



# EDUCATION AND TRAINING

TexasAchieve career cluster for Education and Training involves research in teaching methodology and education administration while addressing occupations on the federal, state and private program formats where a background in education is required.

**PAL-TAFE** is a wonderful opportunity to work with very talented children. It brings a lot of joy to my day when I can teach kids to learn something they are having trouble with.  
*Dipti Desai, RHS Graduate*

As a student intern in *Education and Training* the I have had the opportunity to teach at four different schools. Since my grandmother is a retired elementary teacher and my mother teaches in a small Christian school, I guess you could say teaching runs in my family.  
*Amanda Clark, BHS Graduate*

I will never forget and forever be grateful for the opportunity to experience the life of a teacher first-hand. This opportunity was given to me through *Education and Training*.

*Cassandra Panek, BHS Graduate*

## HOW CAN I GAIN EXPERIENCE?

### School Activities

Academic Competition, DECA, Fine Arts Activity, National Honor Society, Peer Tutoring/Counseling, Speech Contest, Student Government, Teacher Association of Future Educators, Theatre Arts, Skills USA

### Community Activities

FFA, Babysitting, Hospital Volunteer, Little League Volunteer, Red Cross Volunteer, YMCA/YWCA Volunteer, Church Volunteer

### College Majors

American Indian Education, Bilingual Education, College Student Counseling and Personnel Services, Counselor Education, Curriculum and Instruction, Education, Educational Assessment, Testing, and Measurement, Educational Statistics and Research Methods, Instructional Technology, Teaching English as a Second Language (ESL), Teaching French as a Second or Foreign Language

## WHERE CAN I GO WITH EDUCATION AND TRAINING?

<b>HS Diploma/ On-the-Job Training</b>	Library Technical Assistant, Teacher's Aide, Special Education Aide,
<b>Jr/Technical/ Community College or Apprenticeship</b>	Teacher's Aide, Science Technician, Recreational Manager, Preschool Teacher
<b>Bachelor's or Master's Degree, Doctorate</b>	Adult Educators, Archivists, Conservators, Curators, Elementary/Middle/High School Teacher, Exhibit Designer/Technician, Instructional Coordinator, Librarian, Library Technologist, Postsecondary Teacher, Preschool Teacher, Special Education Teacher, Teacher Assistant, Trainer, Teacher Administrator/Supervisor



## PRINCIPLES OF EDUCATION AND TRAINING:

### Strategies for 21st Century Learning

*Interlink targeted occupations for high demand employment opportunities for 2009-2014*

#### 8th Graders:

*You recently took the EXPLORE test which categorized your likes and dislikes. Using the EXPLORE chart people suited to the Education & Training field enjoy working with*

#### PEOPLE

#### BISD Related High School Courses

- Principles of Education and Training
- Human Growth and Development
- Instructional Practice in Education and Training
- Peer Assistance Leadership/TAFE
- Principles of Human Services
- Practicum in Human Services
- Interpersonal Studies

## SAMPLE 4 YEAR PLAN FOR EDUCATION & TRAINING

This Education and Training focused graduation plan is reflective of SBOE requirements. The first four columns represent the Texas 4x4 plan of required core subjects. \*Courses may be completed at any level.

Services	1	2	3	4	5	6	7
<b>Freshman</b>	English I or Pre-AP English I	Algebra I or Pre-AP Geometry	Biology or Pre-AP Biology	World Geography or Pre-AP World Geography	*Other Language I	Principles of Education & Training	*P.E. or substitute (if needed)
<b>Sophomore</b>	English II or Pre-AP English II	Geometry or Pre-AP Algebra II	Chemistry or Pre-AP Chemistry	World History or Pre-AP World History	*Other Language II	*Professional Communications and Health	*Fine Arts Elective
<b>Junior</b>	English III or AP English	Pre-AP Algebra II or Precalculus	Physics, Pre-AP Physics or Principles of Technology	U.S. History or AP U.S. History	*Other Language III (for DAP)	Instruction Practice in Education and Training (2 credits)	
<b>Senior</b>	English IV, AP English Lit. & Comp., or Dual Credit English	Precalculus or 4th year Math	4th year Science	Gov't or AP Gov't AND Economics or AP Macroeconomics	Business Info. Mgmt or Digital & Interactive Media	Practicum in Education & Training (2 credits)	



# HOSPITALITY AND TOURISM

TexasAchieve career cluster for Hospitality & Tourism involves travel management, tour and event planning.

