



Brownsville Independent School District



STAMP

Science, Technology and Medical Professions



College Prep. at all BISD High Schools



STUDENT/PARENT HANDBOOK 2020 – 2021

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

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



Student/Parent Handbook

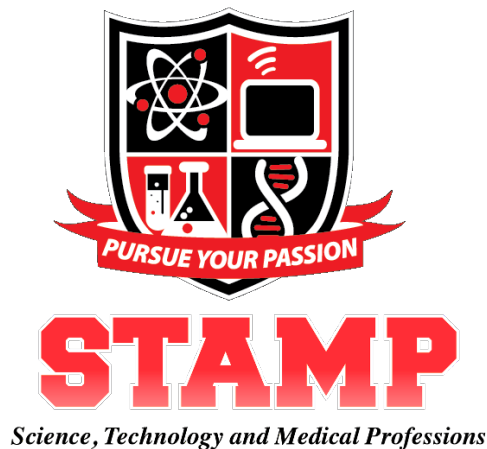
STAMP & SPACE College Preparatory Programs

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Brownsville Independent School District

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Mission Statement

STAMP & SPACE College Preparatory Academies

- 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 Academies

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 Profession 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 Academies Requirements

Entrance Requirements:

- Students must be in the 8th grade and be promoted to the 9th grade
- Students must complete and pass 8th grade Algebra I
- 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 & SPACE Academies”
- Students must submit a recommendation form
- Students/Parents must sign a STAMP & SPACE contract and comply with all requirements.

Academic Requirements:

- Students (9-12) must complete and turn in their summer readings at the start of the school year.
- The STAMP & SPACE curriculum consists of all advanced classes; therefore, all core area classes must be taken Honors/AP or Dual.
- Students must follow the sequence of courses listed in the Course Listing Guide.
- Every school year, students must meet the eligibility criteria for the Honors program.
- Students cannot make up classes through credit recovery, STARS, summer school, or any type of modules.
- Students must be placed in the STAMP & 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 & SPACE College Preparatory Academies.
- A STAMP & SPACE student is able to furlough for a semester if the course is not being offered and /or by the approval of the STAMP & SPACE Administrator.
- The STAMP & SPACE academies consist of a four year curriculum. All students must begin the academies at the 9th grade level. *Extenuating circumstances must be reviewed by the STAMP & SPACE Administrator.*

Benefits:

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

Withdrawal from the STAMP & SPACE College Preparatory Academies:

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



**BROWNSVILLE Independent School District
STAMP & SPACE Academies**

STUDENT-PARENT HANDBOOK ACKNOWLEDGEMENT FORM

Student Name

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. This document can be found at www.bisd.us/stampspace. Copies are available at the STAMP & SPACE office. 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 been informed about the Brownsville ISD STAMP & SPACE Student/Parent handbook and where it can be found. It is my responsibility to read the handbook each year and be informed of the academies requirements. 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 & SPACE College Preparatory Academies. This document remains in effect during summer school and at all school-related events and activities outside of the school year.

Parent/Guardian Signature

Student Signature

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

HONORS / ADVANCED PLACEMENT PROGRAM

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

- Have at least an 85 average from the most recent grade in the specific academic discipline for a non-Honors/AP class or have passed the previous Honors/AP class.
- Have passed all required state assessments.

All Honors and AP students must have the following forms in place to enroll:

1. Honors and Advanced Placement Application
2. Program Expectations and Course Agreement
3. AP Exam Commitment Form (only for AP Courses)

These forms are annual and must be in place for each Honors and AP course a student takes.

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

All students, who enroll in an AP class, are highly recommended to take the AP exam in May. At the beginning of the course, the student and the parent/guardian will sign the district Honors and AP Program Expectations and Course Agreement. The agreement will be distributed and maintained by the teacher of record. Students enrolled in the Honors and AP course sequence, are expected to enroll in AP or Dual Enrollment courses during their high school years of study.

All Students, taking the AP course and the AP exam, in an academic core area, will receive a Level III 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 IV grade weight for the AP course in academic core areas. The level change will occur after AP results are received by the campus and/or the District in late July. This includes students, who challenge the AP exam without having been enrolled in the AP course, if it is in an academic core area.

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.)

