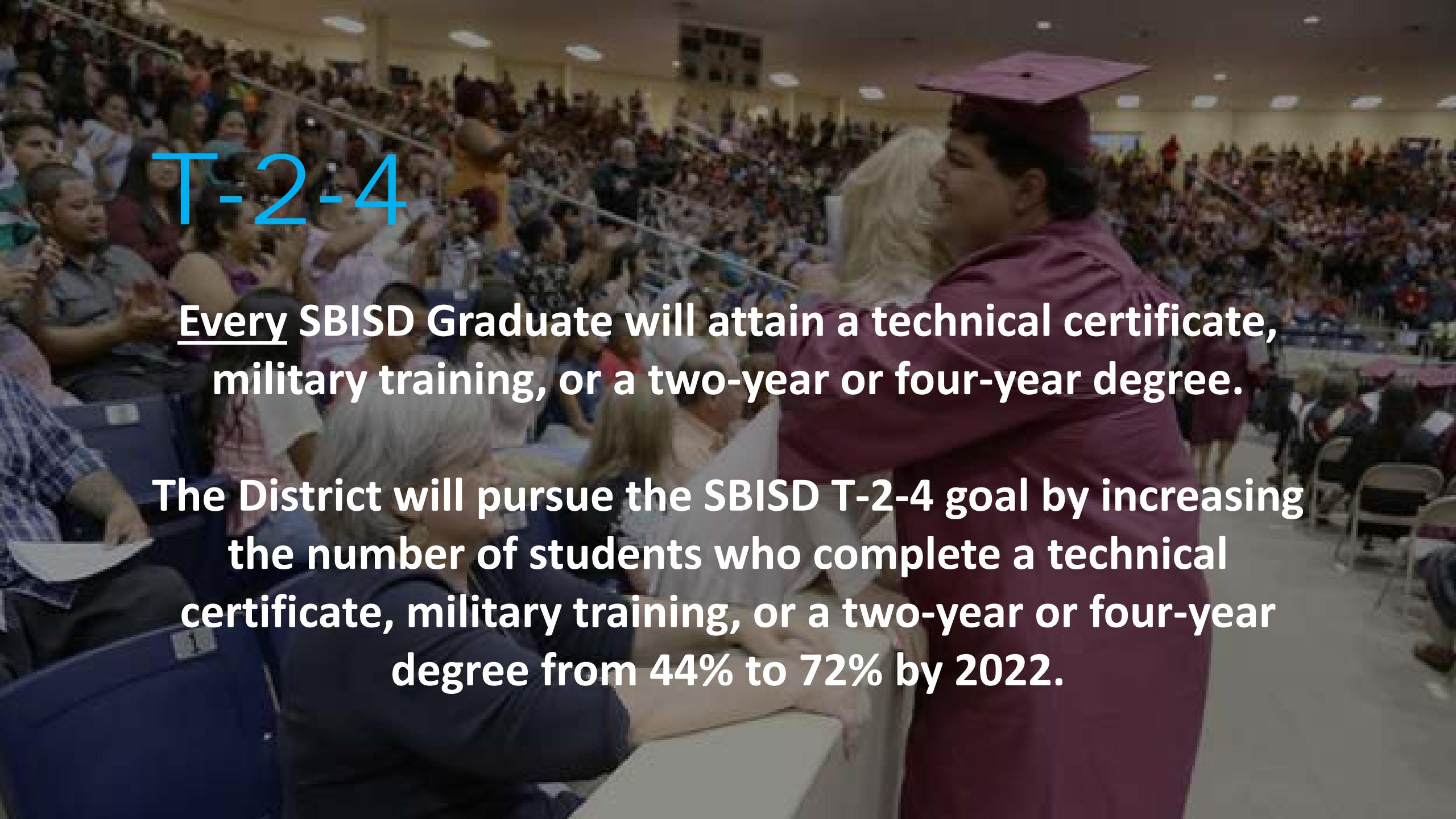




Welcome CTE Task Force Members!

