

Board of Trustees

Education and Workforce Development Committee Meeting

Thursday, June 15, 2017

3:00 p.m.

Ann Richards Administration
Building, Board Room
Pecan Campus
McAllen, Texas



In the Making!

Online Copy

South Texas College
Board of Trustees
Education and Workforce Development Committee
Ann Richards Administration Building, Board Room
Pecan Campus, McAllen, Texas
Thursday, June 15, 2017 @ 3:00 p.m.

AGENDA

“At anytime during the course of this meeting, the Board of Trustees may retire to Executive Session under Texas Government Code 551.071(2) to confer with its legal counsel on any subject matter on this agenda in which the duty of the attorney to the Board of Trustees under the Texas Disciplinary Rules of Professional Conduct of the State Bar of Texas clearly conflicts with Chapter 551 of the Texas Government Code. Further, at anytime during the course of this meeting, the Board of Trustees may retire to Executive Session to deliberate on any subject slated for discussion at this meeting, as may be permitted under one or more of the exceptions to the Open Meetings Act set forth in Title 5, Subtitle A, Chapter 551, Subchapter D of the Texas Government Code.”

- I. Approval of Minutes for Tuesday, May 9, 2017 Committee Meeting..... 1 – 5
- II. Presentation on the South Texas College 2017 Robotics & Automation Summer Camp
.....6 -12
- III. Presentation on South Texas College’s University Relations, Transfer and Articulation Center
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Approval of Minutes for Tuesday, May 9, 2017 Committee Meeting

The Minutes for the Education and Workforce Development Committee meeting of Tuesday, May 9, 2017 are presented for Committee approval.

**South Texas College
Board of Trustees
Education and Workforce Development Committee
Ann Richards Administration Building, Board Room
Pecan Campus, McAllen, Texas
Tuesday, May 9, 2017 @ 2:30 p.m.**

MINUTES

The Education and Workforce Development Committee Meeting was held on Tuesday, May 9, 2017 in the Ann Richards Administration Building Board Room at the Pecan Campus in McAllen, Texas. The meeting commenced at 2:36 p.m. with Mrs. Graciela Farias presiding.

Members present: Mrs. Graciela Farias, Dr. Alejo Salinas, Jr., and Mr. Gary Gurwitz

Other Trustees present: Mr. Paul R. Rodriguez

Members absent: Mr. Jesse Villarreal

Also present: Dr. Shirley A. Reed, Dr. David Plummer, Mr. Matthew Hebbard, Dr. Anahid Petrosian, Dr. Laura Sanchez, Dr. Fernando Chapa, and Mr. Andrew Fish

The Finance, Audit, and Human Resources Committee considered the following item out of the posted agenda order:

Review and Discussion of South Texas College's Fact Book and Key Performance Indicators

South Texas College Fact Book is available online, and provides relevant and timely data used to guide the institution and to report on the College's performance. The STC Fact Book accessible by the public through the College's website.

The STC Fact Book includes reporting on the STC Key Performance Indicators (KPIs) which are used to evaluate student success at each stage of their pathway, from enrollment through post-graduation success.

Dr. Laura Sanchez, Associate Dean of Institutional Research and Effectiveness, provided a guided tour of the STC Fact Book. She discussed the process that administration undertook to identify the KPIs commonly used to evaluate student success at South Texas College, both internally and externally.

South Texas College Fact Book

The Fact Book includes the following sections:

Student Achievement Goals

South Texas College evaluates student achievement through the STC Key Performance Indicators (KPIs). Key Performance Indicators have been defined across six focus areas of student achievement: Enrollment, College Readiness, Progress, Completion, Transfer, and Post-Graduation Success in order to evaluate success along the entire student pathway. The KPI's are utilized as metrics for measuring progress towards the Comprehensive Mission of South Texas College.

Enrollment

Provides information about college Traditional Enrollment and Dual Matriculation.

College Readiness

Provides information about TSI completion rates of STC Developmental students.

Progress

Provides information about Persistence, First College-Level Course Completion, Credits Earned, and Successful Course Completion.