Brownsville Independent School District

Grade Weight Systems Students Entering Grade 9 in and after the 2019-2020 school year.		
LEVEL I	To include ELA, Math, Science, and Social Studies courses as outlined in TEA Chapter 74 subchapter B that are not designated as AP, Honors, and Dual Enrollment.	
	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 ELA, Math, Science, and Social Studies courses designated as Honors.	
	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.	
	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 Grades	
	100 90-99 80-89 70-79 Below 70	7.0 6.0-6.9 5.0-5.9 4.0-4.9 0

NOTE:

*Students enrolled in high school **AP courses** 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. 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.

** Courses that will not count for GPA weight will be designated with a course number beginning with the letter U.

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 9 - 2 0 2 0 course listing guide, you can find extensive information to better understand the graduation requirements stipulated in House Bill 5.

HB5 /BISD Graduation Requirements

State Required Core Courses

English (4 credits): English I, English II, English III plus an Advanced English Course

Math (4 credits): Algebra I, Geometry, and Algebra II or an Advanced Math

Science (4 credits): Biology, IPC or Advanced Science Course, and an Additional Advance Science course

Social Studies (3 credits): World History or World Geography as well as U.S. History, U.S. Government and Economics

State Required Non-core Courses

Language other than English (2 credits)

Physical Education (1 credit)

Fine Arts (1 credit)

Electives (4 credits)

BISD Requirements

Professional Health Communications (Speech – ½ credit)

Health (1/2 credit)

Endorsement(s) – 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 Acknowledgement

A student may earn a performance acknowledgment on their diploma and transcripts in any of the following:

- Completing at least 12 hours of college academic courses, including those taken for dual credit and advanced technical credit
- Bilingualism and Biliteracy
- On a college AP or IB exam
- On the PSAT, ACT – PLAN, SAT or ACT
- For earning nationally or internationally recognized industry certification

***Financial Literacy** is integrated into the Social Studies curriculum (K-12).

***CPR Instruction is integrated in the BISD Health required curriculum.**

NOTE: Accelerated students, who have earned multiple state high school credits prior to beginning 9th grade, may undertake advanced courses in order to continue their academic progress and meet graduation requirements, providing course prerequisites have been met.

Brownsville Independent School District

2020-2021 High School Endorsements

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
<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"> ○ Architectural Design ○ Construction Technology ○ Building Trades ○ HVAC ○ Electrical Technology • Arts/AV <ul style="list-style-type: none"> ○ Audio / Video Production ○ Graphic Design Illustration • Business <ul style="list-style-type: none"> ○ Business Management & Administration ○ 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 ○ Cybersecurity • Manufacturing <ul style="list-style-type: none"> ○ Manufacturing ○ Welding ○ Mechatronics • Transportation, Distribution and Logistics <ul style="list-style-type: none"> ○ Automotive Technology ○ Collision Repair Technology ○ International Business and 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 • Firefighter <p><u>Non-CTE</u></p> <ul style="list-style-type: none"> • ROTC 	<p><u>Additional Options</u></p> <ul style="list-style-type: none"> • 4 Advanced CTE courses or • 4 credits in each of the foundation core areas (include English IV and chemistry and/or physics or • 4 credits in Advanced Placement or Dual Credit Courses

**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"> • <u>STEM</u> 	<ul style="list-style-type: none"> • Agriculture • Architecture • Arts/AV • Business • Finance • Hospitality • Information Technology • Manufacturing • Transportation 	<ul style="list-style-type: none"> • Education • <u>Health Science</u> • 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

Endorsement/Program of Study Declaration of Intent

Students will be required to declare an Endorsement and Program of Study (POS) in writing. Forms are available at respective high schools. The signature of the student and the parent is required in order to participate in a CTE program. Students must make a commitment to stay in the program for a minimum of one school year. Students who wish to change their Program of Study are required to consult with their academic counselor and present the reason for the change. The approval and signature of the student, parent, and academic counselor will be required.

NOTE: Changes to a program of study may affect completion of respective graduation endorsement.

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.

STAMP College Preparatory Academy

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

STAMP Entrance Requirements include:

- Student's entrance requirement is to complete and pass 8th grade Algebra.
- Students must be in the 8th grade and be promoted to the 9th grade.
- Students must submit an application packet and be accepted.
- Students must meet expectations on the required mandated state assessments for promotion.