Spring Branch Independent School District



A photograph of a graduation ceremony taking place in a large stadium or arena. Numerous people are seated in tiered rows, many wearing caps and gowns. In the foreground, a person wearing a maroon graduation gown and cap is looking towards the left. The background shows more spectators and stadium lights.

T-2-4

Every SBISD Graduate will attain a technical certificate, military training, or a two-year or four-year degree.

The District will pursue the SBISD T-2-4 goal by increasing the number of students who complete a technical certificate, military training, or a two-year or four-year degree from 44% to 72% by 2022.

SBISD Core Values

Career and Technical Education



Spring Branch Independent School District
Inspiring minds. Shaping lives.



EVERY CHILD



**COLLECTIVE
GREATNESS**



**COLLABORATIVE
SPIRIT**



**LIMITLESS
CURIOSITY**



**MORAL
COMPASS**

We put students at the heart of everything we do.

We, as a community, leverage our individual strengths to reach challenging goals.

We believe in each other and find joy in our work.

We never stop learning and growing.

We are guided by strong character, ethics and integrity.

SBISD Strategic Plan

Career and Technical Education



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Career and Technical Education 101

A Brief Overview of CTE in Spring Branch ISD



What is CTE?

Career and Technical Education



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What is Career and Technical Education?

What is CTE?

Career and Technical Education



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The term Career and Technical Education means organized educational activities that...

... offer a sequence of courses that... provides individuals with coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in current or emerging professions...

... include competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of an industry, including entrepreneurship, of an individual.

- from the Carl D. Perkins Career and Technical Education Improvement Act of 2006

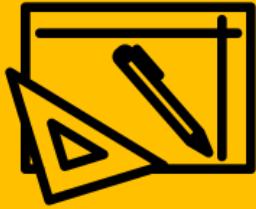
SBISD - District View

Career and Technical Education



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- SBISD offers 38 CTE pathways in 14 career clusters, and 112 unique courses
- 3 of the 5 graduation plan endorsement areas offer CTE pathways
- CTE courses offered at high school campuses, (most) middle school campuses, and Guthrie Center
- Students enrolled in at least one CTE course:
 - 2016-2017 – 44.6% of HS students
 - 2017-2018 – 50.3% of HS students
- 85 CTE teachers district wide



Current Offerings

LOW END TECHNOLOGY
HIGH SKILL

EDUCATION

FASHION DESIGN

CONSTRUCTION
TECHNOLOGY

PHARMACY TECH

ACCOUNTING

COSMETOLOGY

WELDING

CULINARY ARTS

ARCHITECTURE

STEM ENGINEERING

HEALTH SCIENCE

FILMMAKING,
COMM. PHOTO &
3D ANIMATION

FORENSIC SCIENCE

HOSPITALITY

ELECTRICAL TECH

HIGH END TECHNOLOGY
HIGH SKILL

INFORMATION
TECHNOLOGY

AGRICULTURAL
SCIENCE

GPAPHIC DESIGN

BUSINESS

INTERIOR DESIGN

LAW
ENFORCEMENT

CHILD
DEVELOPMENT

LOW END TECHNOLOGY
LOW SKILL

HIGH END TECHNOLOGY
LOW SKILL

*Note: The above courses and pathways are not listed in any preference or quantifiable order

SBISD - District View

Career and Technical Education



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Highest Participation by Program:

Business
Finance
Health Science

Participation by High School:

Stratford HS	1981
Memorial HS	1863
Spring Woods HS	1608
Northbrook HS	1385
Westchester Academy	463
Academy of Choice	<u>129</u>

TOTAL CTE Courses Taken **7407**

SBISD - District View

Career and Technical Education



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Advanced Science CTE Courses:

Advanced Animal Science

Advanced Plant and Soil Science

Anatomy and Physiology

Biotechnology I and II

Engineering Design and Problem
Solving

Principles of Engineering

Food Science

Forensic Science

Medical Microbiology

Pathophysiology

Scientific Research and Design



Advanced Math CTE Courses:

Engineering Mathematics

Accounting II

Digital Electronics

Financial Mathematics

Mathematical Applications in
Agriculture, Food, and Natural
Resources

Mathematics for Medical Professionals

Manufacturing Engineering Technology II

Statistics and Business Decision Making

Robotics II

Applied Mathematics for Technical
Professionals

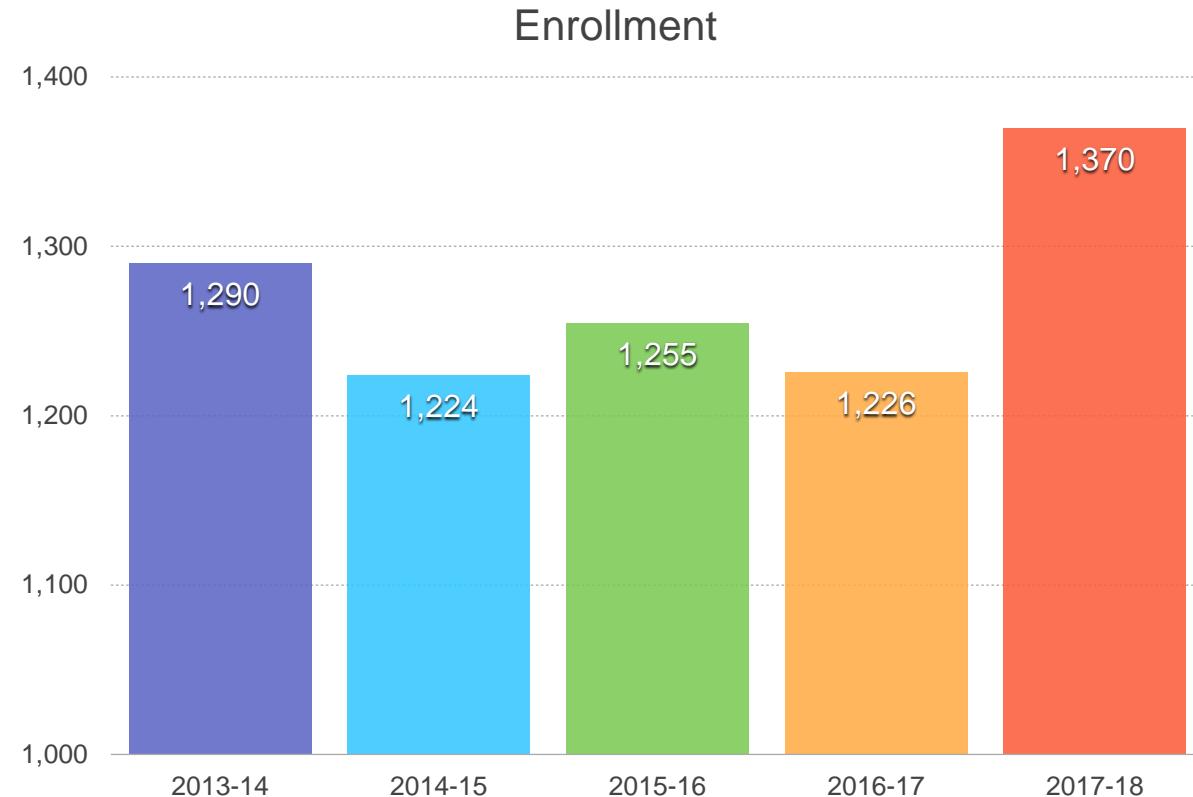
SBISD – Guthrie Center View

Career and Technical Education



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1,370 Students
15 Programs
21 Pathways
2 Endorsements