*Hospitality* services and American Airlines Travel Academy provided us with business skills needed in the travel industry. Internships at Bass Performance Hall, Courtyard by Marriott in Bedford, and Solana Marriott provide hands on experience, which will help us to increase our knowledge in today's world. This class has been both fun and a wonderful learning experience.

*Carrie Beam, RHS Graduate*

## 8th Graders:

*You recently took the EXPLORE test which categorized your likes and dislikes. Using the EXPLORE chart people suited to the Hospitality and Tourism field enjoy working with*

*Interlink targeted occupations for high demand employment opportunities for 2009-2014*

## PEOPLE

## BISD Related High School Courses

- Hotel and Restaurant Management
- Travel and Tourism I-II
- Food Science
- Professional Communications
- Practicum in Hospitality & Tourism
- Business Information Management

## SAMPLE 4 YEAR PLAN FOR HOSPITALITY & TOURISM

This Hospitality and Tourism focused graduation plan is reflective of SBOE requirements. The first four columns represent the Texas 4x4 plan of required core subjects. \*Courses may be completed at any level.

Services	1	2	3	4	5	6	7
<b>Freshman</b>	English I/Pre-AP English I	Algebra I or Pre-AP Geometry	Biology or Pre-AP Biology	World Geography/Pre-AP World Geo.	*Other Language I	*Fine Arts Elective	*P.E. or substitute
<b>Sophomore</b>	English II or Pre-AP English II	Geometry or Pre-AP Algebra II	Chemistry or Pre-AP Chemistry	World History or Pre-AP World History	*Other Language II	*Prof. Communications and Health	*Elective
<b>Junior</b>	English III or AP English	Pre-AP Algebra II or Precalculus	Physics, Pre-AP Physics or Principles of Technology	U.S. History or AP U.S. History	*Other Language III (for DAP)	Travel and Tourism Management (2 credits)	
<b>Senior</b>	English IV, or Dual Credit English	Precalculus or 4th year Math	Food Science	Gov't or AP Gov't AND Economics	Business Info. Management	Practicum in Hospitality & Tourism or Practicum in Hotel/Restaurant Mgmt (2 credits)	

## WHERE CAN I GO WITH HOSPITALITY & TOURISM?

<b>HS Diploma/ On-the-Job Training</b>	Restaurant Host/Hostess, Hotel/Motel Maintenance or Staff, Recreation Attendant/Usher, Taxi Driver and Chauffeur,
<b>Jr/Tech/Community College or Apprenticeship</b>	Flight Crew Member, Airport Agent, Food Service Lodging Manager, Park Ranger, Recreation Worker, Reservations Agent, Travel Agent, Social Secretary
<b>Bachelor's or Master's Degree, Doctorate</b>	Food/Lodging Manager, Funeral Dir., Parks & Recreation Dir., Sports Instructor/Coach, Hotel/Resort Mgmt, Tourism Director, Event Planner

## HOW CAN I GAIN EXPERIENCE?

### School Activities

National Honor Society, Peer Tutoring/Counseling, Student Government, Theatre Arts,

### Community Activities

FFA, Babysitting, Hospital Volunteer, Little League Volunteer, Red Cross Volunteer, YMCA/ YWCA Volunteer, Church Volunteer

### College Majors

Hospitality Management and Administration, Geography, Hotel and Motel Management, Human Resources Management, Public Relations, Tourism and Travel Management



# HOSPITALITY AND TOURISM

TexasAchieve career cluster for Hospitality & Tourism involves restaurants and food/beverage services.

## 8th Graders:

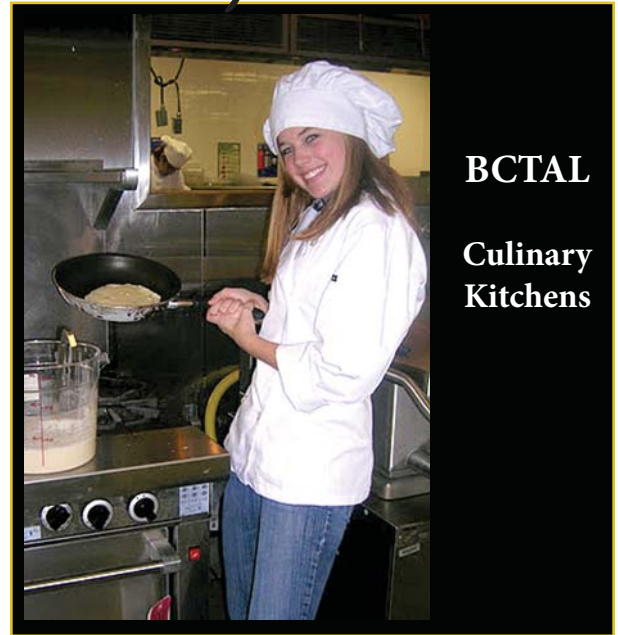
You recently took the EXPLORE test which categorized your likes and dislikes. Using the EXPLORE chart people suited to the Hospitality and Tourism field enjoy working with

