TEA Update on T-STEM: Journey Toward Continuous Improvement

CCRSM Leadership Summit
June 19, 2019
In this session, you will have the opportunity to:

✓ Learn about your role in TEA’s Strategic Plan to support all students
✓ Discover strategies for strengthening IHE/Industry partnerships
✓ Recognize how the CCRSM Network promotes continuous improvement
✓ Plan early for roll-out of Outcomes-Based Measures
✓ Gain an understanding of how T-STEM components promote success in A-F accountability metrics
✓ Identify ways to engage within the CCRSM Network throughout 2019-20
We Want to Hear From You!

Please type your questions in Poll Everywhere.

Respond at https://pollev.com/edtx3

Text edtx3 to 22333 to join, then share
Every child, prepared for success in college, a career or the military.

Strategic priorities:
- Recruit, support and retain teachers and principals
- Build a foundation of reading and math
- Connect high school to career and college
- Improve low-performing schools

Enablers:
- Increase transparency, fairness and rigor in district and campus academic and financial performance
- Ensure compliance, effectively implement legislation and inform policymakers
- Strengthen organizational foundations (resource efficiency, culture, capabilities, partnerships)
Priority 3: Connect High School To Career and College

College and Career Readiness School Models (ECHS, T-STEM, P-TECH & Industry Cluster Innovative Academies)

High school programs that deliver on the promise of rigorous college and career opportunities and training and provide advanced academics opportunities for students.
CCRSM Network: 371 Campuses

- Planning Campuses 32
  - ECHS 12
  - T-STEM 1
  - P-TECH 19
- Designated Campuses 339
  - ECHS 182
  - T-STEM 95
  - P-TECH 62

96 T-STEM High Schools
43 Feeder ES/MS
T-STEM Components

- Establish strategic alliances with higher ed and industry partners to provide students with expanded opportunity to enroll in dual credit coursework and provide work-based learning in every grade level.

- Align academic STEM pathways and enroll students in expanded opportunities for STEM coursework to prepare students for high-wage, in-demand and high-skill STEM fields.

- Graduate students college & career ready with the opportunity to earn an industry certification or credential in STEM focused field.
T-STEM: Strengthening Partnerships
By 2030, at least 60% of Texans ages 25-34 will have a certificate or degree.

By 2030, at least 550,000 students in that year will complete a certificate, associate, bachelor’s, or master’s from an institution of higher education in Texas.

By 2030, all graduates from Texas public institutions of higher education will have completed programs with identified marketable skills.

By 2030, undergraduate student loan debt will not exceed 60 percent of first-year wages for graduates of Texas public institutions.
TEA & THECB jointly developed key elements for dual credit partnerships to address in MOUs (TAC Section §4.84)

- Eligible Courses
- Student Eligibility
- Location of Class
- Student Composition of Class
- Faculty Selection, Supervision, & Evaluation
- Course Curriculum, Instruction, & Grading
- Transcripting of Credit
- Funding
- Academic Policies & Student Support Services
- Defined sequences of courses, where applicable
Statewide Dual Credit Goals

- Implement purposeful & collaborative outreach efforts to inform all students & parents of the benefits and costs of dual credit, including enrollment and fee policies.

- Dual credit will assist high school students in the successful transition to and acceleration through postsecondary education.

- All dual credit students will receive academic and college readiness advising with access to student support services to bridge them successfully into college course completion.

- The quality and rigor will be sufficient to ensure student success in subsequent courses.
IHEs are Crucial to Success of CCRSM Network

▪ Colleges & universities partnering with CCRSM Network
  ▪ 60 IHEs (college district and university) serve CCRSM students
  ▪ 8 IHEs (college district and university) partner with 10+ districts

▪ Working together for positive impact
  ▪ Expansion of CCRSM network with 95 new campuses over past 2 years
  ▪ 11 districts have 5 or more CCRSM campuses
  ▪ 126,333 CCRSM (ECHS and T-STEM) students served in 2017-18 academic year
  ▪ 38% CCRSM students take dual credit course work (state average is 20%)
T-STEM Advisory Board

- Consisting of stakeholders to provide advisement regarding the strategic direction of the T-STEM program including resource acquisition, curriculum development, WBL, and student outreach to ensure a successful career pipeline.

