

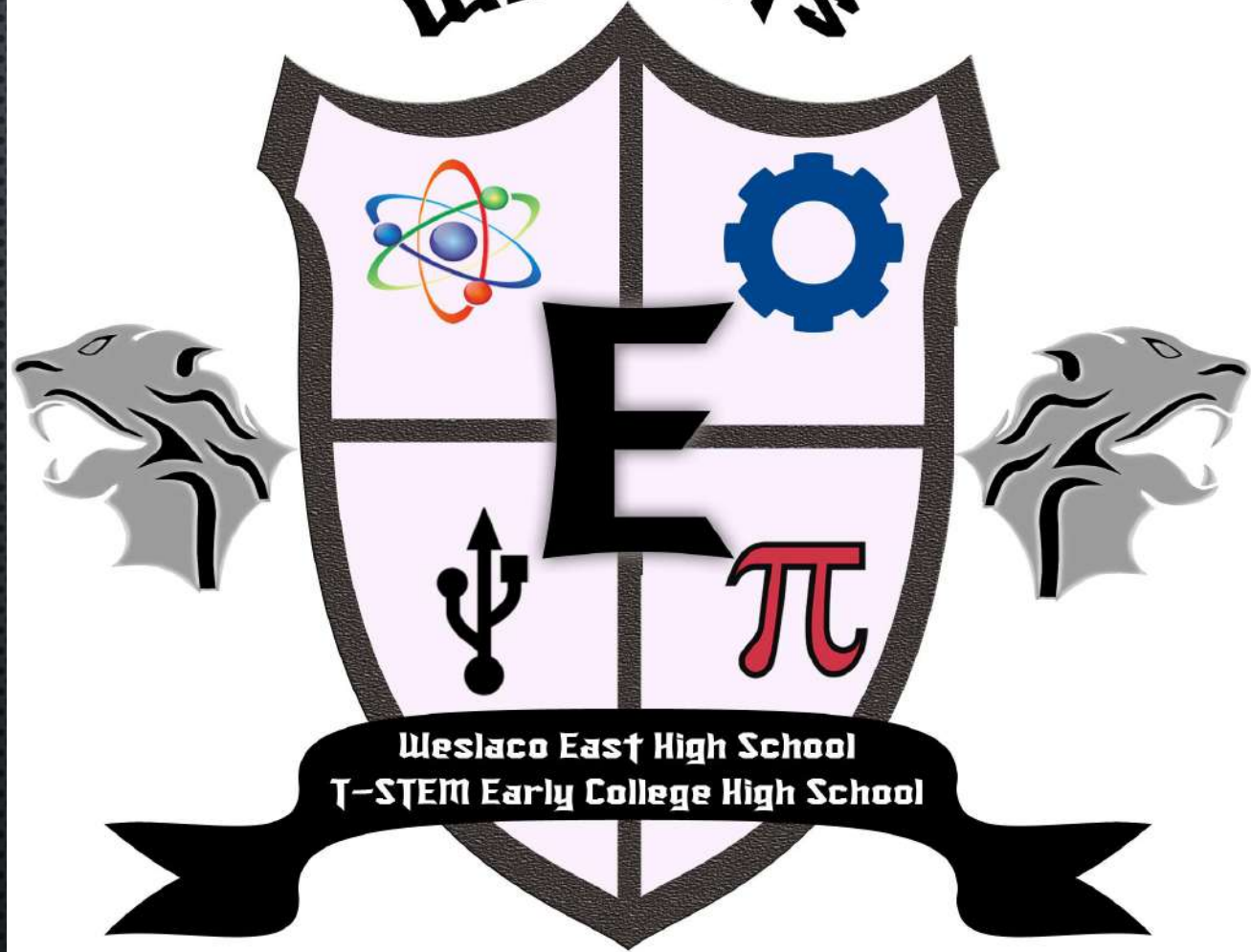
WESLACO EAST

T-STEM EARLY COLLEGE HIGH SCHOOL

T-STEM ECHS STAFF

- DR. RAUL CANTU
PRINCIPAL
- MELISSE KRINK & CYNTHIA F. CID
ADMINISTRATORS
- ELVIRA MARTINEZ
COUNSELOR
- CAREY BOLEACH
COUNSELOR
- DESIGN TEAM- T-STEM ECHS TEACHERS