More information may be found on the STAMP website @ www.bisd.us/stampspace

Science, Technology, & Medical Professions (STAMP)				
Course Number	Course Description	Grade	Per Unit Credit	BISD Recommended Prerequisites TEA Required*
Program of Study: Medical Professions				
*UM1101(2)	Principles of Health Science	9	1/2	None
*UM7341(2) M17341(2)	Medical Terminology	10	1/2	Principles of Health Science
UM7371(2) M17371(2)	Health Science Theory/Health Science Clinical	11	1	Medical Terminology; Biology
UM 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 Health Science Theory and Biology*
Program of Study: Biomedical Science (Project Lead the Way – PLTW)				
SPL171(2)	PLTW Principles of Biomedical Science	9	1/2	Algebra I and 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

*UM Numbers are designated for STAMP cohorts 2023 & 2024

Recommended STAMP Core Course Sequence

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

Brownsville Independent School District

STAMP Core Courses

STAMP Requirements (9th – 12th Grade):

- Complete and turn in the summer readings at the beginning of each school year.
- The STAMP curriculum consists of all advanced classes; therefore, all core area classes must be taken Honors/AP or Dual.
- STAMP students must follow the sequence of courses listed in the Course Listing Guide.
- Every school year, STAMP students must meet the eligibility criteria for the Honors Program.
- STAMP students cannot make up classes through credit recovery, STARS, summer school, or any type of modules.
- STAMP students must be placed in the STAMP cohort.
- Any STAMP student, who is failing a core area class at the end of the year, will be removed from the STAMP academy.
- A STAMP student is able to furlough for a semester if the course is not being offered and with the approval of the STAMP Academy Administrator.

Course Number	Course Description	Grade	Per Unit Credit	Prerequisite(s)
English Language Arts				
*NOTE: English I: Students, who enter Grade 9 in and after 2011-2012, are required to take the English I End-of-Course assessment.				
EC0161(2)	English I Honors STAMP	9	1/2	Meet Honors/AP Criteria
*NOTE: 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 Honors STAMP	10	1/2	English I & Meet Honors/AP Criteria
M37061(2)	English III AP STAMP (Language & Comp.)	11	1/2	English II & Meet Honors/AP Criteria
M47101(2)	English IV AP STAMP (Literature & Comp.)	12	1/2	English III & Meet Honors/AP Criteria
Mathematics				
M59771(2)	Geometry Honors STAMP	9	1/2	Algebra I & meet Honors/AP Criteria
M99781(2)	Algebra II Honors STAMP	10	1/2	Algebra I, Geometry & Meet Honors/AP Criteria
M09721(2)	Pre-Calculus Honors STAMP	11	1/2	Algebra I, II, Geometry & Meet Honors/AP Criteria
M02311(2)	Calculus AB AP STAMP	12	1/2	Pre-Calculus & Meet Honors/AP Criteria
M02321(2)	AP Statistics STAMP	11-12	1/2	Algebra II & Geometry; Meet Honors/AP Criteria
*NOTE: It is recommended that 12 th grade STAMP students enroll in Calculus or Statistics for math credit.				
Science				
*NOTE: Biology: Students, who enter Grade 9 in and after 2011 – 2012, are required to take the Biology End-of-Course assessment.				
EC0191(2)	Biology Honors STAMP	9-10	1/2	Meet Honors/AP Criteria
M19851(2)	Biology AP STAMP	11-12	1/2	Biology I, Chemistry I, Meet Honors/AP Criteria
M29851(2)	Chemistry Honors STAMP	10-11	1/2	Algebra I & Biology & Meet Honors/AP Criteria
M29871(2)	Chemistry AP STAMP	10-12	1/2	Algebra II, Biology, Chemistry & Meet Honors/AP Criteria
M99881(2)	Physics Honors STAMP	11-12	1/2	Biology & Meet Honors /AP Criteria
M03041(2)	Physics AP 1 ALG BASED STAMP	11-12	1/2	Biology & Meet Honors /AP Criteria
M03071(2)	Environmental Science AP STAMP	11-12	1/2	Algebra I & 1 Unit of high school science; Meet AP Criteria
Social Studies				
M73611(2)	World Geography Honors STAMP	9-10	1/2	Meet Honors/AP Criteria
M08971(2)	Human Geography AP STAMP	9-12	1/2	Meet AP Criteria
M79531(2)	World History Honors STAMP	9-12	1/2	Meet Honors/AP Criteria
M73411(2)	World History AP STAMP	9-12	1/2	Meet Honors/AP Criteria
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 Honors/AP Criteria
M03193	US Government AP STAMP	11-12	1/2	US History & Meet Honors/AP Criteria
M13223	Economics AP STAMP	11-12	1/2	US History & Meet Honors/AP Criteria

Brownsville Independent School District

SPACE College Preparatory 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).

