dual credit in the same semester that credit is earned, 3) advising students as to the transferability and applicability to baccalaureate degree plans for all college credit offered and earned (college credits earned during high school should allow students to progress from an associate degree to a bachelor's degree and beyond in their chosen field), 4) students accessing the IHE facilities, services and resources**

Singley Academy creates Individual Graduation Plans (IGPs), provides career counseling and offers the Kuder Career Planning system to its students. By monitoring course sequences, Singley can enhance the assessment process, specific to career pathway progress. IGPs with endorsement and performance acknowledgement plans are reviewed at least 2 to 3 times per year with parents and students. Counselors work one on one with students to ensure endorsement requirements are met and geared toward STEM requirements. The STEM pathways at Singley offer a rigorous curriculum to assist students in becoming college and career ready. Students within the STEM pathways have opportunities to obtain certifications, participate in dual credit coursework and opportunities to earn an Associate's Degree. College and high school dual credit and advising staff provide dual credit information sessions at the high school. College outreach teams help students make connections with college intake staff. Dual credit college staff provide orientation to students on high school campus including information related to benefits of college ID, college resources, and academic guidance and assistance. Career interest tools are available through the college career services office. Students are eligible to take approved courses that apply towards earning a certificate or Associates degree. The transfer services office provided information regarding the transferability of courses to four-year institutions. Student support services including learning and support centers, tutoring centers, libraries, and academic advising are available to dual credit students. Both the high school and college will transcript dual credit course upon completion.

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**Describe how the IHE articulation agreement addresses the following IHE Blueprint Requirements: Transportation costs and fees including provisions for discontinuing operation while ensuring students previously enrolled will have opportunity to complete their course of study.**

Provisions of MOU specifically state students will be permitted to finish coursework without penalty should a breach of agreement occur. Transportation cost is the responsibility of the high school and/or students. Courses are offered on campus during the academic school year. Students wishing to participate in dual credit courses during the summer, when the high school is closed, are responsible for own transportation.

**Describe how the IHE articulation agreement addresses the following IHE Blueprint Requirements: Data sharing agreement that includes provisions for teacher data such as qualifications and student level data such as credit hours taken and earned, GPA, formative data to assess if student is on track for college readiness**

The data sharing agreement permits the dissemination of academic grades, academic status, GPA, credit hours completed and TSI readiness at the conclusion of each semester. The college provides this data to the district technology department to organize and distribute to the high school campus.

## Strategic Partnerships: Business Partner

### **Business/Industry Partner 1**

#### **Affiliation/Company**

CitiGroup

#### **Job Title**

Infrastructure Manager

#### **Name Prefix**

Mrs.

#### **First Name**

Jordan

#### **Last Name**

Smith

#### **Email**

jordan.smith@citi.com

#### **Phone**

2140277-4429

**Describe how the Business/Industry articulation agreement addresses the following Business/Industry Blueprint Requirements: Clear roles and responsibilities for work site supervisors, mentors, teachers, support personnel, and other partners.**

Due to the pandemic, Singley Academy has drastically reduced the number of students participating in internships. Senior teachers are working within the constraints of asynchronous learning to provide opportunities that allow students to explore career options through videos and question and answer forums. Singley has a few students participating in medical or dental internships. The teacher of record who oversees the internships ensures clear roles and responsibilities for the student internship experience. He/she will make a contact at least once a six weeks with the student internship supervisor. In addition, he/she will make a site visit at least one time during the course of the six weeks.

The supervisors are provide a critical feedback form which is used to evaluate the student's performance which in turn is communicated to the student to improve job readiness. Expectations are clearly communicated to the business partner that the students' responsibility should be directly related to the student's signature study. In addition, all community partners, students and stakeholders are in communication concerning the internship fidelity; i.e. If a student or supervisor is not performing well it is addressed.

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**Describe how the Business/Industry articulation agreement addresses the following Business/Industry Blueprint Requirements: Support for students' activities, such a clubs, Career and Technical Student Organizations, competitions, and special invitations.**

Singley Academy offers unique opportunities for STEM-focused extracurricular activities. The school offers Career Technical Student Organizations (CTSO) for all of its pathways. Events and opportunities have been reduced due to the pandemic. However, our Health Occupations Students of America (HOSA), the largest organization on campus, is attending virtual events and competitions. In addition the Girls of Technology, an organization geared toward recruiting, retaining and empowering female students in the field of STEM is meeting virtually. And lastly, SkillsUSA is an organization that Singley is able to offer this year with solely virtual events.