Wildcats



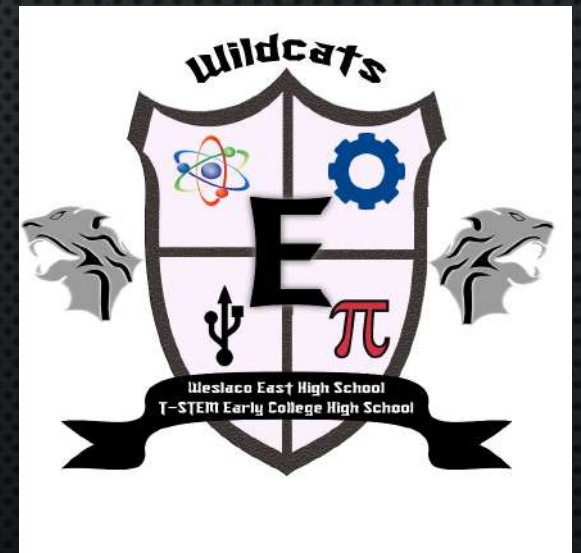
**Weslaco East High School
T-STEM Early College High School**

What is a T-STEM school?

<https://www.youtube.com/watch?v=HxuEHhERFIQ>

➤ STEM Video:

- Texas Science, Technology, Engineering and Mathematics (T-STEM)
- rigorous secondary school focusing on improving instruction and academic performance in science and mathematics-related subjects and increasing the number of students who study and enter STEM careers.
- 132 T-STEM Academies in Texas
- WEHS model: school within a school



T-STEM ECHS Mission and Vision

Mission:

The mission of Weslaco ISD's T-STEM Early College High School is to cultivate interest in STEM careers and prepare students through rigorous, engaging and innovative instruction.

Vision:

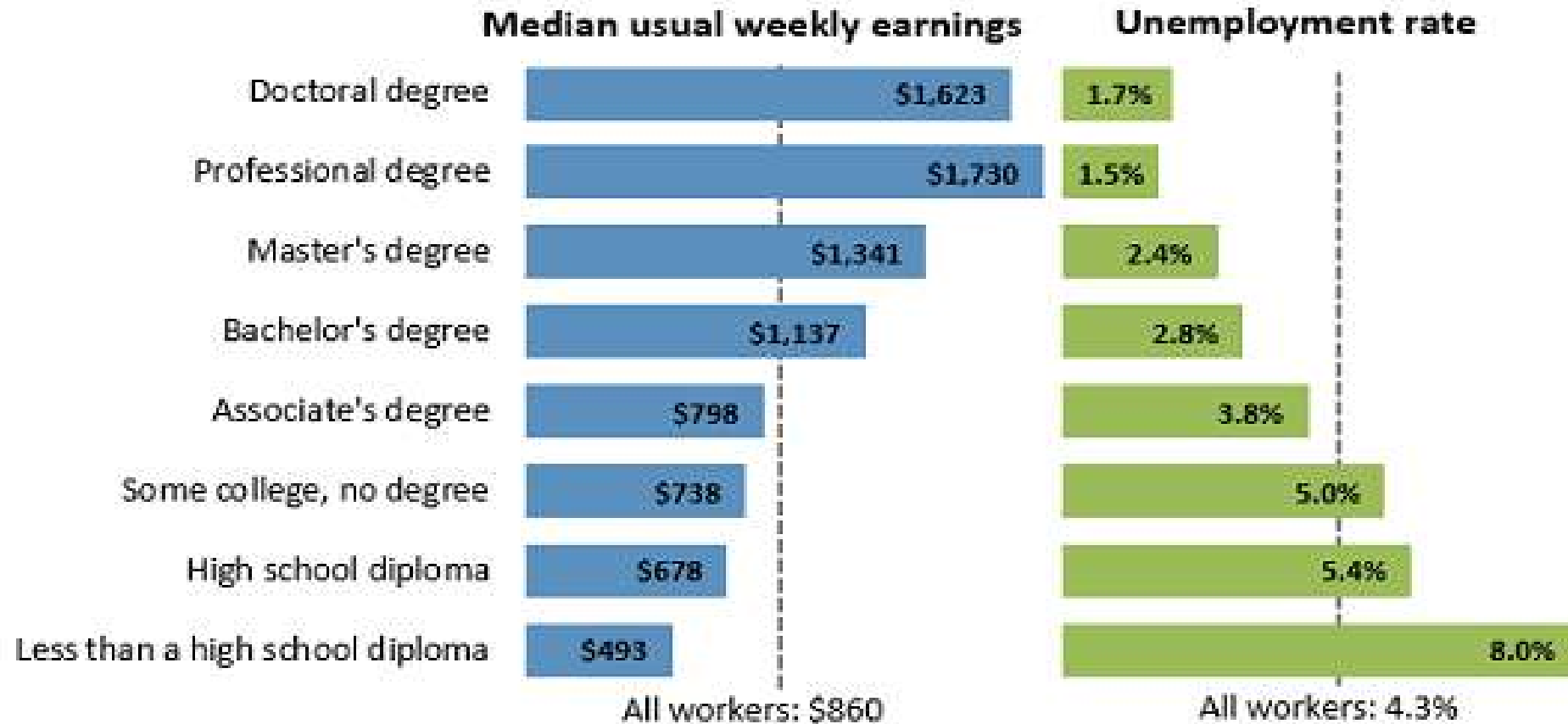
Our vision at Weslaco ISD's T-STEM Early College High School is to increase the number of professionals in the fields of science, technology, engineering and mathematics in the Rio Grande Valley.