SPACE Entrance Requirements include:

- Student's entrance requirement is to complete and pass 8th grade Algebra.
- Students must be in the 8th grade and be promoted to the 9th grade.
- Students must submit an application packet and be accepted.
- Students must meet expectations on the required mandated state assessments for promotion.

More information may be found on the SPACE website @ www.bisd.us/stampspace

STEM Programs in Aerospace, Architecture & Careers in Engineering (SPACE)				
Course Number	Course Description	Grade	Per Unit Credit	BISD Recommended Prerequisite TEA Required*
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	11	1/2	PLTW Engineering Science
SPL131(2)	PLTW Engineering Design and Development	12	1/2	3 PLTW courses
Program of Study: Aerospace 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
SPL161(2)	PLTW Aerospace Engineering	11	1/2	PLTW Engineering Science
SPL131(2)	PLTW Engineering Design and Development	12	1/2	3 PLTW courses
Program of Study: Architectural Design				
*UC0521(2)	Principles of Architecture	9	1/2	None
*UC0551(2) AC0551(2)	Architectural Design I or	10	1/2	Principles of Architecture
*UC0561(2) AC0561(2) DE5331(2)	Architectural Design II	11	1	Architectural Design I
*UC0571(2) AC0571(2) DE0571(2)	Practicum in Architectural Design	12	1	Advanced Architectural Design II

*UC Numbers are designated for SPACE cohorts 2023 & 2024

Recommended SPACE Core Course Sequence

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

Brownsville Independent School District

SPACE Core Courses

SPACE Requirements (9th – 12th Grade):

- Complete and turn in the summer readings at the beginning of each school year.
- The SPACE curriculum consists of all advanced classes; therefore, all core area classes must be taken Honors/AP or Dual.
- SPACE students must follow the sequence of courses listed in the Course Listing Guide.
- Every school year, SPACE students must meet the eligibility criteria for the Honors Program.
- SPACE students cannot make up classes through credit recovery, STARS, summer school, or any type of modules.
- SPACE students must be placed in the SPACE cohort.
- Any SPACE student, who is failing a core area class at the end of the year, will be removed from the SPACE academy.
- A SPACE student is able to furlough for a semester if the course is not being offered and with the approval of the SPACE Academy Administrator.

