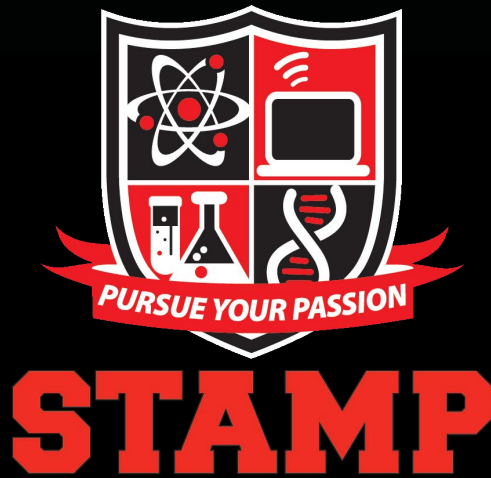




Brownsville Independent School District



Science, Technology and Medical Professions



College Prep. at all BISD High Schools



STUDENT/PARENT HANDBOOK Program Guidelines

STAMP - Science, Technology, and Medical Professions College Preparatory Program

SPACE – STEM Program for Aerospace, Architecture, and Careers in Engineering



Student/Parent Handbook

Program Guidelines

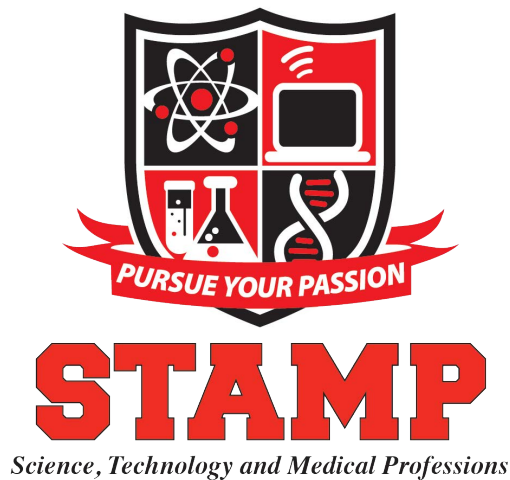
STAMP & SPACE College Preparatory Programs

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Brownsville Independent School District

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Mission Statement

STAMP & SPACE College Preparatory Programs

- STAMP & SPACE pledge to provide an Engineering, Architecture, Aerospace and Medical Professions program at all BISD High Schools recognized by its formation of students seeking careers in Health Care, Engineering, Aerospace and Architecture through a challenging curriculum that exposes them to critical thinking, field studies, hands-on projects, and research.
- At STAMP & SPACE, our passion is to shape individuals to become leaders in their chosen fields, dedicated to public service, social responsibility, and to encourage all students to pursue their passion.

STAMP & SPACE College Preparatory Programs

Program Goals

- Improve Mathematics and Science achievement among all Brownsville students.
- Provide support and correlate studies from the STEM program at the middle schools.
- Increase the number of students who study Engineering, Architecture, and Medical Professional careers.
- Provide students with the ability to earn college credits while attending high school.
- Increase the number of students who enter a post-secondary institution.

STAMP & SPACE College Preparatory Program Requirements

STAMP & SPACE Entrance Requirements:

- Students must be in the 8th grade and be promoted to the 9th grade
- Students must complete and pass 8th grade Algebra
- Students must meet expectations on the required mandated state assessments for promotion
- Students must achieve and maintain exemplary academic status.
- Students must submit an application
- Students must complete a one page essay on “Why I want to attend the STAMP or SPACE Program”
- Students must submit a recommendation form
- Students/Parents must sign a STAMP & SPACE contract and comply with all requirements of the contract

STAMP & SPACE Academic Requirements;

- Students (9-12) must complete and turn in their summer readings at the start of the school year.
- Students may ONLY take a dual core are course during the summer if the course is not offered by the school during the year.
- The STAMP & SPACE curriculum consists of all advanced classes; therefore, all core area classes must be taken Pre-AP/AP or Dual.
- Students must follow the sequence of courses listed in the Course Listing Guide.
- Every school year, STAMP & SPACE students must meet the eligibility criteria for the Pre-AP program.
- Students cannot make up classes through credit recovery, STARS, summer school, or any type of modules.
- Students must be placed in the STAMP or SPACE cohort.
- All STAMP & SPACE students (9-12) must maintain exemplary academic status.
- At the end of each semester any student (9-12) failing a core area class will be placed on academic probation.
- Any student (9-12), who is failing a core area class at the end of the year, will be removed from the STAMP or SPACE Program.
- A STAMP or SPACE student is able to furlough for a semester if the course is not being offered and /or by the approval of the principal.
- The STAMP & SPACE programs is a four year curriculum. All students must begin the program at the 9th grade level. *Extenuating circumstances must be reviewed by the program administrator.*

Benefits of the STAMP & SPACE program:

- STAMP & SPACE students belong to a cohort of teachers.
- STAMP & SPACE students follow the advanced curriculum program.
- The STAMP & SPACE programs are structured and disciplined.
- Being in the STAMP & SPACE programs enhances opportunities for resume building, portfolio's, etc.