RESEARCH FINDINGS FOR EARLY COLLEGE HIGH SCHOOLS

- EARLY COLLEGE HIGH SCHOOL STUDENTS _____
- COMPLETE KEY COLLEGE PREP COURSES AT A HIGHER RATE (SERVE CENTER, UNC GREENSBORO)
- ARE MORE LIKELY TO SCORE PROFICIENT ON STATE TESTS (SRI INTERNATIONAL)
- REPORT MORE RIGOROUS AND RELEVANT INSTRUCTION (SERVE CENTER, UNC GREENSBORO)
- GRADUATE HIGH SCHOOL, ENROLL IN COLLEGE, AND COMPLETE COLLEGE AT HIGHER RATES (AIR)

EDUCATION PAYS LAY THE FOUNDATION FOR SUCCESS

Earnings and unemployment rates by educational attainment, 2015



Note: Data are for persons age 25 and over. Earnings are for full-time wage and salary workers.

Source: U.S. Bureau of Labor Statistics, Current Population Survey

EDUCATION PAYS LAY THE FOUNDATION FOR SUCCESS



HOW MUCH DOES COLLEGE COST?

Type of College	Average Published Yearly Tuition and Fees
Public Two-Year College (in-district students)	\$3,440
Public Four-Year College (in-state students)	\$9,410
Public Four-Year College (out-of-state students)	\$23,890
Private Four-Year College	\$32,410

WESLACO EAST

T-STEM EARLY COLLEGE PROGRAMS

Associate of Science with a Field Study in Biology

Associate of Science with a Field Study in Math

Associate of Science with a Field Study in Engineering

Associate of Science with a Field Study in Computer Science

Associate of Arts Degree with a Field Study in Interdisciplinary Studies

Certificate in Medical Assistant Technology

GENERAL BIOLOGY PROGRAM

60 CREDIT HOURS

ASSOCIATE OF SCIENCE DEGREE WITH A FIELD OF STUDY IN BIOLOGY OFFERS STUDENTS THE OPPORTUNITY TO TAKE CORE CURRICULUM OF GENERAL EDUCATION WITH AN EMPHASIS IN BIOLOGY.

MANY EXCITING CAREER OPPORTUNITIES ARE AVAILABLE IN THE BIOLOGICAL SCIENCES. STUDENTS SHOULD BEAR IN MIND THAT MANY OF THE CAREER AREAS LISTED REQUIRE TRAINING BEYOND AN ASSOCIATE OF SCIENCE DEGREE AND SOME WILL REQUIRE A POST-GRADUATE DEGREE.

AGRICULTURE TOXICOLOGY PHARMACOLOGY MOLECULAR BIOLOGY MEDICAL RESEARCH
DENTISTRY WILDLIFE BIOLOGY SCIENCE EDUCATION PHYSICAL THERAPY
ENVIRONMENTAL SCIENCE BIOTECHNOLOGY VETERINARY SCIENCE HEALTH SCIENCE
GENETIC ENGINEERING DIETARY RESEARCH MEDICINE
MARINE SCIENCE FORENSIC SCIENCE MICROBIOLOGICAL RESEARCH

GENERAL MATH PROGRAM

60 CREDIT HOURS

ASSOCIATE OF SCIENCE DEGREE WITH A FIELD OF STUDY IN MATHEMATICS OFFERS STUDENTS THE OPPORTUNITY TO TAKE CORE CURRICULUM OF GENERAL EDUCATION WITH AN EMPHASIS IN MATHEMATICS.