Completion

Provides information about Graduation Rates and Degrees & Certificates Awarded.

Transfer

Provides information about STC students who are transferring to a Senior institution.

Post Graduation Success

Provides information about Licensure Exam Passing Rates and Graduate Placement Rate.

Finance

Provides several years of Finance Statistics Reports.

South Texas College Key Performance Indicators

The Key Performance Indicators (KPIs) are:

Traditional Enrollment - Growth in Traditional enrollment.

- A. Fall to Fall*
- B. Spring to Spring*
- C. Summer to Summer*

Dual Matriculation - Matriculation of Dual Enrollment Graduating Seniors to STC the Fall Semester following graduation.

Students who meet TSI Obligation - Percent of underprepared students who satisfy a TSI obligation in Math, Reading, and Writing within 1 year

Persistence - Fall to Fall Persistence Rates

1st College-Level Course Completion - *Completion of First College Level Course in Math, Reading and Writing*

Credits Earned - *Number of students who complete 15 credit hours during the academic year*

Credits Earned - *Number of students who complete 30 credit hours during the academic year*

Successful Course Completion - *Overall successful course completion rate per semester*

Graduation Rate - *Full Time/Part Time 3 year Graduation Rates*

Degrees and Certificates Awarded - *Number of baccalaureate, associated degrees, and certificates awarded per academic year*

Transfer - *Percent of students transferring to a Senior institution*

Licensure Exam Passing Rates - *Percent of student who pass applicable licensure exams required for professional practice*

Graduate Placement Rate - *Placement of technical Graduates in the-fourth quarter after graduation*

In addition to the STC Fact Book and Key Performance Indicators, the Office of Research and Institutional Effectiveness provides the public with access to collect and understand additional data about South Texas College through its website.

Data and Reporting Integrity

The Fact Book and Key Performance Indicators are managed according to a clearly defined data set, which allows the College and its stakeholders to verify that the source(s) and comparison of data over time are consistent and clear. When appropriate, the data used in the Fact Book is gathered from external sources, such as the Texas Higher Education Coordinating Board (THECB), which independently audits all information prior to publication. This provides strong confidence in the integrity of the data.

For data reported internally by the College, research briefs are published online whenever possible, and all methodology is rigorously monitored and subject to audit, including by the College's accrediting bodies.

Use of Data in College Administration

The KPI data is updated according to a published schedule, and historical data is maintained to allow College administration to track progress and to evaluate its initiatives based upon concrete student success data. This helps the College ensure that its resources are allocated wisely and in accordance with its Strategic Initiatives.

This presentation was provided for the Education and Workforce Development Committee's information and feedback to staff. No action was requested.

Approval of Minutes for Tuesday, April 11, 2017 Committee Meeting

Upon a motion by Mr. Gary Gurwitz and a second by Dr. Alejo Salinas, Jr., the Minutes for the Education and Workforce Development Committee meeting of Tuesday, April 11, 2017 were approved as written. The motion carried.

Adjournment

There being no further business to discuss, the Education Workforce Development Committee Meeting of the South Texas College Board of Trustees adjourned at 3:45 p.m.

I certify that the foregoing are the true and correct Minutes of the May 9, 2017 Education and Workforce Development Committee of the South Texas College Board of Trustees.

Mrs. Graciela Farias
Presiding

Presentation on the South Texas College 2017 Robotics & Automation Summer Camp

The South Texas College Institute for Advanced Manufacturing started the Robotics & Automation Summer Camp in 2015, as a way to engage young students and develop an interest in robotics, computer science, engineering, math, automation, and advanced manufacturing.

Students ranging from elementary through high school are divided into camps based on age and activity. Each camp meets for four hours daily, for one week, and gives participants a meaningful, hands-on exposure to the real world use of robotics and automation used in advanced manufacturing.

Mr. Carlos Margo, Associate Dean for Industrial Training and Economic Development, will present on the history of the summer camps, as well as the plan for 2017. Since the program started with 62 students in 2015, it has grown to serve over 400 students this year, and helps young students develop an interest in pursuing high skilled training in related fields.