## PEOPLE

### BISD Related High School Courses

- Principles of Human Services
- Culinary Arts
- Practicum in Culinary Arts
- Food Science
- Lifetime Nutrition and Wellness
- Professional Communications

## Culinary Arts



**BCTAL**

**Culinary Kitchens**

*Interlink targeted occupations for high demand employment opportunities for 2009-2014*

## SAMPLE 4 YEAR PLAN FOR HUMAN SERVICES

This Hospitality and Tourism focused graduation plan is reflective of SBOE requirements. The first four columns represent the Texas 4x4 plan of required core subjects. \*Courses may be completed at any level.

Services	1	2	3	4	5	6	7
<b>Freshman</b>	English I/Pre-AP English I	Algebra I or Pre-AP Geometry	Biology or Pre-AP Biology	World Geography/Pre-AP World Geo.	*Other Language I	*Fine Arts Elective	*P.E. or substitute
<b>Sophomore</b>	English II or Pre-AP English II	Geometry or Pre-AP Algebra II	Chemistry or Pre-AP Chemistry	World History or Pre-AP World History	*Other Language II	*Prof. Communications and Health	Business Information Mgmt
<b>Junior</b>	English III or AP English	Pre-AP Algebra II or Precalculus	Physics, Pre-AP Physics or Principles of Technology	U.S. History or AP U.S. History	Principles of Human Services	Culinary Arts (2 credits)	
<b>Senior</b>	English IV, or Dual Credit English	Precalculus or 4th year Math	Food Science	Gov't or AP Gov't AND Economics	Entrepreneurship	Practicum in Culinary Arts (2 credits)	

## WHERE CAN I GO WITH CULINARY ARTS?

<b>HS Diploma/ On-the-Job Training</b>	Restaurant Host/Hostess, Fry Cook, Food Assembler
<b>Jr/Tech/Community College or Apprenticeship</b>	Catering Specialist, Banquet Specialist, Private Chef, Bakery Assistant, Restaurant Cook
<b>Bachelor's, Master's, Doctorate Degree</b>	Chefs, Dieticians, Dietetic Technicians, Nutritionists, Food Service Managers, Health Educators

## HOW CAN I GAIN EXPERIENCE?

### School Activities

National Honor Society, Academic Clubs

### Community Activities

Hospital Volunteer, Red Cross Volunteer, Church Volunteer, Specialty Food Classes

### College Majors

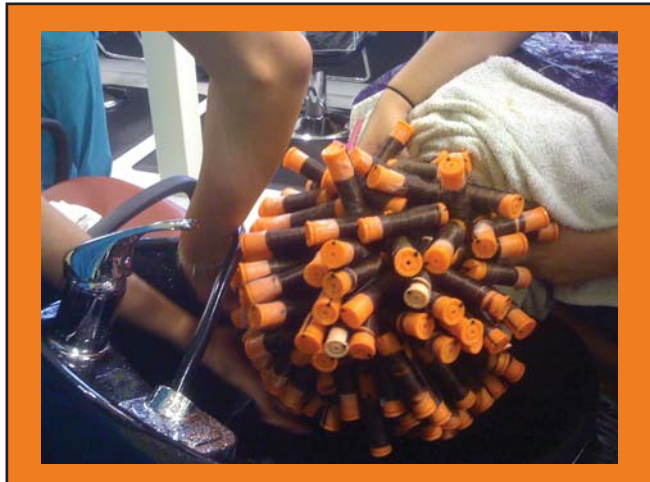
Culinary Arts, Nutrition Sciences, Family and Consumer Sciences, Foods Nutrition and Wellness Studies,



# HUMAN SERVICES

TexasAchieve career cluster for Human Service includes the Cosmetology program.

**Cosmetology** department is a state licensed facility. Texas Department of Licenses and Regulations (TDLR) requires 1500 hours of instruction to obtain a license. The state allows 500 academic hours for graduation credit and 1000 practical clock hours. Upon successful completion of their hours and both portions of the exam students will receive their Cosmetology License while enrolled in High School.