Withdrawal from the STAMP or SPACE Program:

- Once a student withdraws from the STAMP or SPACE program, or is withdrawn by the program administrator he/she will **not** be able to return to the program.



BROWNSVILLE ISD
STAMP & SPACE
STUDENT-PARENT HANDBOOK ACKNOWLEDGEMENT FORM

Print Name of Student

School

Student ID #

Grade

STAMP & SPACE administration has adopted a Student/Parent handbook in order to develop and maintain a challenging and structured environment for all STAMP & SPACE students. We urge you to read this publication thoroughly and discuss it with your family. A hard copy is provided for you, and you may also view it online at www.bisd.us/stampspace. If you have any questions about the required policies and procedures, we encourage you to speak with the STAMP & SPACE administrator for further clarifications. Students and parents should each sign this page in the space provided below, and then return the page to the student's counselor.

I acknowledge that I have received a copy of the Brownsville ISD **STAMP & SPACE** Student/Parent Handbook. I understand that students will be held accountable for their behavior and will be subject to the disciplinary consequences outlined in this document as long as the student remains in the STAMP or SPACE program. This document remains in effect during summer school and at all school-related events and activities outside of the school year.

Signature of Parent/Guardian

Signature of Student

Date

For more information, call the STAMP & SPACE Office at (956) 698-1713

BISD does not discriminate on the basis of race, color, national origin, sex, religion, age, disability or genetic information in employment or provision of services, programs or activities

PRE-ADVANCED / ADVANCED PLACEMENT PROGRAM

The Pre-AP/AP program is a planned program of teaching skills and concepts over several years. The Advanced Placement program provides the goals for the Pre-AP program. Pre-AP classes are considered preparation classes for students interested in taking AP courses in high school. These classes incorporate all the core subject areas: math, reading/English, science, social studies and Spanish in grades 6-12. The AP exam score may earn college credit for the course(s) depending on requirements of the university. Students must meet the following criteria in order to be placed in the Brownsville ISD Pre-AP/AP Program:

- Have at least an 80 average from the most recent grade in the specific academic discipline for a non-Pre-AP/AP class or have passed the previous Pre-AP/AP class.
- Have passed all required state assessments.

NOTE: Alternate route to Pre-AP/AP admission: Letter of recommendation by the AP Committee. The committee will include Principal, Counselor, Dean, AP Lead Teacher and campus Subject AP Teacher.

At the beginning of the course, the student and the parent/guardian will sign the district Pre-AP/AP Program Expectations and Course Agreement. The Agreement will be distributed and maintained by the teacher of record. Students enrolled in the Pre-AP/AP course sequence are expected to enroll in AP/Dual Enrollment courses during their high school years of study.

All Students taking the AP course and the AP exam will receive a level 3 course number and grade weight for GPA and class ranking purposes. Any freshman, sophomore, or junior who challenges the AP exam and passes with a score of 3, 4, or 5 will receive a Level 4 grade weight for the AP course. The level change will occur after AP results are received by the campus and/or the District. This includes students who challenge the AP exam without having been enrolled in the AP course. In addition, students enrolled in high school as freshmen, sophomores, or juniors in and after 2011-2012 who score a 3, 4 or 5 on an AP exam will receive Level IV course weight after the AP scores are received in late July.

Dual or Concurrent Enrollment at Institutes of Higher Education

A BISD high school student may earn college credits through the district's Early College High School program (ECHS). Students may begin participating in the program beginning in the 9th grade provided they meet all criteria for participation determined by the institute of higher education (IHE) through which the course is undertaken. This includes college admission, Texas Success Initiative (TSI), and other course prerequisite requirements.

Currently, BISD IHE partners include Texas Southmost College (TSC), the University of Texas Rio Grande Valley (UTRGV), and Texas A & M Kingsville (TAMUK).

College credit may be earned either through dual courses or concurrent enrollment. Dual enrollment means the student is earning high school and college credit simultaneously and undertakes the course at a BISD high school campus. The majority of the courses offered in BISD for dual credit are taught at the high school campus by district instructors, who are approved by the IHE partner. Other modalities for dual credit in BISD include courses taught by IHE adjuncts, Saturday and evening courses and online options.