This presentation is provided for the Education and Workforce Development Committee's information and feedback to staff. No action is requested.

2017 Robotics & Automation Summer Camp

at South Texas College



Background

- Learning opportunity for youth who are interested in robotics, computer science, engineering, math, automation technology or advanced manufacturing.
- Two age groups: 8—12 and 13—17 year olds.
- Involves various aspects of automation and real-life robotics technology.
- Applications of advanced manufacturing technologies.



Enrollment Trend

2015—62

2016—128

2017—400+

2018—anticipating over 800



Three Levels

Camp A: Lego Ev3 MINDSTORMS Robotics System

Camp B: Festo Automation

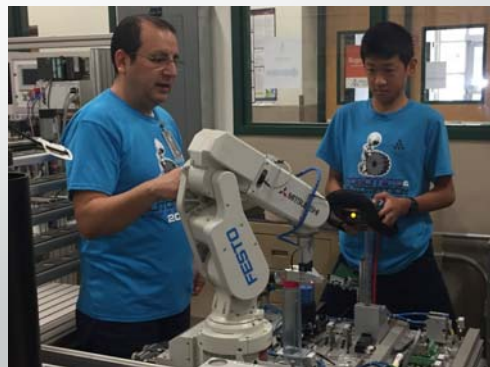
Camp C: **FIRST Tech Challenge**

Lego Ev3 MINDSTORMS Robotics System (Camp A)

- Students design and build programmable robots using motors, sensors, gears, wheels, axles, and other technical components.
- Understand and interpret two-dimensional drawings to create three-dimensional models; build, test, troubleshoot and revise designs using mathematics and other concepts.

Festo Automation (Camp B)

- Students will be introduced to some of the technologies used in real world automation . The students will learn to operate STC's Festo Didactic equipment.
- Technologies:
 - Direct current (DC) basics (low voltage 24VDC)
 - Pneumatics/Electro-pneumatics
 - Programmable logic Controllers (PLCs)
 - Robotics programming



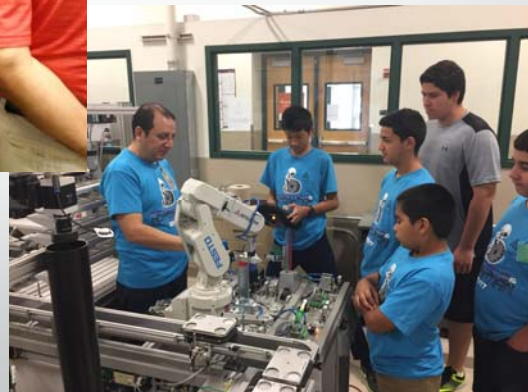
FIRST Tech Challenge

(Camp C)

- *FIRST*Tech Challenge teams (10+ members, grades 7-12) are challenged to design, build, program, and operate robots to compete in a head-to-head challenge in an alliance format.
- Students develop STEM skills and practice engineering principles
- Documented impact: Over 86% of students have more interest in doing well in school and 87% are more interested in attending college.

Current Camp





Future Plans

- Double enrollment in 2018 by utilizing additional automation lab space in the new Technology Campus Southwest Building.
- Contract with school districts to deliver year-round engineering practicums and related training programs.
- Continue building technology capacity.
- Establish STC competition teams for programs such as First RGV and others.

Presentation on South Texas College's University Relations, Transfer and Articulation Center

The South Texas College University Relations, Transfer, and Articulation Center was opened on September 20, 2013 with the mission of providing information, guidance, and pathways to students desiring to continue their education at another institution of higher learning.

The Center promotes student awareness of opportunities for further educational pursuits by providing advising, supporting study abroad, hosting visitors from other institutions of higher education, and by developing strong partnerships and articulation agreements that provide our students with seamless transfer and clear pathways to achieve their goals.

Dr. Kelli Davis, University Relations, Transfer, & Articulation Center Officer, and Dr. Ali Esmaeili, Dean of Math, Science, and Bachelor Programs, will present to the Committee on the great work of this Center.