Course Number	Course Description	Grade	Per Unit Credit	Prerequisite(s)
English Language Arts				
*NOTE: English I: Students, who enter Grade 9 in and after 2011-2012, are required to take the English I End-of-Course assessment.				
EC0161(2)	English I Honors SPACE	9	1/2	Meet Honors/AP Criteria
*NOTE: 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 Honors SPACE	10	1/2	English I & Meet Honors/AP Criteria
M37061(2)	English III AP SPACE (Language & Comp.)	11	1/2	English II & Meet Honors/AP Criteria
M47101(2)	English IV AP SPACE (Literature & Comp.)	12	1/2	English III & Meet Honors/AP Criteria
Mathematics				
M59771(2)	Geometry Honors SPACE	9	1/2	Algebra I & meet Honors/AP Criteria
M99781(2)	Algebra II Honors SPACE	10	1/2	Algebra I, Geometry & Meet Honors/AP Criteria
M09721(2)	Pre-Calculus Honors SPACE	11	1/2	Algebra I, II, Geometry & Meet Honors/AP Criteria
M02311(2)	Calculus AB AP SPACE	12	1/2	Pre-Calculus & Meet Honors/AP Criteria
M02321(2)	AP Statistics SPACE	11-12	1/2	Algebra II & Geometry; Meet Honors/AP Criteria
*NOTE: It is recommended that 12 th grade SPACE students enroll in Calculus or Statistics for math credit.				
Science				
*NOTE: Biology: Students, who enter Grade 9 in and after 2011 – 2012, are required to take the Biology End-of-Course assessment.				
EC0191(2)	Biology Honors SPACE	9-10	1/2	Meet Honors/AP Criteria
M19851(2)	Biology AP SPACE	11-12	1/2	Biology I, Chemistry I, Meet Honors/AP Criteria
M29851(2)	Chemistry Honors SPACE	10-11	1/2	Algebra I & Biology & Meet Honors/AP Criteria
M29871(2)	Chemistry AP SPACE	10-12	1/2	Algebra II, Biology, Chemistry & Meet Honors/AP Criteria
M99881(2)	Physics Honors SPACE	11-12	1/2	Biology & Meet Honors /AP Criteria
M03041(2)	Physics AP 1 ALG BASED SPACE	11-12	1/2	Biology & Meet Honors /AP Criteria
M03071(2)	Environmental Science AP SPACE	11-12	1/2	Algebra I & 1 Unit of high school science; Meet AP Criteria
Social Studies				
M73611(2)	World Geography Honors SPACE	9-10	1/2	Meet Honors/AP Criteria
M08971(2)	Human Geography AP SPACE	9-12	1/2	Meet AP Criteria
M79531(2)	World History Honors SPACE	9-12	1/2	Meet Honors/AP Criteria
M73411(2)	World History AP SPACE	9-12	1/2	Meet Honors/AP Criteria
M03451(2)	European History AP SPACE	11-12	1/2	Meet AP Criteria
M79931(2)	US History AP SPACE	11-12	1/2	World History & Meet Honors/AP Criteria
M03193	US Government AP SPACE	11-12	1/2	US History & Meet Honors/AP Criteria
M13223	Economics AP SPACE	11-12	1/2	US History & Meet Honors/AP Criteria

BISD STAMP & SPACE Student Expectations

A clear, concrete vision of the STAMP & SPACE College Preparatory Academies 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 & SPACE Student/Parent Handbook. This document can be found at www.bisd.us/stampspace. 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 academies (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 2020-2021 BISD Student Code of Conduct/Student-Parent Handbook. This document can be found at www.bisd.us. Copies are available at your campus see your Campus Career Placement Officer (CPO.)
- 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.

Campus Life

All high schools have many clubs and organizations created to enhance the high school experience as students take on responsibilities and enjoy the camaraderie of their peers. It has been that successful students are not only academically strong, but are also involved in extracurricular activities. Among the many advantages of involving yourself in organizations are increased leadership skills and heightened awareness of commitment. I encourage you to get involved in clubs at your school. Listed below are just a few of the organizations STAMP & SPACE students participate in.

Career & Technical Student Organizations - CTSOs

CTSO - HEALTH OCCUPATION STUDENTS OF AMERICA (HOSA)

Most students interested in medicine join the Health Occupation Students of America. H.O.S.A promotes the value of community service through various local projects. Students participate in leadership conferences and competitions at the area, state and national levels. Some competitions involve content and skills while others are team events.

CTSO - SKILLS USA

Students who are interested in Architecture join Skills USA. Skills USA is a key bridge between public education and private industries. It teaches the importance of developing leadership skills, positive attitudes and pride in workmanship. Students develop essential skills such as communication and teamwork. They also gain a competitive edge in the work force. Texas Skills USA emphasizes respect for the dignity of work, high standards in trade ethics, superior workmanship, quality and safety. The result is a coordinated effort that addresses America's need for a globally competitive, educated and skilled workforce.

CTSO - TECHNOLOGY STUDENT ASSOCIATION (TSA)

Students who are interested in Engineering join TSA. TSA fosters personal growth, leadership and opportunities in technology, innovation, design, and engineering. Members apply and integrate science, technology, engineering, and mathematics concepts through co-curricular activities, competitive events and related programs.

UIL - ACADEMICS

Join the UIL Academic Team. UIL has a range of competitive events in areas like; computer science, editorial writing, debate, number sense, one act play, poetry interpretation, ready writing, and much more.

NATIONAL HONOR SOCIETY

The National Honor Society is a prestigious organization with stringent requirements for membership. Students must excel not only in academics but also exercise leadership, demonstrate service, and exhibit character.