Concurrent enrollment means the student takes a college course through an IHE on his/her own while enrolled in high school. The student may or may not receive high school credit. Credit for a concurrent course is determined by the district course alignment chart for each of the IHE partners located in this document. In order for a student to receive high school credit (dual) taken concurrently, the student must request high school credit by completing all required district forms. The necessary documents are located on the BISD website under the Early College High School tab. The link is http://www.bisd.us/html/08_Extra_HTML/10_ECHS.html.

As per Texas Administrative Code Title 9, Part 1, Chapter 4, Subchapter G: An ECHS that has notified the Commissioner in accordance with 4.154 of this title (relating to Notification of Instructional Intent to Develop an Early College High School) may allow its eligible students to enroll in more than two dual credit courses per semester. An ECHS may allow its eligible students to enroll in dual credit courses with freshmen, sophomore, junior or senior high school standing.

BISD Recommendations:

A student who fails a dual enrollment course and/or withdraws from a dual enrollment course after the initial 12 day drop period will not be allowed to enroll any dual enrollment class the following academic semester.

Dual credit or Concurrent Enrollment means the process by which a high school student enrolls in a college course and receives simultaneous academic credit for the course from both the college and high school.

Concurrent Enrollment Programs [TAC Title 19, Part 2, Chapter 4, Subchapter 2]

The program that provides the outreach, student learning and support programs for students who will attain college credit simultaneously while enrolled in high school. Concurrent enrollment refers to a circumstance in which a student is enrolled in more than one educational institution (including high school and a college.)

Articulation

The Advanced Technical Credit (ATC) Program gives high school students an opportunity to earn credit at participating community colleges across Texas for taking advanced technical courses during high school. The statewide articulated courses and their equivalent college courses are listed in the ATC Course Crosswalk. All of the participating community colleges have agreed to offer students credit for these courses, provided the college offers the course and the student meets respective course criteria. For a high school to offer an ATC course to its students, the teacher must meet the ATC teacher requirements. Students, who are enrolled in a CTE Articulated Program, may earn college credit when they take approved articulated courses that are part of a coherent sequence of courses in a Program of Study. A grade of 80 or higher is required.

Note: ATC courses may vary from one school year to another. It is the student's responsibility to check for changes on a yearly basis. For more information on **ATC**, please visit the Texas Advanced Technical Credit website @ www.atctexas.org.

Industry Certifications

Certain CTE courses provide an opportunity for **Industry Certification**. Students must meet respective program certification criteria.

Project Lead the Way

All campuses providing **Project Lead the Way Program** courses must not provide other programs, activities, or student internships that will interfere, substitute for, or reduce student contact time in connection with the PLTW Program. All campuses providing Project Lead the Way Program courses will meet certification status after the year of each high school site's participation in the Project Lead the Way Program.

Other Notes

Students who transfer from another high school or outside the district will have their transcripts evaluated for Career and Technical courses and offered the most appropriate Program of Study. For detailed information on respective programs of study, log onto the CTE website @ www.bisd.us/cte to view the BISD CTE Programs of Study booklet.

Brownsville Independent School District

2018-2019 Grade Weight Systems 9 th -12 th Grade Students		
LEVEL I	To include ALL courses not designated as GT, AP, Pre-AP, Dual Enrollment and DAP Independent Study Courses	
	100 90-99 80-89 70-79 Below 70	4.0 3.0-3.9 2.0-2.9 1.0-1.9 0
LEVEL II	To include ALL GT, Pre-AP, and CTE State Articulated	
	100 90-99 80-89 70-79 Below 70	5.0 4.0-4.9 3.0-3.9 2.0-2.9 0
LEVEL III	To include all AP, Project Lead the Way, Dual, approved Concurrent Enrollment Courses and DAP Independent Study.	
	100 90-99 80-89 70-79 Below 70	6.0 5.0-5.9 4.0-4.9 3.0-3.9 0
LEVEL IV	*To include all AP exam scores of 3, 4, or 5. Applies only to grades 9th, 10th, and 11th	
	100 90-99 80-89 70-79 Below 70	7.0 6.0-5.9 5.0-4.9 4.0-3.9 0

NOTE: Students entering Grade 9 in and after the 2010-2011 school will receive Level II weight for State Articulated CTE courses and Level III weight for Project Lead the Way courses. Approved concurrent enrollment courses are defined as only those whose college course numbers match those provided in this course listing guide under the sections for dual enrollment.