MATHEMATICS MAJORS HAVE MANY POTENTIAL CAREER OPPORTUNITIES.

THIS PROGRAM PREPARES STUDENTS TO PROVIDE TECHNICAL ASSISTANCE IN BUSINESS, ENGINEERING SCIENCE, MEDICINE AND MANY OTHER FIELDS SUCH AS:

ACTUARY

CONSULTANT

OPERATIONS RESEARCHER

STATISTICIAN

TEACHER

ENGINEERING PROGRAM

60 CREDIT HOURS

ASSOCIATE OF SCIENCE DEGREE WITH A FIELD OF STUDY IN ENGINEERING OFFERS STUDENTS THE OPPORTUNITY TO TAKE CORE CURRICULUM OF GENERAL EDUCATION WITH AN EMPHASIS IN ENGINEERING.

A HIGH PERCENTAGE OF ALL THE TECHNICAL AND MANAGERIAL POSITIONS IN INDUSTRY ARE OCCUPIED BY ENGINEERS.

THIS PROGRAM PREPARES STUDENTS FOR TRANSFER TO A FOUR-YEAR INSTITUTION WHERE THEY CAN SPECIALIZE IN ALL ENGINEERING DISCIPLINES SUCH AS :

AEROSPACE	COMPUTER	MECHANICAL
AGRICULTURE	ELECTRICAL	NUCLEAR
BIOENGINEERING	ENVIRONMENTAL	PETROLEUM
CHEMICAL	INDUSTRIAL	RADIOLOGICAL HEALTH
CIVIL	MANUFACTURING	

COMPUTER SCIENCE PROGRAM

60 CREDIT HOURS

ASSOCIATE OF SCIENCE DEGREE WITH A FIELD OF STUDY IN COMPUTER SCIENCE IS DESIGNED FOR STUDENTS WHO PLAN TO PURSUE A BACCALAUREATE DEGREE AT STC OR TRANSFER TO A FOUR-YEAR UNIVERSITY TO PURSUE A BACCALAUREATE DEGREE IN COMPUTER SCIENCE OR COMPUTER SOFTWARE ENGINEERING.

IT IS ALSO DESIGNED TO PREPARE STUDENTS FOR ENTRY LEVEL POSITIONS IN THE FIELD OF COMPUTER SCIENCE.

CAREER OPPORTUNITIES MAY INCLUDE:

COMPUTER PROGRAMMER

PROGRAMMER ANALYST

SOFTWARE ENGINEERS

COMPUTER AND INFORMATION SCIENTIST

COMPUTER HARDWARE ENGINEERS

INFORMATION SECURITY ANALYSTS

INTERDISCIPLINARY STUDIES

60 CREDIT HOURS

THE ASSOCIATE OF ARTS DEGREE IN INTERDISCIPLINARY STUDIES PROVIDES STUDENTS WITH A BROAD BASED EDUCATION IN “COLLEGE BASICS” THAT PROMOTES CRITICAL THINKING SKILLS AND ALLOWS AN OPPORTUNITY TO MAKE AN INFORMED CHOICE IN EDUCATIONAL PREFERENCES.

FIELD OF STUDY HOURS 18-(MUST BE CHOSE FROM TWO OR MORE ASSOCIATE OF ARTS OR ASSOCIATE OF SCIENCE FIELD OF STUDY OPTIONS)

STC CORE CURRICULUM 42 HOURS

CERTIFICATE IN MEDICAL ASSISTANT TECHNOLOGY

39 CREDIT HOURS

MEDICAL ASSISTANTS ARE MULTI-SKILLED HEALTH CARE PROFESSIONALS WITH A STRONG BACKGROUND IN BASIC PATIENT CARE AND ASSESSMENT.

JOB DUTIES MAY INCLUDE:

- MEDICAL AND LABORATORY PROCEDURES (INCLUDING PERFORMING ROUTINE BLOOD AND URINE ANALYSIS)
- APPROPRIATE EMERGENCY MEDICAL CARE PROCEDURES
- MEDICAL OFFICE ADMINISTRATIVE PROCEDURES SUCH AS MANAGING MEDICAL RECORDS, MEDICAL TRANSCRIPTION, AND MEDICAL INSURANCE BILLING.