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<thead>
<tr>
<th>Advisory Board</th>
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<tbody>
<tr>
<td>Meets regularly; less frequently</td>
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<tr>
<td>Provides support, ideas and guidance</td>
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<tr>
<td>“Voice of the Community”</td>
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<tr>
<td>IHE, Industry, School Board, Community</td>
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<tr>
<td>Cross-sector membership provide input &amp; advice</td>
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<tr>
<td>Program Advocates</td>
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<tr>
<td>Consultants</td>
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<tr>
<td>“Strategic Planning”</td>
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Strengthening Industry Partnerships

Business Partners

- Industry-Based Certifications
  - TEA expanded Approved Industry-Based Certifications for Public School Accountability for 2019-20: [https://tea.texas.gov/cte/](https://tea.texas.gov/cte/)

- Industry MOU’s should outline work-based learning opportunities for grades 9-12
  - TEA conducted listening tours throughout spring 2019 to develop strategic plan for WBL
Strengthening Industry Partnerships

Business Partners

- Programs of Study (POS)
  - TEA released 55 Programs of Study in June for public comment
  - POS templates are aligned with statewide workforce needs
  - Visit your local Workforce Board to find labor market information (LMI) data => Share LMI data with Advisory Council: https://twc.texas.gov/partners/workforce-development-boards-websites
  - Identify specific skills and credentials needed by employers
  - Determine which POS may be most appropriate for your region: https://tea.texas.gov/Academics/College_Career_and_Military_Preprep/Career_and_Technical_Education/Programs_of_Study_Public_Comment/
What actions do you need to take over the next year to strengthen partnerships?
T-STEM: Student Success
T-STEM Blueprint

T-STEM Blueprint can be found at https://tea.texas.gov/ccrsm/

T-STEM Benchmarks:
- School Design
- Target Population
- Strategic Alliances
- Curriculum, Instruction, & Assessment
- Work-Based Learning
- Student Support

Outcomes-Based Measures
- Access
- Attainment
- Achievement

* See Appendix for Required Products
T-STEM Designation Process

District interested in opening T-STEM campus

Apply for a planning year

Once accepted into the planning year, engage in one year of planning with the TEA selected technical assistance provider and meet the planning year requirements

Engage TA Provider

One year of planning

... apply to become a Provisional T-STEM campus

Apply to become

After the planning year requirements are met, then...

Design Elements and Provisional Outcomes Year

Meet all design elements and provisional outcomes year

Each year, the provisional T-STEM should be meeting design elements and targets.

Grow, Improve, Build

Once designated, spend the the next four years growing cohorts, improving programming, and building strong partnerships

T-STEM Blueprint

After first graduating cohort, district can apply to become a T-STEM campus

Texas Science, Technology, Engineering, and Math
T-STEM Network

Building Capacity to Drive Continuous Improvement

- Thought partnership to address ongoing systemic challenges
- Personalized campus coach support to meet design elements
- Networking to promote sharing and scaling of best practices
- Peer mentorship to codify and replicate “what works”
Building Capacity to Drive Continuous Improvement

- Data-driven approach to address ongoing barriers to student success
- Access to resources & services from TEA program specialists
- Focused strategies to improve in alignment
What is YOUR value-add from engaging with the Network?
How does it drive student success?
T-STEM: Outcome-Based Measures
# T-STEM Outcomes-Based Measures

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<th>Want to Know</th>
<th>Learned</th>
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<td><strong>ATTAINMENT</strong></td>
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<tr>
<td><strong>ACHIEVEMENT</strong></td>
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Student enrollment in T-STEM is proportionate to, or over-representative of, targeted subgroups in the entire district.

Student completion of T-STEM programming goals & targets.

Student performance on various measures of college & career readiness while enrolled in T-STEM.

**ACCESS**

**ATTAINMENT**

**ACHIEVEMENT**

**CCRSM are currently in a phase-in process for the new T-STEM Blueprint.** All data are for information and planning purposes only. This information will not be used to determine designation status. Currently, program designation status is based on the number of years of program operation.
## Full Implementation of T-STEM

### Outcomes-Based Measures

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<th>Outcomes-Based Measures for Designated Status</th>
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### Year 1

- **9\(^{th}\) Grade Access for At-Risk**
- **9\(^{th}\) Grade Access for Eco Dis**
- **9\(^{th}\) Grade Algebra I EOC**

### Your first cohort of students

- **10\(^{th}\) Grade Access for Eco Dis Students**
- **9\(^{th}\) Grade to 11\(^{th}\) grade persistence by subgroup (weighted; cohort metric)**
- **TSI College Readiness Standards in Reading**
- **TSI College Readiness Standards in Writing**
- **TSI College Readiness Standards in Math**
- **College Readiness benchmarks on SAT/ACT**

- **12\(^{th}\) Grade Access for Eco Dis (Grades 9-12)**
- **Participating in a WBL placement/course by graduation**
- **Completing one college-level math or science course by end of 12\(^{th}\) grade**
- **Earning 15 college credits by graduation**
- **Earning postsecondary degree and/or credential by HS graduation**
- **Earning an industry-based certification by HS graduation**
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## Outcomes - Based Measures

- Access for Eco Dis Students (grades 9-11)
- Grade-to-grade persistence by subgroup (weighted; cohort metric)
- TSI College Readiness Standards in Reading
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- College Readiness benchmarks on SAT/ACT
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CCMR Indicators for Student Achievement