*In addition, students enrolled in high school **AP course** as freshmen, sophomores, or juniors in and after 2011-2012 who score a 3, 4 or 5 on an AP exam will receive Level IV course weight after the AP scores are received in late July in accordance with all BISD policies.

HB5 Graduation Requirements for Brownsville ISD

House Bill 5 (HB5): House Bill 5 (HB5) created a new graduation plan called the Foundation High School Program that was implemented beginning in 2014 – 2015 school year. The graduation plan replaces the previous Minimum, Recommended and Distinguished graduation plans. All students, who are entering the 9th grade in and after the Fall of 2014, will be required to select an endorsement pathway in Arts and Humanities, Business and Industry, Public Service, STEM (Science and Math) and/or Multidisciplinary.

In our B I S D 2 0 1 8 - 2 0 1 9 course listing guide, you can find extensive information to better understand the new graduation requirements stipulated in House Bill 5.

HB5 / BISD Graduation Requirements

English (4 credits) English I, II, and III, plus an advanced English course
Math (4 credits) Algebra I, Geometry, and Algebra II, or Advanced Math
Science (4 credits) Biology, IPC or Advanced Science, and an additional Advanced Science course
Social Studies (3 credits) World Geography or World History as well as US History, US GOVT/ Economics
Languages Other than English (2 credits)
Physical Ed. (1 credit)
Fine Arts (1 credit)
Electives (4 credits)
Professional Communications Speech ½ credit and Health ½ credit
Endorsement (26 credits) To earn an endorsement a student must successfully complete: 1 additional credit in math 1 additional credit in science 2 additional elective credits
Distinguished Level of Achievement (26 credits) To earn a distinguished level of achievement a student must successfully complete the curriculum requirements for at least one endorsement, including 4 credits in science and 4 credits in mathematics to include Algebra II.
Performance Acknowledgment A student may earn a performance acknowledgment on their diploma and transcripts in any of the following: <ul style="list-style-type: none"> • Completing at least 12 hours of college academic courses including those taken for dual credit and advanced technical credit. • Bilingualism & Bi-literacy • On a college AP or IB exam • On the PSAT, ACT- PLAN, SAT or ACT • For earning a nationally or internationally recognized industry certification

2018-2019 High School Endorsements and Programs of Study

Students are administered a career interest inventory to determine which Career Cluster is most compatible with their skills and interests. Incoming 9th grade students are required to select the Career Program of Study graduation plan of their choice. Students can choose to follow only their Career of Study in high school or incorporate it with another field of interest such as Fine Arts, Athletics, ROTC, etc. All high school students should regularly revise and update their Career Program of Study and graduation plans.

BISD offers the endorsements listed below and their respective programs of study:

Endorsements					
	STEM	Business & Industry	Arts & Humanities	Public Services	Multidisciplinary Studies
Career Cluster & Programs of Study	<p><u>CTE</u></p> <ul style="list-style-type: none"> • STEM <ul style="list-style-type: none"> • Engineering (PLTW) • Engineering Design & Presentation • Aerospace Engineering <p><u>Non-CTE</u></p> <ul style="list-style-type: none"> • High Level Core areas of: <ul style="list-style-type: none"> • Mathematics • Science 	<p><u>CTE</u></p> <ul style="list-style-type: none"> • Agriculture <ul style="list-style-type: none"> ○ Animal Systems ○ Agriculture Mechanics ○ Plant Systems • Architecture <ul style="list-style-type: none"> ○ Architecture Design ○ Construction Technology ○ HVAC • Arts/AV <ul style="list-style-type: none"> ○ Audio & Video Production ○ Graphic Design Illustration • Business <ul style="list-style-type: none"> ○ Business Mgmt. & Admin. ○ Business Information Management • Finance <ul style="list-style-type: none"> ○ Banking & Finance • Hospitality <ul style="list-style-type: none"> ○ Culinary Studies • Information Technology <ul style="list-style-type: none"> ○ Digital & Interactive Media ○ Computer Maintenance • Manufacturing <ul style="list-style-type: none"> ○ Manufacturing ○ Welding • Transportation, Distribution & Logistics <ul style="list-style-type: none"> ○ Automotive Technology ○ Collision Repair Technology ○ International Business & Commerce <p><u>Non-CTE</u></p> <ul style="list-style-type: none"> • Newspaper • Journalism • Yearbook 	<p><u>Non-CTE</u></p> <ul style="list-style-type: none"> • Visual Arts • Dance / Ballroom • Music (Instrumental & Choral) • Theatre Arts • Sociology • Psychology • European History • Art History • Combination of any 4 non-sequential credits in Fine Arts. 	<p><u>CTE</u></p> <ul style="list-style-type: none"> • Education <ul style="list-style-type: none"> • Education & Training • Health Science <ul style="list-style-type: none"> • Health Science Technology • Biomedical Science (PLTW) • Human Services <ul style="list-style-type: none"> • Cosmetology • Law Enforcement <ul style="list-style-type: none"> • Correctional Services • Security Services • Law Studies • Fire fighter <p><u>Non-CTE</u></p> <ul style="list-style-type: none"> • ROTC 	<ul style="list-style-type: none"> • 4 Advanced CTE courses • 4 credits in each of the foundation core areas (include English IV and chemistry and/or physics) • 4 credits in Advanced Placement Courses