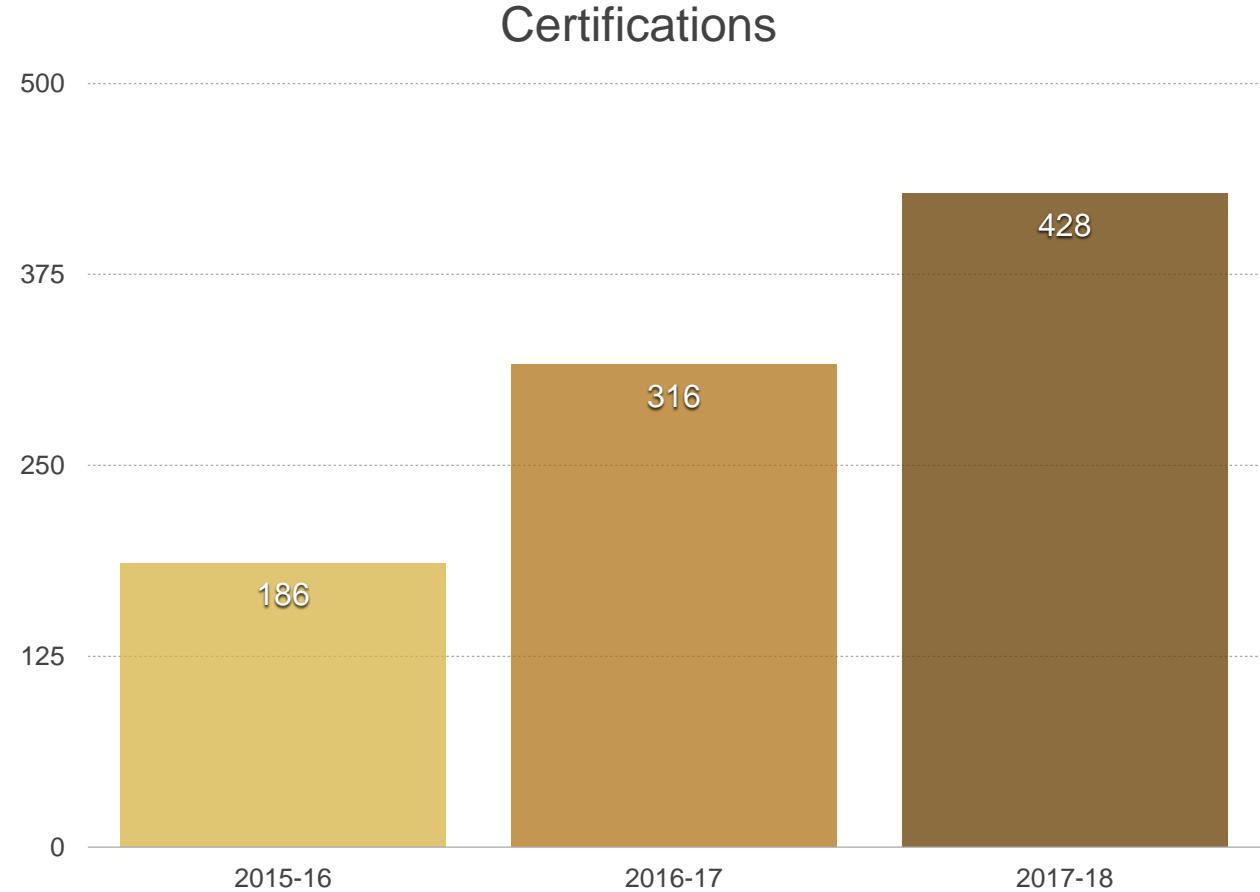
SBISD – Guthrie Center View

Career and Technical Education



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**428 Certifications
Earned in 2016-17**