This presentation will highlight the services offered by the Center, the visits to South Texas College campuses by institutions of higher education, and the partnership agreements signed with these institutions. The University Relations, Transfer, and Articulation Center provides a greatly needed service to students seeking academic and career training after achieving their goals at South Texas College.

This presentation is provided for the Education and Workforce Development Committee's information and feedback to staff. No action is requested.



University Relations, Transfer and Articulation Center

Presentation for Education & Workforce Development Committee

Thursday, June 15, 2017

Presenters:

Dr. Kelli Davis, University Relations, Transfer & Articulation Center Officer

Dr. Ali Esmacili, Dean of Math, Science, and Bachelor Programs

Outline

- Background
- Mission and Goals
- Services Offered
- Activity Data
- Accomplishments
- Future Office Needs



Background

- **University Relations, Transfer and Articulation Center (URTAC)** operation began on September 20, 2013 under the leadership of Dr. Ali Esmaili & Dr. David Plummer.
- The Center is housed in the Division of Math, Science and Bachelor Programs.



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URTAC Mission

The University Relations, Transfer and Articulation Center (URTAC) serves the students of South Texas College by **providing information, guidance and pathways** for those pursuing their education at transfer institutions of higher learning by **creating clear pathways to degree** attainment through the creation of 3+1 and 2+2 relationships with partner colleges and universities both in the state of Texas and beyond.

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Space and Staff

Space

- Currently located in Suite H 105 with 3 Offices
 - 1 for the University Relations Officer
 - 1 assigned to the UTeach Program
 - 1 available for visitors
- Reception area
- Computer lab with 8 computers & a small table
- Storage closet

Staff

- **One full-time Staff** (University Relations Officer)



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URTAC Center Goals

- Advising & supporting seamless transfer
- Supporting study abroad programs
- Hosting visitors from other IHEs
- Developing strong partnerships
- Creating articulation agreements & memorandums of understanding
- Establishing clear pathways

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Services Offered – University Relations

- Act as a **liaison** for visitors from other universities
- Provide a **point of contact** for visitors from other schools who would like to visit South Texas College
- **Initiate** communication with other institutions whom we are interested in partnering with on projects



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Services Offered – Transfer

- **Provide** a location for representatives visiting from other schools to recruit students
- Maintain **current transfer information** and make it available to students who are interested
- **Counsel** students who are considering transferring on what steps they need to take
- Give **presentations** to groups of students and counselors on an as requested basis



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Services Offered - Articulation

- Serve as a **starting point and advisor** to departments and outside institutions looking to create articulation agreements.
- Serve as main office at the College that **maintains all articulation agreements**
- **Plan** and **coordinate** all articulation agreement signing ceremonies held on South Texas College Campuses.
- **Publish** all current articulation agreements on Center's website:

<http://academicaffairs.southtexascollege.edu/university-relations/>



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Services Offered – Study Abroad

- Oversee the development of **new Study Abroad programs**
- Planned for Summer 2018
 - **United Kingdom and India**
- Support and promote **existing study abroad programs to Spain.**