§ 74.13 Endorsements

- (a) A student shall specify in writing an endorsement the student intends to earn upon entering Grade 9.
- (b) A district shall permit a student to enroll in courses under more than one endorsement before the student's junior year and to choose, at any time, to earn an endorsement other than the endorsement the student previously indicated. This section does not entitle a student to remain enrolled to earn more than 26 credits.

**CAREER & TECHNICAL EDUCATION
PROGRAMS OF STUDY**

The BISD Career & Technical Education (CTE) Department offers programs of study derived from 14 Career Clusters, which are recognized at the state and national levels. This alignment is based on the belief that the curricula of the 21st century should combine rigorous academics with relevant career education. When schools integrate academic and technical education, students can see the “usefulness” of what they are learning. The system also facilitates a seamless transition from secondary to postsecondary opportunities. This initiative uses the 16 federally defined Career Clusters of the States’ Career Clusters initiative (www.txcte.org) as the foundation for restructuring how schools arrange their instructional programs.

The 14 career clusters are aligned with the following House Bill 5 Graduation Endorsements:

Endorsement	STEM	Business & Industry	Public Services	Multidisciplinary Studies
Programs of Study	<ul style="list-style-type: none">• STEM	<ul style="list-style-type: none">• Agriculture• Architecture• Arts/AV• Business• Finance• Hospitality• Information Technology• Manufacturing• Transportation	<ul style="list-style-type: none">• Education• Health Science• Human Services• Law Enforcement	<ul style="list-style-type: none">• 4 Advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas that are not in coherent sequence

STAMP College Preparatory Program

STAMP offers the Science, Technology, and Medical Professions (STAMP) College Preparatory program at all 6 high schools (Hanna, Lopez, Pace, Porter, Rivera, and Veterans).

Other pertinent information may be found on the STAMP website at www.bisd.us/stampspace.

Science, Technology, & Medical Professions (STAMP)				
Course Number	Course Description	Grade	Per Unit Credit	Prerequisite(s)
<i>Program of Study: Medical Professions</i>				
M01101(2)	Principles of Health Science	9	1/2	None
M47341(2)	Medical Terminology	10	1/2	Principles of Health Science
M47351(2)	Health Science Theory/Health Science Clinical	11	1	Medical Terminology
M01131(2)	Practicum in Health Science I	12	1	Acceptance into Certification Program (CNA, CMAA, CMCB, RXT) or Clinical Rotation Site Assignment and 3 POS courses
<i>Program of Study: Biomedical Science (Project Lead the Way – PLTW)</i>				
SPL171(2)	PLTW Principles of Biomedical Science	9	1/2	Algebra I Concurrent Enrollment of Biology
SPL191(2)	PLTW Human Body Systems	10	1/2	Principles of Biomedical Science
SPL201(2)	PLTW Medical Interventions	11	1/2	Human Body Systems
SPL211(2)	PLTW Biomedical Innovations	12	1/2	Medical Interventions