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**Describe how the Business/Industry articulation agreement addresses the following Business/Industry Blueprint Requirements: Student access to business and industry partners and work-based learning facilities, services, and resources.**

We have several key business and industry partners; however, due to the pandemic, the amount of work-based learning facilities, services and resources is very small. Two-thirds of our student body is remote and require asynchronous learning. The majority of opportunities are asynchronous. Currently, each pathway has its own advisory board that meets quarterly and includes staff, students and community partners. These boards provide opportunities and virtual events for mock interviews and resume reviews.

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**Describe how the Business/Industry articulation agreement addresses the following Business/Industry Blueprint Requirements: Transportation fees and costs.**

The district pays for liability coverage for transportation. Transportation for the health science students in hospital rotations are funded through the district CTE department. All other students are responsible for any transportation needed for internships.

# Narratives: Regional Workforce Alignment, Work-Based Learning

## Regional Workforce Alignment

List the regional high-demand occupations your academy intends to address through selected program(s) of study and work-based learning.

**Regional High-Demand Occupation**

Medical & Clinical Laboratory Technicians

Information Security Analysts

Computer Network Support Specialists

Software Developers, Applications

Physical Therapist Assistants

Dental Hygienists

## Work-Based Learning

Complete the activity tables below illustrating the work-based learning activities that your academy plans to offer students at each grade level. Please ensure the activities are STEM focused.

Add up to three activities offered to 9th grade students.

**9th Grade Activities**

Virtual visits

Virtual guest speakers

Virtual STEM Competitions

Add up to three activities offered to 10th grade students.

**10th Grade Activities**

Virtual visits

Virtual guest speakers

Virtual STEM Competitions

Add up to three activities offered to 11th grade students.

### 11th Grade Activities

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Virtual visits

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Virtual guest speakers

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Virtual STEM Competitions

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Add up to three activities offered to 12th grade students.

### 12th Grade Activities

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Virtual visits

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Virtual guest speakers

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Virtual STEM Competitions

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Capstone Projects

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## Narratives: Advanced Academics

### Advanced Academics

Select the type of advanced courses (dual credit/AP/IB) your campus plans to offer students in 2021-2022.

DC

AP

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What type of dual credit courses does your campus plan to offer?

WECM

AGCM

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Describe any challenges in ensuring your academy has educators with qualification to teach dual credit. What steps did your academy take to address the need?

Not all teachers have earned the minimum academic credentials required by the IHE. We prefer candidates for open positions to have the credentials to meet IHE requirements to teach dual credit.

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Is the academy a TSIA testing site?



Yes

# Narratives: STEM-Focused Extracurriculars, Curriculum and Support

## Curriculum and Support

Provide examples of how the campus plans to provide students with academic services. List activities and brief descriptions of the activities. Add a new row for each provided service.

Activity	Description
Tutoring	Intervention time is built into the school day and is available on specific days.
College Coach	Student access to GoCenter, assistance with FAFSA/TASFA
PACE	Professional Advisory Career and Exploration class

Provide examples of how the campus plans to provide students with wrap-around services. List activities and brief descriptions of the activities. Add a new row for each wrap-around service.

Activity	Description
PACE	Professional Advisory Career and Exploration class
Parent Liasion	Parent outreach and training (virtual)
Virtual Go Irving	Virtual district and community services
Virtual College Night	College Awareness

How does your academy use the access, achievement, and attainment data for program improvement?

Singley uses TSI data and certification awards data to target areas of growth for improved student success. TSI interventions in the form of embedded classroom supports are implemented to improve TSI scores. Classroom teacher review of certifications awarded provides feedback for curriculum adjustments to ensure greater rates of students attaining certifications.