SAMPLE SCHEDULES (SPRING 9TH GRADE)

1A	BOYS BASKETBALL 1
1B	SPANISH 1 NN
2A	GEOMETRY PAP
2B	AVID 1
3A	BIOLOGY PAP
3B	SPEECH CC*
4A	WORLD HISTORY PAP
4B	ENGLISH 1 PAP

* TSI PASSING SCORE REQUIRED

SAMPLE SCHEDULES (10TH GRADE)

1A	MUSIC BAND 2
1B	SPANISH 2 NN
2A	ALGEBRA 2 PAP
2B	AVID 2
3A	CHEMISTRY 1 PAP
3B	STC ART APPRECIATION*
4A	US HISTORY CC*
4B	ENGLISH 2 PAP

* TSI PASSING SCORE REQUIRED

TEXAS SUCCESS INITIATIVE (TSI)

MATHEMATICS - 350

READING - 351

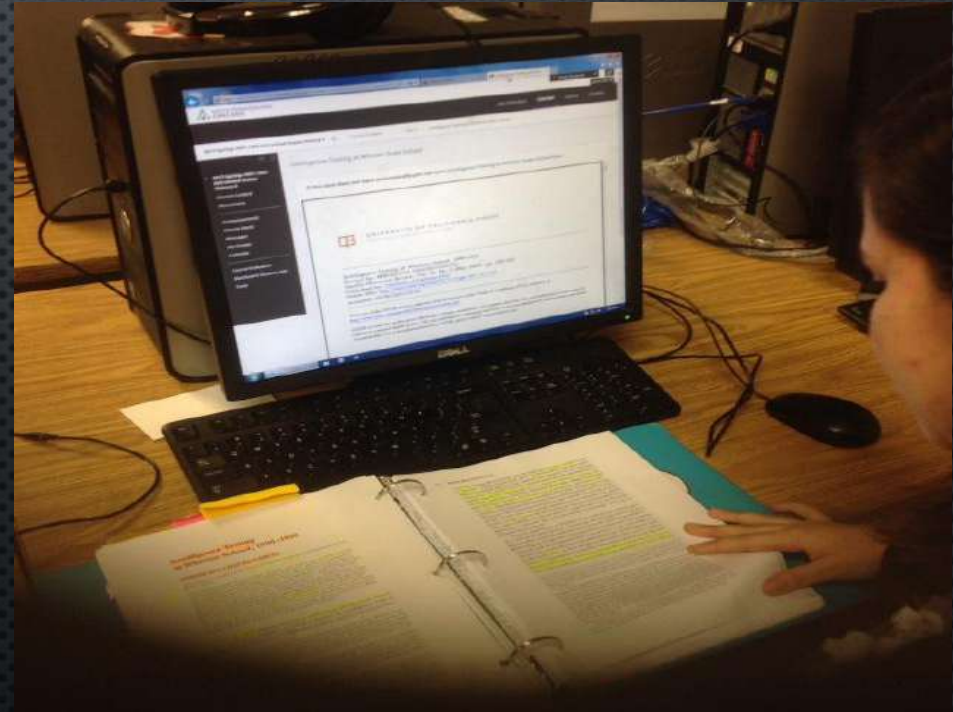
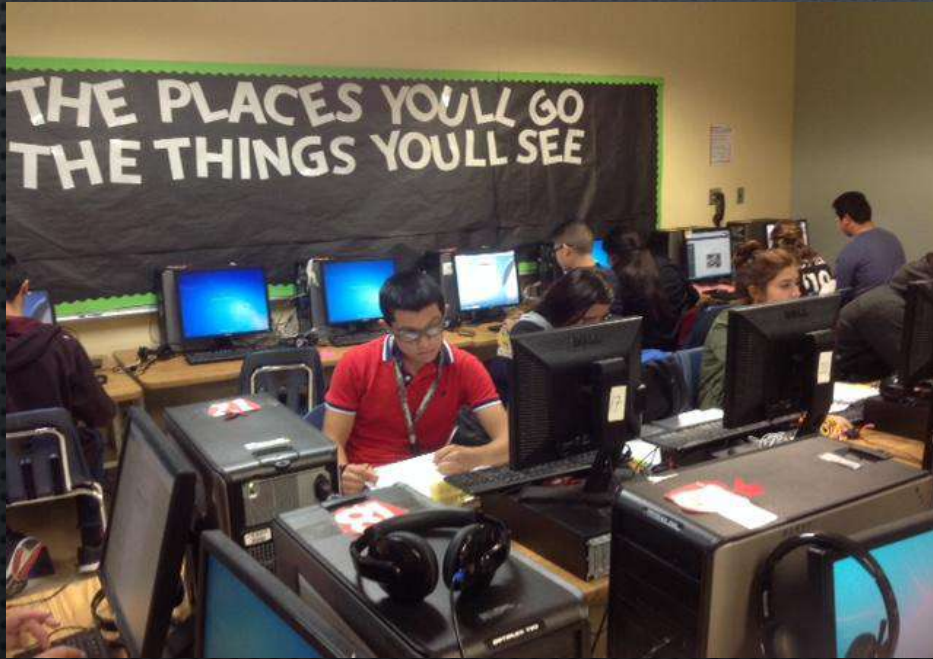
WRITING – ESSAY SCORE OF 4+ AND 340 MC