Brownsville Independent School District

STAMP Core Courses

Course Number	Course Description	Grade	Per Unit Credit	Prerequisite(s)
English I: Students, who enter Grade 9 in and after 2011-2012, are required to take the English I End-of-Course assessment.				
EC0061(2)	M19591(2) English I Pre-AP STAMP	9	1/2	Meet Pre-AP/AP Criteria
English II: Students, who enter Grade 9 in and after 2011-2012, are required to take the English I End-of-Course assessment.				
EC0161(2)	English II Pre-AP STAMP	10	1/2	English I & Meet Pre-AP/AP Criteria
M37061(2)	English III AP STAMP (Language & Comp.)	11	1/2	English II & Meet Pre-AP/AP Criteria
M47101(2)	English IV AP STAMP (Literature & Comp.)	12	1/2	English I, II, III & Meet Pre-AP/AP Criteria
Algebra I: Students, who enter Grade 9 in and after 2011 – 2012, are required to take the Algebra I End-of-Course assessment.				
EC0121(2)	M19751(2) Algebra I Pre-AP STAMP	9	1/2	Meet Pre-AP/AP Criteria
M59771(2)	Geometry Pre-AP STAMP	9-10	1/2	Algebra I & meet Pre-AP/AP Criteria
M99781(2)	Algebra II Pre-AP STAMP	10-11	1/2	Algebra I, Geometry & Meet Pre-AP/AP Criteria
M09721(2)	Pre-Calculus Pre-AP STAMP	11-12	1/2	Algebra I, II, Geometry & Meet Pre-AP/AP Criteria
M02311(2)	Calculus AB AP STAMP	12	1/2	Pre-Calculus & Meet Pre-AP/AP Criteria
	AP Statistics STAMP	11-12	1/2	Algebra II & Geometry; Meet PREAP/AP Criteria
*NOTE: It is recommended that 12 th grade STAMP students enroll in Calculus or Statistics for math credit.				
Biology: Students, who enter Grade 9 in and after 2011 – 2012, are required to take the Biology End-of-Course assessment.				
EC0191(2)	M19841(s) Biology Pre-AP STAMP	9-10	1/2	Meet Pre-AP/AP Criteria
M19851(2)	Biology AP STAMP	11-12	1/2	Biology I , Chemistry I , Meet Pre-AP/AP Criteria
M29851(2)	Chemistry Pre-AP STAMP	10-12	1/2	Algebra I & Biology & Meet Pre-AP/AP Criteria

Brownsville Independent School District

Course Number	Course Description	Grade	Per Unit Credit	Prerequisite(s)
M29871(2)	Chemistry AP STAMP	10-12	1/2	Chemistry (1 Year High School Chemistry) & Meet Pre-AP/AP Criteria
M99881(2)	Physics Pre-AP STAMP	11-12	1/2	Biology & Meet Pre-AP /AP Criteria
M03041(2)	Physics AP 1 ALG BASED STAMP	11-12	1/2	Biology & Meet Pre-AP /AP Criteria
	Environmental Science AP STAMP	11-12	1/2	Algebra I & 1 Unit of high school science; Meet AP Criteria
M01151(2)	Anatomy & Physiology STAMP	12	1/2	Biology & Chemistry
*NOTE: 12 th grade STAMP students must choose Chemistry AP/Biology AP/DE/Physics II AP/Environmental Science AP for science options.				
World Geography				
M73611(2)	World Geography Pre-AP STAMP	9-10	1/2	Meet Pre-AP/AP Criteria
M08971(2)	Human Geography AP STAMP	9-12	½	Meet AP Criteria
World History				
M79531(2)	World History Pre-AP STAMP	9-12	1/2	Meet Pre-AP/AP Criteria
M73411(2)	World History AP STAMP	9-12	1/2	Meet Pre-AP/AP Criteria
U.S. History: Students, who enter Grade 9 in and after 2011 – 2012, are required to take the U.S. History End-of-Course assessment.				
M03451(2)	European History AP STAMP	11-12	1/2	Meet AP Criteria
M79931(2)	US History AP STAMP	11-12	1/2	World History & Meet Pre-AP/AP Criteria
M03193	US Government AP STAMP	11-12	1/2	US History & Meet Pre-AP/AP Criteria
M13223	Economics AP STAMP	11-12	1/2	US History & Meet Pre-AP/AP Criteria

Recommended STAMP Core Course Sequence

Grade	English	Math	Science	Social Studies
9 th	English I Pre-AP	Geometry Pre-AP	Biology Pre-AP	World History PAP/AP. World Geography PAP or Human Geography AP
10 th	English II Pre-AP	Algebra II Pre-AP/Dual	Chemistry Pre-AP	World History PAP/AP. World Geography PAP or Human Geography AP
11 th	English III AP or Dual	Pre-Calculus Pre-AP	Physics Pre-AP or Environmental Science AP	U.S. History AP
12 th	English IV AP or Dual	Calculus AB (AP) Statistics AP	Physics AP Chemistry AP Biology AP Anatomy & Physiology	Govt./Economics AP

Brownsville Independent School District

STEM Programs in Aerospace, Architecture & Careers in Engineering (SPACE) Academy

SPACE offers the STEM Programs in Aerospace, Architecture & Careers in Engineering (SPACE) Academy at all 6 high schools (Hanna, Lopez, Pace, Porter, Rivera, and Veterans).

Other pertinent information may be found on the STAMP website at www.bisd.us/stampspace.