College, Career, and Military Ready

- Meet criteria of 3 on AP or 4 on IB examinations
- Meet TSI criteria (SAT/ACT/TSIA/College Prep course) in reading and mathematics
- Complete a course for dual credit (9 hours or more in any subject or 3 hours or more in ELAR/mathematics)
- Earn an associate degree
- Complete an OnRamps Course in any subject*
- Earn industry-based certification
- CTE coherent sequence coursework completion and credit aligned with approved industry-based certifications (one-half point credit)
- Graduate with completed IEP and workforce readiness (graduation type code of 04, 05, 54, or 55)
- Earn a Level 1 or Level 2 Certificate*
- Graduate under an advanced degree plan and be identified as a current special education student*
- Enlist in the United States Armed Forces

*Implementation in 2019 and beyond
Mutually Reinforcing Activities

College, Career, and Military Ready

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*Implementation in 2019 and beyond
How do you see OBMs reinforcing YOUR priorities for student success?
CCRSM Network: Next Steps
Outcomes-Based Measures Summary Report for 2019-2020 T-STEM Designation

- 9th grade students only; Access only
- 2018-2019 students reported in PEIMS Fall snapshot
- Will be available in TEAL portal

Save the Date!
OBM/TEAL Webinar:
*How to Read your Campus OBM Summary Report*
August 29th, 2019
10 AM -12 PM
Data-Driven Decision Making

- Intentional planning for OBM phase-in
  - Leadership team should prioritize efforts to improve student success
  - What needs to happen this year to meet Achievement/Attainment OBM?

- Identification of systemic challenges
  - Analyze Campus OBM Summary Report for areas in need of additional supports
  - Develop/revise intervention strategies
  - Share your ideas/needs with your T-STEM campus coach
Continuous Improvement

Building the Capacity of the Network

- TEA
  - Customizing supports/service for growing CCRSM Network
  - Offering webinars to better understand TEA resources (e.g., OBM Summary Reports, Designation Application, Grants)
  - Sharing our expertise in LMI, WBL and POS to support your pathways
  - Working to develop new suite of resources and PD in partnership with ESCs
  - Seeking your input as we being the revision process for the ECHS Blueprint
  - Seeking your input as we explore need for middle school T-STEM Blueprint
Continuous Improvement

Building the Capacity of the Network

- Educate Texas
  - Coaches will help you understand your OBM campus data and prioritize efforts for campus improvement
  - Coaches will deepen our community of practice to leverage experience and best practices of campus leaders and IHE/industry partners
  - Coaches will serve as a thought partner for increasing fidelity to BP design and improving required products
  - Regional Managers will utilize cross-sector approach for addressing ongoing barriers to student success
## T-STEM 2019-2020 Timeline

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<th>Host</th>
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<td>Coach Site Visits Launch Ongoing Support</td>
<td>Educate Texas</td>
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<td>September 2019</td>
<td>Planning Application Window Opens Online*</td>
<td>TEA</td>
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<tr>
<td>September-October 2019</td>
<td>CCRSM Regional Convenings</td>
<td>Educate Texas</td>
</tr>
<tr>
<td>October 2019</td>
<td>Planning Application Informational Webinar*</td>
<td>TEA</td>
</tr>
<tr>
<td>November 2019</td>
<td>Planning Application Window Closes*</td>
<td>TEA</td>
</tr>
<tr>
<td>December 2019</td>
<td>CCRSM Regional Convenings - Campus Site Visits</td>
<td>Educate Texas</td>
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<tr>
<td>January 2020</td>
<td>New Planning Campuses Announced*</td>
<td>TEA</td>
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<tr>
<td>January 2020</td>
<td>Renewal Designation Window Opens</td>
<td>TEA</td>
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<tr>
<td>January-February 2020</td>
<td>CCRSM Regional Convenings</td>
<td>Educate Texas</td>
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<tr>
<td>February 2020</td>
<td>Renewal Designation Window Closes</td>
<td>TEA</td>
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<tr>
<td>March-May 2020</td>
<td>CCRSM Regional Convenings - Campus Site Visits</td>
<td>Educate Texas</td>
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<tr>
<td>May 2020</td>
<td>Renewal Designation Announcement</td>
<td>TEA</td>
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<tr>
<td>June 2020</td>
<td>CCRSM Statewide Leadership Summit</td>
<td>Educate Texas</td>
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*Activities for campuses intending to join CCRSM Network
**Fall Regional Convenings**

*Plan to attend with 2-3 from your campus leadership team and your district liaison.*