## STEM-Focused Extracurriculars

**Describe the STEM-focused extracurricular activities (field experiences, clubs, and competitions) offered to students.**

Singley Academy offers unique opportunities for STEM-focused extracurricular activities; this year the events and organizational meetings/events have been reduced due to the pandemic. The school offers Career Technical Student Organizations (CTSO) for all of its pathways. Health Occupations Students of America (HOSA), the largest organization on campus, is active this year and is participating in events and competition virtually. Girls of Technology is another organization that is geared toward recruiting, retaining and empowering female students in the field of STEM and has been meeting virtually. Additionally, SkillsUSA, is meeting and competing virtually.

## Narratives: Leadership Team

### Leadership Team

**List the Leadership Team's three priorities for the next year and describe how the selected priority contributes to the academy's success. Each priority should be a benchmark from the ECHS/T-STEM/P-TECH Blueprint.**

Benchmark	Description
Benchmark IV	TSI Testing
Benchmark V	Internships
Benchmark III	Certifications

Narratives: Benchmark 1 Products, Benchmark 2 Products, Benchmark 3 Products, Benchmark 4 Products, Benchmark 5 Products, Benchmark 6 Products, Benchmark Products

## Benchmark Products

### Benchmark 1 Products

**Provide a link to the academy's mentor/induction program plans.**

<https://www.irvingisd.net/stem>

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**Provide a link to the academy's annual training or professional development plan with the academy and IHE faculty**

<https://www.irvingisd.net/stem>

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**Provide a link to the academy's leadership meeting agendas and notes.**

<https://www.irvingisd.net/stem>

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### Benchmark 2 Products

**Provide a link to the academy's written admission policy and enrollment application**

<https://www.irvingisd.net/stem>

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**Provide a link to the academy's written recruitment plan including a timeline of recruitment and enrollment events, and recruitment materials for distribution at feeder schools and other appropriate locations in the community.**

<https://www.irvingisd.net/stem>

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**Provide a link to the academy's brochures and marketing in Spanish, English, and/or other relevant languages.**

<https://www.irvingisd.net/stem>

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**Provide a link to the academy's written recruitment plan including a timeline of recruitment and enrollment events, and recruitment materials for distribution at feeder schools and other appropriate locations in the community.**

<https://www.irvingisd.net/stem>

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## Benchmark 3 Products

**Provide a link to the academy's meeting agendas and minutes, with action items and decision logs.**

<https://www.irvingisd.net/stem>

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**Provide a link to the academy's final, signed, and executed MOU with their industry partner/business.**

<https://www.irvingisd.net/stem>

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**Provide a link to the academy's final, signed, and executed MOU with their IHE**

<https://www.irvingisd.net/stem>

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**Provide a link to the academy's list of strategic partners with each member's organization, title and role in providing work-based learning for students by grade level.**

<https://www.irvingisd.net/stem>

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## Benchmark 4 Products

**Provide a link to the academy's four-year crosswalk document**

<https://www.irvingisd.net/stem>

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**Provide a link to the academy's master schedule.**

<https://www.irvingisd.net/stem>

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**Provide a link to the academy's curriculum alignment documents.**

<https://www.irvingisd.net/stem>

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**Provide a link to the academy's testing calendar and schedule for TSI, ACT, SAT or other**

assessments.

<https://www.irvingisd.net/stem>

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**Provide a link to the academy's documentation detailing a minimum of three course of study examples that outline student pathways from high school, to associate degrees, to work credential and beyond.**

<https://www.irvingisd.net/stem>

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## Benchmark 5 Products

**Provide a link to the academy's documentation of appropriate work-based learning experiences for students at all grade levels.**

<https://www.irvingisd.net/stem>

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**Provide a link to the academy's current dated regional high demand occupation list.**

<https://www.irvingisd.net/stem>

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**Provide a link to the academy's aggregate data describing student participation in work-based learning experiences as well as percentage of students earning industry certification and credentials by type.**

<https://www.irvingisd.net/stem>

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**Provide a link to the academy's samples of student artifacts such as writing, portfolios, presentations, or links to digital content.**

<https://www.irvingisd.net/stem>

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## Benchmark 6 Products

**Provide a link to the academy's bridge program calendar and curricula.**

<https://www.irvingisd.net/stem>

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**Provide a link the academy's tutoring and other intervention/remediation program schedules,**

<https://www.irvingisd.net/stem>

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**Provide a link to the academy's calendar of family outreach events.**

<https://www.irvingisd.net/stem>

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