STEM Programs in Aerospace, Architecture & Careers in Engineering (SPACE)				
Course Number	Course Description	Grade	Per Unit Credit	Prerequisite(s)
Program of Study: Engineering				
SPL101(2)	PLTW Introduction to Engineering Design	9	1/2	Algebra I
SPL111(2)	PLTW Engineering Science	10	1/2	PLTW Introduction to Engineering Design
SPL121(2)	PLTW Digital Electronics or	11	1/2	PLTW Engineering Science
SPL141(2)	PLTW Civil Engineering and Architecture or	11	1/2	PLTW Engineering Science
SPL131(2)	PLTW Engineering Design and Development	12	1/2	PLTW Engineering Science
Program of Study: Aerospace Engineering				
SPL101(2)	PLTW Introduction to Engineering Design	9-12	1/2	None
SPL111(2)	Engineering Science	10-12	1/2	PLTW Introduction to Engineering Design
SPL161(2)	PLTW Aerospace Engineering	11 -12	1/2	2 PLTW Courses
SPL131(2)	PLTW Engineering Design and Development	11-12	1/2	2 PLTW Courses
Program of Study: Architectural Design				
AC0521(2)	Principles of Architecture	9	1/2	None
AC0551(2)	Architectural Design I or	9-10	1/2	Principles of Architecture
AC1551(2)	Engineering Design & Presentation I	10	1/2	Architectural Design I
AC1561(2)	Engineering Design & Presentation II or	11	1	Engineering & Design & Presentation I
AC0561(2)	Architectural Design II	11-12	1	Architectural Design I
AC0571(2)	Practicum in Architectural Design	12	1	Advanced Architectural Design II

Brownsville Independent School District

SPACE Core Courses				
Course Number	Course Description	Grade	Per Unit Credit	Prerequisite(s)
English I: Students, who enter Grade 9 in and after 2011-2012, are required to take the English I End-of-Course assessment.				
EC0061(2)	M19591(2) English I Pre-AP SPACE	9	1/2	Meet Pre-AP/AP Criteria
English II: Students, who enter Grade 9 in and after 2011-2012, are required to take the English I End-of-Course assessment.				
EC0161(2)	English II Pre-AP SPACE	10	1/2	English I & Meet Pre-AP/AP Criteria
M37061(2)	English III AP SPACE (Language & Comp.)	11	1/2	English II & Meet Pre-AP/AP Criteria
M47101(2)	English IV AP SPACE (Literature & Comp.)	12	1/2	English III & Meet Pre-AP/AP Criteria
Algebra I: Students, who enter Grade 9 in and after 2011 – 2012, are required to take the Algebra I End-of-Course assessment.				
EC0121(2)	M19751(2) Algebra I Pre-AP SPACE	9	1/2	Meet Pre-AP/AP Criteria
M59771(2)	Geometry Pre-AP SPACE	9-10	1/2	Algebra I & meet Pre-AP/AP Criteria
M99781(2)	Algebra II Pre-AP SPACE	10-11	1/2	Algebra I, Geometry & Meet Pre-AP/AP Criteria
M09721(2)	Pre-Calculus Pre-AP SPACE	11-12	1/2	Algebra I, II, Geometry & Meet Pre-AP/AP Criteria
M02311(2)	Calculus AB AP SPACE	12	1/2	Pre-Calculus & Meet Pre-AP/AP Criteria
	AP Statistics SPACE	11-12	1/2	Algebra II & Geometry; Meet Pre-AP/AP Criteria
*NOTE: It is recommended that 12 th grade SPACE students enroll in Calculus or Statistics for math credit.				
Biology: Students, who enter Grade 9 in and after 2011 – 2012, are required to take the Biology End-of-Course assessment.				
EC0191(2)	M19841(s) Biology Pre-AP SPACE	9-10	1/2	Meet Pre-AP/AP Criteria
M19851(2)	Biology AP SPACE	11-12	1/2	Biology I , Chemistry & Meet Pre-AP/AP Criteria
M29851(2)	Chemistry Pre-AP SPACE	10-12	1/2	Algebra I & Biology & Meet Pre-AP/AP Criteria
M29871(2)	Chemistry AP SPACE	10-12	1/2	Chemistry (1 Year High School Chemistry) & Meet Pre-AP/AP Criteria
M99881(2)	Physics Pre-AP SPACE	11-12	1/2	Biology & Meet Pre-AP/AP Criteria
M03041(2)	Physics AP 1 ALG BASED SPACE	11-12	1/2	Biology & Meet Pre-AP/AP Criteria
	Environmental Science AP SPACE	11-12	1/2	Algebra I & 1 Unit of high school science; Meet AP Criteria
M01151(2)	Anatomy & Physiology SPACE	12	1/2	Biology & Chemistry
*NOTE: 12 th grade SPACE students must choose Chemistry AP / Biology AP / DE / Physics II AP / Environmental Science AP for science options.				