URTAC Center

Data

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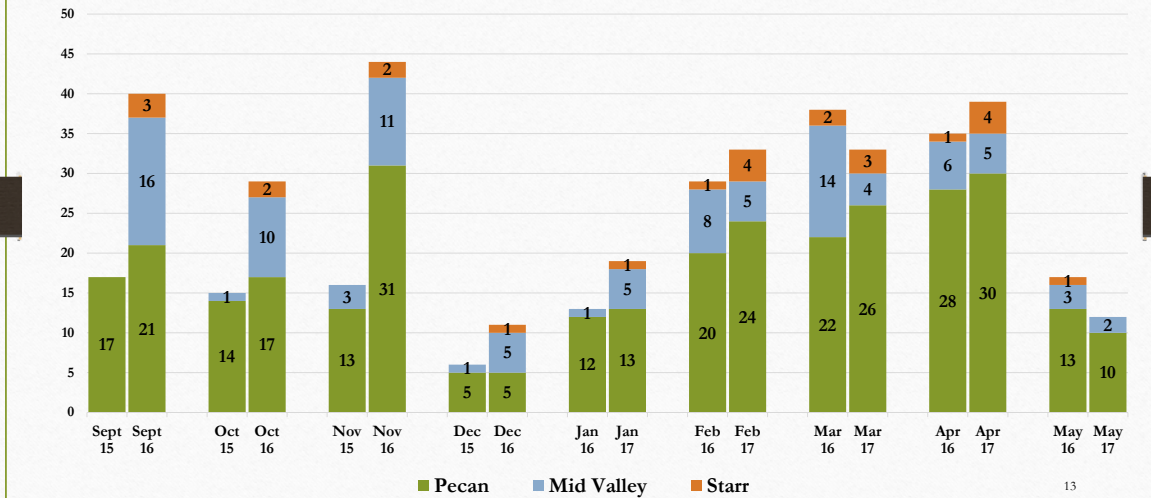
Transfer Visits

Academic Year 2016-2017

- 271 visits by higher education institutions
 - Pecan Campus – 177 Visits
 - Mid-Valley – 63 Visits
 - Starr County Campus – 20 Visits
 - Technology Campus – 7 Visits
 - Nursing and Allied Health Campus – 6 Visits
- The number of **transfer visits increased** from 2015-2016 by **94 Visits**

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Transfer Visits Comparison by Month AY 2015-2016 versus AY 2016-2017

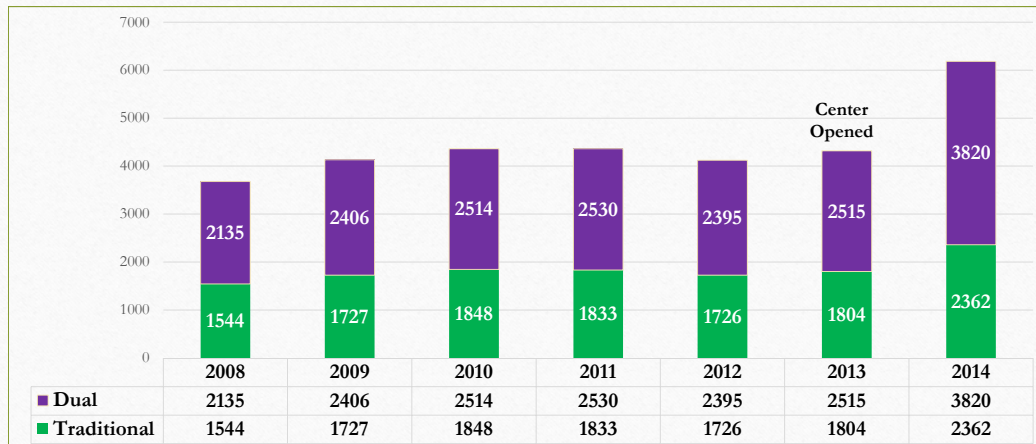


Partial List of Partners That Have Visited



Transfer Trends

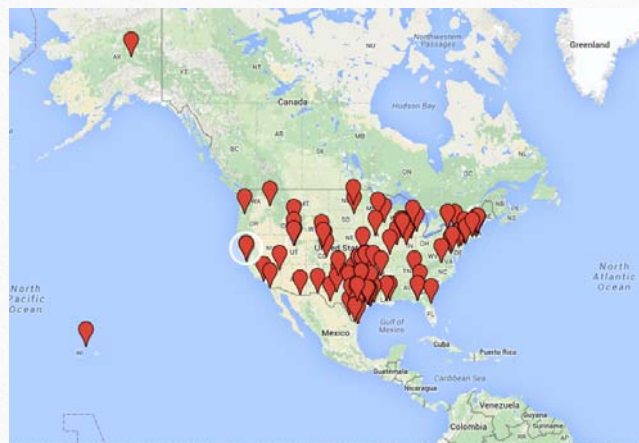
STC Traditional & Dual students transferring to universities



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Where are they going?