<table>
<thead>
<tr>
<th>City</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>Lubbock</td>
<td>September 17, 2019</td>
</tr>
<tr>
<td>Houston</td>
<td>September 19, 2019</td>
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<tr>
<td>Frisco</td>
<td>September 25, 2019</td>
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<tr>
<td>Austin</td>
<td>October 1, 2019</td>
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<tr>
<td>El Paso</td>
<td>October 8, 2019</td>
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<tr>
<td>Tyler</td>
<td>October 10, 2019</td>
</tr>
<tr>
<td>Harlingen</td>
<td>October 16, 2019</td>
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</tbody>
</table>
Join Us

- TEA is going through process to solicit feedback for ECHS Blueprint in 2019-20 and T-STEM & P-TECH Blueprints in 2020-21
  - Provide your input on CCRSM Blueprints Revision
  - Learn about statewide OBM data and opportunities for improvement
<table>
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<tr>
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<th>Date</th>
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<tbody>
<tr>
<td>Plano</td>
<td>January 21, 2020</td>
</tr>
<tr>
<td>Harlingen</td>
<td>January 23, 2020</td>
</tr>
<tr>
<td>Lubbock</td>
<td>January 28, 2020</td>
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<tr>
<td>Houston</td>
<td>January 30, 2020</td>
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<tr>
<td>Tyler</td>
<td>February 5, 2020</td>
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<tr>
<td>El Paso</td>
<td>February 12, 2020</td>
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<tr>
<td>San Antonio</td>
<td>February 20, 2020</td>
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</tbody>
</table>

*Plan to attend with 2-3 from your campus leadership team and your district liaison.*
Share Your Story!

- Share with other campus/IHE leaders what you love about the CCRSM Network
- Invite community partners on a site visit to learn from your students
- Share your pictures with Educate Texas
- We are building case studies of your great partnerships & excellence
- Your application narrative is critical => we use and share
Technical Assistance Provider
- Community of Practice, Resources & Calendar of Events

Texas Education Agency: Resources & Info
- CCMP Division Homepage
- CCRSM Homepage
- CCRSM Designation Portal
- P-TECH Program
- Industry Cluster Innovation Academy
- CTE Information & Resources
- Funding for CTE
- Campus, District & Statewide Data
- Texas Schools Report Card
T-STEM: Question & Answer
We Want to Hear From You!

Please type your questions in Poll Everywhere.

Respond at https://pollev.com/edtx3

Text edtx3 to 22333 to join, then share
Your Voice is Important

- If you have specific thoughts about the T-STEM Blueprint or about the development of a middle school Blueprint, please let us know.

- Complete our Survey
  - Filter for each CCR School Model you are implementing
  - 3 Open-ended questions
    - 6 Benchmarks
    - OBMs
    - Other comments

https://tea.co1.qualtrics.com/jfe/form/SV_d0AETcrqDMD5Pc9
Christine Bailie, M.P.Aff.
Assistant Director, Postsecondary Preparation Programs
Division for College, Career and Military Preparation

Krystal Garza, M.A.
Statewide Coordinator for College & Career Ready School Models
Division for College, Career and Military Preparation

CCRSM Network and OBM/TEAL Inquiries: ccrsm@tea.texas.gov
Appendix – Required Products
## T-STEM Required Products

<table>
<thead>
<tr>
<th>Benchmark</th>
<th>Products</th>
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</table>
| **1: School Design** | • Annual training and professional development calendar and plan for teachers  
• Mentor/induction program plans  
• T-STEM leadership meetings and agenda notes |
| **2: Target Population** | • Written admission policy and enrollment application  
• 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  
• Brochures and marketing in Spanish, English, and/or other relevant language(s)  
• Written communication plan for targeting identified audiences, parents, community members, school board, higher education personnel, etc. |
<table>
<thead>
<tr>
<th>Benchmark</th>
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</table>
| **3: Strategic Alliances**    | • Meeting agendas and minutes, with action items and decision logs  
• Final, signed and **executed MOU with IHE**  
• Final, signed and **executed MOU with business/industry partner**  
• A **list of strategic partners** with each member’s organization, title, and role in providing work-based learning for students by grade level |
| **4: Curriculum, Instruction & Assessment** | • 4-year **crosswalk document**  
• Master schedule  
• Curriculum alignment documents  
• **Testing calendar** and schedule for TSI, ACT, and SAT  
• Documentation detailing a minimum of **3 course of study examples** that outline student pathways from HS, to associate degree, to industry certifications & beyond |
## T-STEM Required Products

<table>
<thead>
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| **5: Work-Based Learning** | • Documentation of appropriate **work-based learning experiences** available for students at all grade levels (6-12)  
• Current dated regional **high demand STEM occupation list**  
• **Aggregate data** describing T-STEM student participation in **work-based learning** experiences as well as percentage of students earning **industry certification & credentials** by type |
| **6: Student Support** | • **Bridge program** calendar and curricula  
• Tutoring and other **intervention/remediation program schedules**  
• Calendar of **family outreach events**  
• Schedule of regularly scheduled **counseling/advisory events** and records of completion of these support services |