TOUR OF STC WESLACO CAMPUS

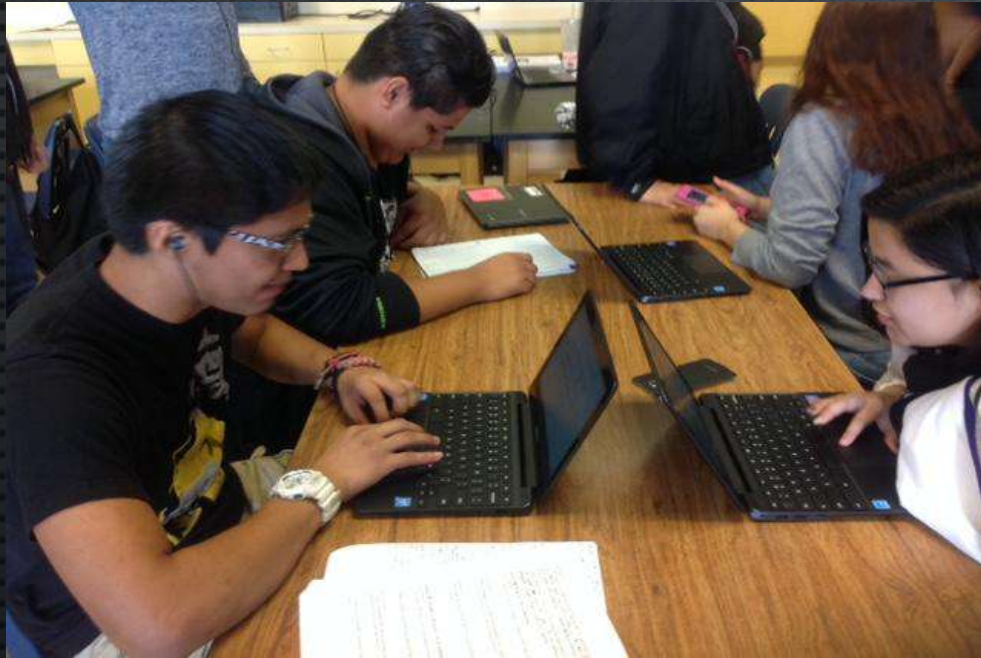


T-STEM ECHS STUDENTS IN ACTION

ONLINE COURSEWORK THROUGH **STC**



AVID TIME



T-STEM Early College HS Parent/Student Meeting

**February 10th @ Central Middle
School ****9:00 am******

**Online application
starts on February 10th**



CONTACT INFORMATION:

956.969.6950

CCID@WISD.US

MKRINK@WISD.US

- [HTTPS://WWW.YOUTUBE.COM/ATTRIBUTION_LINK?A=INJ-KQEWl1k&u=/WATCH%3Fv%3DYUW8OHN-0sE%26FEATURE%3DEM-SHARE_VIDEO_USER](https://www.youtube.com/attribution_link?a=INJ-KQEWl1k&u=/watch%3Fv%3DYUW8OHN-0sE%26feature%3DEM-SHARE_VIDEO_USER)
- [HTTPS://WWW.YOUTUBE.COM/WATCH?v=2tNTT8lXns&feature=EM-SHARE_VIDEO_USER](https://www.youtube.com/watch?v=2tNTT8lXns&feature=EM-SHARE_VIDEO_USER)