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Course Number	Course Description	Grade	Per Unit Credit	Prerequisite(s)
World Geography				
M73611(2)	World Geography Pre-AP SPACE	9-10	1/2	Meet Pre-AP/AP Criteria
M08971(2)	Human Geography AP* SPACE	9-12	1/2	Meet Pre-AP/AP Criteria
World History				
M79531(2)	World History PREAP SPACE	10-12	1/2	Meet Pre-AP/AP Criteria
M73411(2)	World History AP SPACE	10-12	1/2	Meet Pre-AP/AP Criteria
U.S. History: Students, who enter Grade 9 in and after 2011 – 2012, are required to take the U.S. History End-of-Course assessment.				
M03451(2)	European History AP SPACE	12	1/2	Meet AP Criteria
M79931(2)	US History AP SPACE	11-12	1/2	World History & Meet Pre-AP/AP Criteria
M03193	US Government AP SPACE	11-12	1/2	US History & Meet Pre-AP/AP Criteria
M13223	Economics AP SPACE	11-12	1/2	US History & Meet Pre-AP/AP Criteria

Recommended SPACE Core Course Sequence

Grade	English	Math	Science	Social Studies
9 th	English I Pre-AP	Geometry Pre-AP	Biology Pre-AP	World History PAP/AP. World Geography PAP or Human Geography AP
10 th	English II Pre-AP	Algebra II Pre-AP/Dual	Chemistry Pre-AP	World History PAP/AP. World Geography PAP or Human Geography AP
11 th	English III AP or Dual	Pre-Calculus Pre-AP	Physics Pre-AP or Environmental Science AP	U.S. History AP
12 th	English IV AP or Dual	Calculus AB (AP) Statistics AP	Physics AP Chemistry AP Biology AP Anatomy & Physiology	Govt./Economics AP

BISD STAMP & SPACE Student/Parent Handbook

A clear, concrete vision of the STAMP & SPACE program is high academic expectations for every student. STAMP & SPACE students are expected to work at and above their potential. STAMP & SPACE students must be disciplined in their studies of work. STAMP & SPACE students are expected to have high standards of behavior and adhere to their responsibilities as citizens of the community. "Discipline is the bridge between goals and accomplishment".

All STAMP & SPACE students must follow the program guidelines listed in the BISD STAMP Student/Parent Handbook. This document can be found at www.bisd.us/stampspace. Copies are given to all 9th grade students at the beginning of the school year. Additional copies are available at the STAMP & SPACE office. Student's will be held accountable for their behavior and will be subject to the disciplinary consequences outlined in this document as long as the student remains in the STAMP & SPACE program (9th – 12th grade). The BISD STAMP & SPACE Student/Parent Handbook is updated each year. It is the responsibility of the student to read this document each year and be informed of the program requirements. This document remains in effect during summer school and at all school-related events and activities.

- All STAMP & SPACE students must abide by the 2018-2019 BISD Student Code of Conduct/Student-Parent Handbook. This document can be found at www.bisd.us. Copies are available at your campus.
- Any violation of BISD's Student Code of Conduct/Student-Parent Handbook that results in removal of a STAMP & SPACE student to a Disciplinary Alternative Education Program will be grounds for immediate removal from the program.

STANDARDS FOR STUDENT CONDUCT & DRESS CODE

Each student is expected to:

- Demonstrate courtesy and respect for others, even when others do not.
- Behave in a responsible manner, always exercising self-discipline.
- Attend all classes, regularly and on time.
- Prepare for each class; take appropriate materials and assignments to class.
- Meet District and campus standards of grooming and dress.
- Obey all campus and classroom rules.
- Respect the rights and privileges of other students, teachers, and other District staff.
- Respect the property of others; including District property and facilities.
- Cooperate with or assist the school staff in maintaining safety, order, and discipline.
- Adhere to the requirements of the Student Code of Conduct.

Dress code

All STAMP & SPACE students must adhere to maintaining a demeanor and appearance that is proper and professional due to the high standards of working with professionals in the areas of Engineering, Architecture, and Medical Professions. All STAMP & SPACE students will follow the Dress and Grooming guidelines as outlined in BISD's Student/Parent Code of Conduct Handbook.