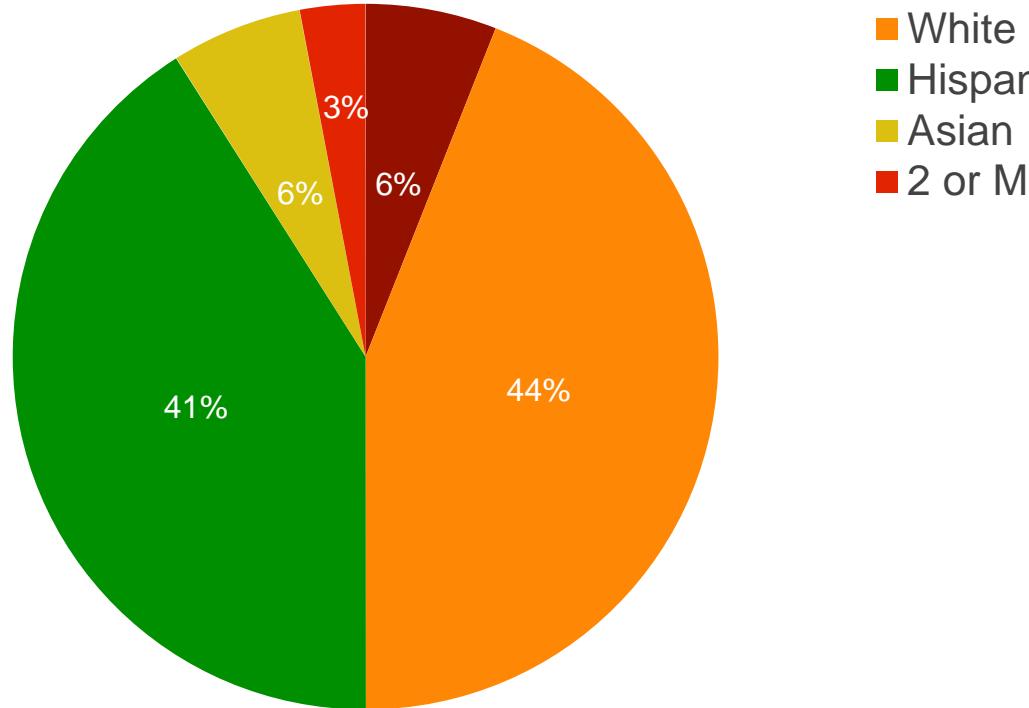
SBISD – Guthrie Center View

Career and Technical Education



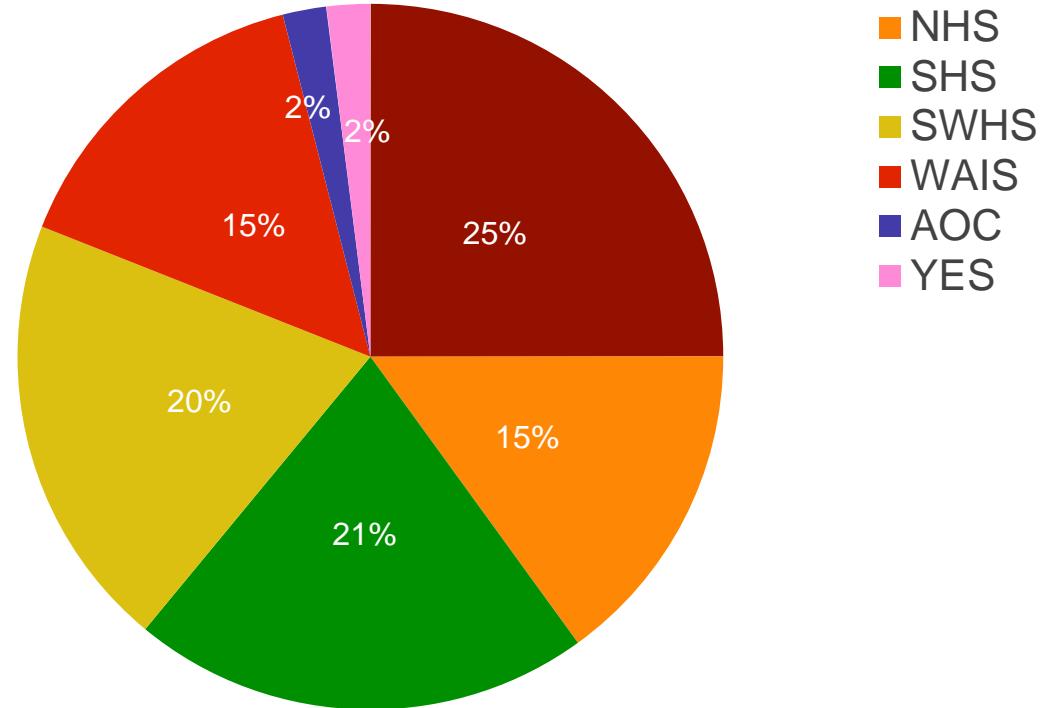
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Demographics