Each pin represents a different four-year institution that at least one of our students transferred to in the Fall of 2014.



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Top Transfer Universities

- The University of Texas – Rio Grande Valley
- The University of Texas at San Antonio
- Texas A&M University
- University of Texas at Austin
- Texas State University
- Texas A&M University – Kingsville
- Texas A&M International University
- University of Houston
- St. Edward's University
- Texas A&M University – Corpus Christi

Overview of Articulation Agreements

Number of Articulation Agreements

- United States : 109
 - UTRGV : 26
 - TAMUK : 6
 - Legacy agreements with UTPA/UTB: 40
 - UT system agreements (Non - UTRGV/UTB/UTPA): 4
 - Texas A&M University system agreements (Non-TAMUK): 4
 - Private Colleges/Universities: 12
- International : 4
- Transfer to Bachelor Programs : 1
- Study Abroad : 2

Legacy agreement – an agreement with one of the UT Legacy institutions.

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Current Agreements

Transfer Partner Institutions

United States

- Ashford University
- Baylor University
- Bellevue University
- Colorado State University – Global Campus
- Concordia University
- Excelsior College
- Georgetown University
- Grand Canyon University
- Midwestern State University
- National American University
- Our Lady of the Lake University
- Texas A&M University Health Science Center
- Texas A&M International University
- Texas A&M University – Kingsville
- Texas A&M University – Corpus Christi
- Texas State University
- Texas Tech University
- University of Houston
- University of Incarnate Word
- University of Phoenix
- University of Texas at Arlington
- University of Texas – Dallas
- University of Texas Health Science Center
- University of Texas Medical Branch
- University of Texas – Rio Grande Valley
- University of Texas San Antonio
- Wayland Baptist University
- West International University
- Western Governors University

International Institutions

- Canterbury Christ Church University (United Kingdom)
- Instituto Internacional de Estudios Superiores de Reynosa (México)
- Universidad Autónoma de Nuevo Leon (México)
- Universidad Tecnológico de Gutierrez Zamora (México)

Transfer Into Bachelor's Programs

- Domestic :** Laredo Community College
- International:** The China Project with Baocheng Education Group

Study Abroad:

- M.S. Panwar Vocational and Technical College (India)

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In-Progress Agreements

There are 37 agreements in-progress with the following institutions:

Partnership	Department
TAMUK	<ul style="list-style-type: none"> Social Work General MOU (2) Criminal Justice Computer Science History Communication Drama Art Biology Chemistry American Sign Language (to Communication Sciences & Disorders) History Sociology English Spanish Mathematics Music Physics Architectural & Engineering Design Technology
Seminole State College	<ul style="list-style-type: none"> Information Technology Digital Forensics Computer Maintenance Technology Computer Specialist Computer and Advanced Technology

Continued in next slide

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In-Progress Agreements

Partnership	Department
Stephen F. Austin State University	• ADN Program
University of Phoenix	• ADN Program
Chamberlain College of Nursing	• ADN Program
UTSA	• Communication
TAMUCC	• Communication
UT-Austin	• Drama
Sam Houston State University	• Drama
TAMUCC	• Drama
Texas Southmost College	• Bachelor's Program
Austin Community College	• Bachelor's Programs
TAMU	• Pre-Pharmacy

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Accomplishments

2016-2017

- **Signed 26** Articulation Agreements (2 +2) with the University of Texas – Rio Grande Valley & an agreement between the South Texas College **Honors Program** and UTRGV Honors College to allow the transfer of honors credit
- Signed an agreement with **Excelsior College** to allow our A.A.S. degree earners to matriculate into their programs.
- **College Fairs** expanded to include partner high schools
- Signed agreements with **Baylor University, Excelsior College, and UTRGV.**
- **Held an Articulation meeting with Texas A&M University – Kingsville College of Arts and Sciences**
- Upcoming agreement with **Texas Southmost College: July 10th 2017.**

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**Thank you
for your support!**

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