61% Economically Disadvantaged

Breakdown by Campus



53% Male / 47% Female

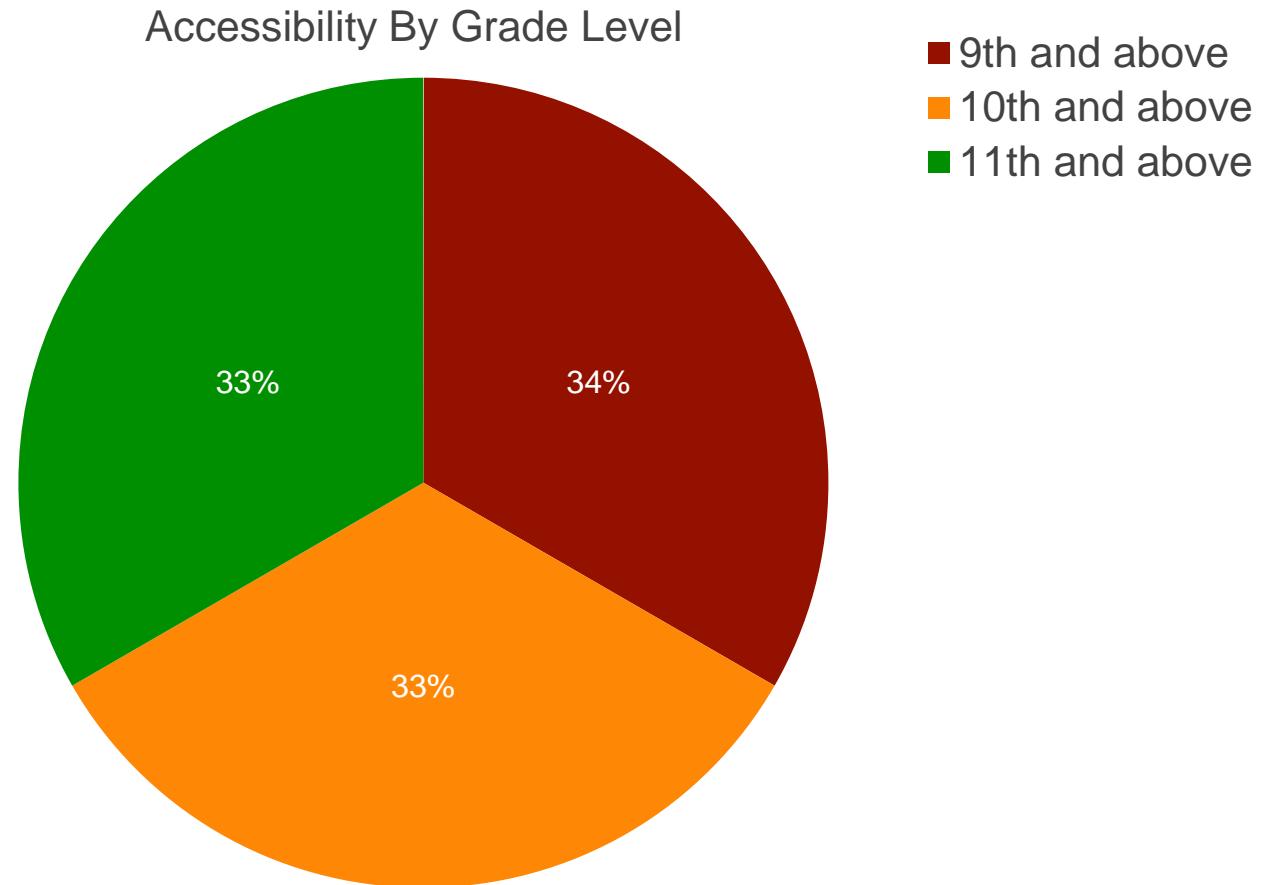
SBISD – Guthrie Center View

Career and Technical Education



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- 5 Open to 9th+
- 5 Open to 10th+
- 5 Open to 11th+



SBISD – High School View

Career and Technical Education



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All four SBISD campuses have various programs located on campus. These programs help to fulfil various aspects of the Endorsements as well as provide unique learning opportunities for kids.



SBISD – High School View

Career and Technical Education



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WELCOME TO TUFFY'S

ENGLISH
ENGLISH I
ENGLISH II
ENGLISH III
ENGLISH IV
UPGRADE TO AP

SOCIAL STUDIES
HUMAN GEOGRAPHY
WORLD GEOGRAPHY
US HISTORY
WORLD HISTORY
GOVERNMENT
ECONOMICS
UPGRADE TO AP

MATHEMATICS
ALGEBRA
ALGEBRA II
GEOMETRY
STATISTICS
PRE CAL
CALCULUS
UPGRADE TO AP

FOREIGN LANGUAGE
SPANISH I
SPANISH II
SPANISH III
SPANISH IV
FRENCH I
FRENCH II
UPGRADE TO AP

IPC
BIOLOGY
CHEMISTRY
PHYSICS
ENV. SCIENCE
UPGRADE TO AP

ATHLETICS
VOLLEYBALL
FOOTBALL
CROSS COUNTRY
BASKETBALL
BASEBALL
SOFTBALL
SOCCER
TRACK
TENNIS
GOLF
CHEER
TIGERETTES
TIGER CREW

PERFORMING ARTS
BAND
CHOIR
ORCHESTRA
THEATER
DEBATE

SW STRONG

ELECTIVES

CULINARY ARTS
CHILD GUIDANCE
GLOBAL BUSINESS
BANKING
DIGITAL MARKETING
SPORTS MARKETING
FINANCIAL MATH
BUSINESS MGMT.
ACCOUNTING
WOODSHOP
JACK OF ALL TRADES
WELDING
HEALTH SCIENCE
ENGINEERING
MED. TERMINOLOGY

NOT ALL CLASSES ARE SHOWN
SOME CLASSES ARE OFF CAMPUS

COURSE SELECTION SHOWCASE
JANUARY 20, 2018 9:00am until 12:00pm
SWHS TIGER GYM

STUDENTS WHO ATTEND THIS EVENT GET FIRST PRIORITY FOR HIGH DEMAND CLASSES

SBISD – High School View

Career and Technical Education



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High School Course Catalog 2018-2019



Spring Branch Independent School District

Scott R. Muri, Ed.D.
Superintendent of Schools

Board of Trustees
Karen Peck, President
Josef Klam, Vice-President
Chris Gonzalez, Secretary
J. Carter Breed, Member
Katherine Dawson, Member
Pam Goodson, Member
Chris Vierra, Member

Organization of Coursework

Career and Technical Education



Career Clusters and Pathways:

1. Career Clusters – a national framework for organizing CTE into career areas and programs of study
2. Pathways – coherent sequences of courses (usually) within a cluster that, if successfully completed, qualify students to graduate with an endorsement

Organization of Coursework

Career and Technical Education



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16 Career Clusters:

Agriculture, Food & Natural Resources

Architecture & Construction

Arts, A/V Technology & Communications

Business Management & Administration

Education & Training

Finance

Government & Public Administration

Health Science

Hospitality & Tourism

Human Services

Information Technology

Law, Public Safety, Corrections & Security

Manufacturing

Marketing

Science, Technology, Engineering & Math

Transportation, Distribution & Logistics

Organization of Coursework

Career and Technical Education



Spring Branch Independent School District
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14 SBISD Career Clusters:

Agriculture, Food & Natural Resources

Architecture & Construction

Arts, A/V Technology & Communications

Business Management & Administration

Education & Training

Finance

~~Government & Public Administration~~

Health Science

Hospitality & Tourism

Human Services

Information Technology

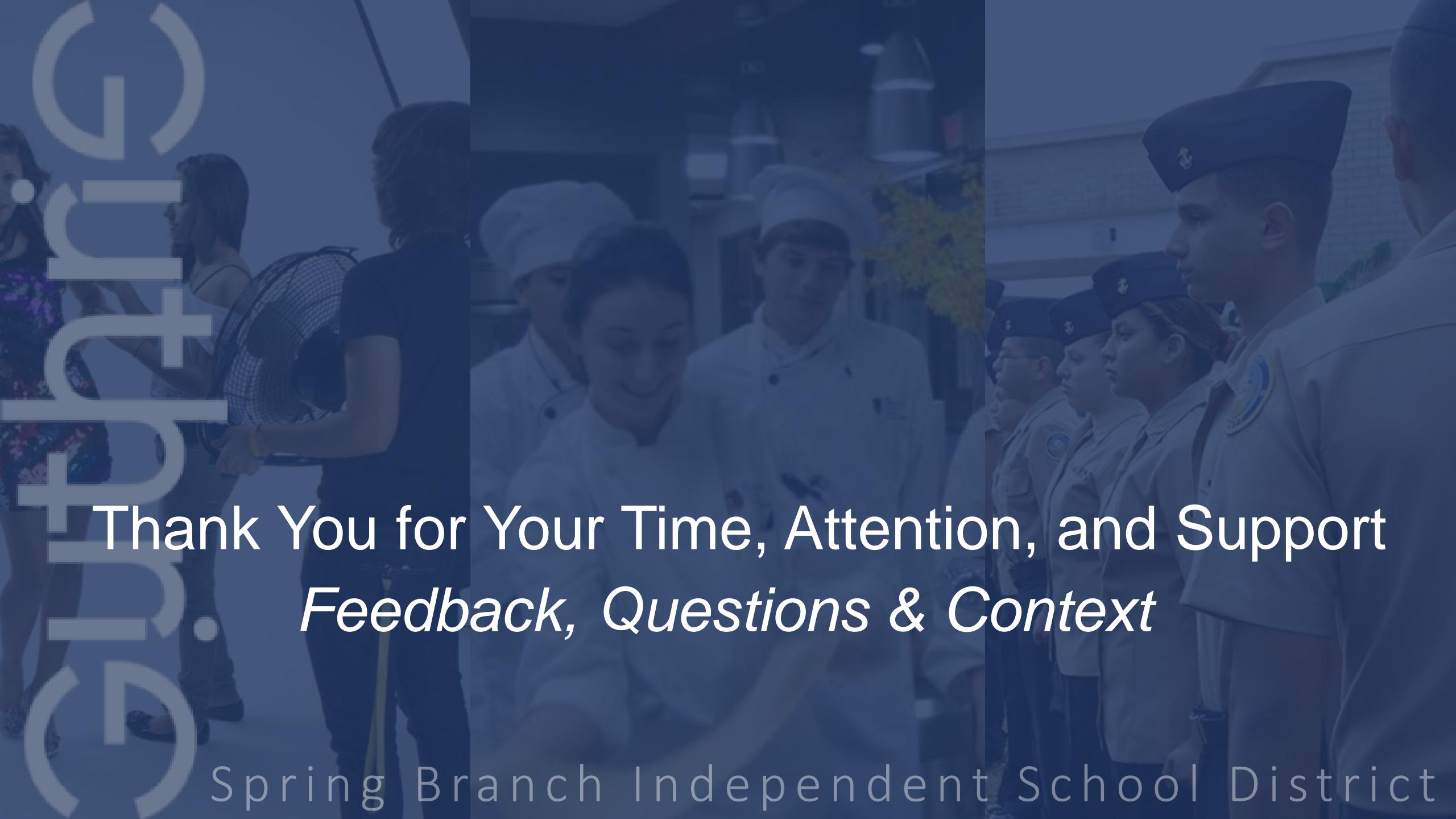
Law, Public Safety, Corrections & Security

Manufacturing

Marketing

Science, Technology, Engineering & Math

~~Transportation, Distribution & Logistics~~

The background of the slide features a collage of three photographs. The leftmost photo shows several students walking outdoors, some carrying backpacks. The middle photo depicts students in white lab coats and hats, likely in a science classroom or lab setting. The rightmost photo shows students in uniform, including berets and jackets, possibly members of a school club or organization. A large, semi-transparent watermark of the letters 'G', 'S', and 'P' is overlaid on the left side of the collage.

Thank You for Your Time, Attention, and Support
Feedback, Questions & Context

Spring Branch Independent School District