*Interlink targeted occupations for high demand employment opportunities for 2009-2014*

## 8th Graders:

*You recently took the EXPLORE test which categorized your likes and dislikes. Using the EXPLORE chart people suited to the Human Services field enjoy working with*

## PEOPLE

### BISD Related High School Courses

- Cosmetology I-II
- Principles of Human Services
- Entrepreneurship
- Environmental Science
- Lifetime Nutrition and Wellness
- Professional Communications

### SAMPLE 4 YEAR PLAN FOR HUMAN SERVICES

This Human Services focused graduation plan is reflective of SBOE requirements. The first four columns represent the Texas 4x4 plan of required core subjects. \*Courses may be completed at any level.

Services	1	2	3	4	5	6	7
<b>Freshman</b>	English I/Pre-AP English I	Algebra I or Pre-AP Geometry	Biology or Pre-AP Biology	World Geography/ Pre-AP World Geo.	*Other Language I	*Fine Arts Elective	*P.E. or substitute
<b>Sophomore</b>	English II or Pre-AP English II	Geometry or Pre-AP Algebra II	Chemistry or Pre-AP Chemistry	World History or Pre-AP World History	*Other Language II	*Prof. Communications and Health	Business Information Management
<b>Junior</b>	English III or AP English	Algebra II, Precalculus,	Physics, Pre-AP Physics or Prin. of Technology	U.S. History or AP U.S. History	Cosmetology I (3 credits)		
<b>Senior</b>	English IV, or Dual Credit English	Precalculus or other 4th year Math	4th Year Science	Gov't or AP Gov't AND Economics	Cosmetology II (3 credits)		

### WHERE CAN I GO WITH COSMETOLOGY?

<b>HS Diploma/ Certification</b>	Shampoo Technician, Hair Stylist
<b>Jr/Tech/Community College or Apprenticeship</b>	Hair Stylist, Nail Technician, Massage Therapist
<b>Bachelor's, Master's, Doctorate Degree</b>	Salon Owner, Physical Therapist, Spa Services Coordinator, Personal Stylist

### HOW CAN I GAIN EXPERIENCE?

#### School Activities

National Honor Society, Academic Clubs

#### Community Activities

Hospital Volunteer, Red Cross Volunteer, Church Volunteer, Specialty Food Classes

#### College Majors

Culinary Arts, Nutrition Sciences, Family and Consumer Sciences, Foods Nutrition & Wellness



# HUMAN SERVICES

TexasAchieve career cluster for Human Services includes provisions to become an Emergency Medical Technician, or work with other medical programs.

## 8th Graders:

*You recently took the EXPLORE test which categorized your likes and dislikes. Using the EXPLORE chart people suited to the Human Services field enjoy working with*

## PEOPLE

### BISD Related High School Courses

- Medical Terminology
- Principles of Health Science
- Counseling & Mental Health
- Clinical Rotations
- Anatomy & Physiology of Human Systems
- Practicum in Health Science (WBL), Clinical Technician



**EMT:  
Triage**

*Interlink targeted occupations for high demand employment opportunities for 2009-2014*

## SAMPLE 4 YEAR PLAN FOR CLINICAL ROTATIONS, PHARMACY TECH & EMT

This Human Services focused graduation plan is reflective of SBOE requirements. The first four columns represent the Texas 4x4 plan of required core subjects. \*Courses may be completed at any level.

Services	1	2	3	4	5	6	7
<b>Freshman</b>	English I/Pre-AP English I	Algebra I or Pre-AP Geometry	Biology or Pre-AP Biology	World Geography/Pre-AP World Geo.	*Other Language I	Business Information Mgmt	*Fine Arts Elective
<b>Sophomore</b>	English II or Pre-AP English II	Geometry or Pre-AP Algebra II	Chemistry or Pre-AP Chemistry	World History or Pre-AP World History	*Other Language II	*Prin. of Health Science	Medical Term. & Professional Comm.
<b>Junior</b>	English III or AP English III	AP Algebra II, Precalculus	Physics, Pre-AP Physics or Principles of Technology	U.S. History or AP U.S. History	*Other Lang. III (for DAP)	Clinical Rotations I (2 credits)	
<b>Senior</b>	English IV, or Dual Credit English	Precalculus or 4th year Math	Anatomy & Physiology of Human Systems	Gov't or AP Gov't AND Economics	* PE. or substitute	Practicum in Health Science (WBL), Clinical Technician or EMT (2 credits)	

## WHERE CAN I GO WITH CLINICAL ROTATIONS, PHARMACY TECH, EMT OR WBL?

<b>HS Diploma/ Job Training</b>	Emergency Medical Technician (certification opportunity), Medical Office work
<b>Jr/Tech/Community College or Apprenticeship</b>	Ambulance EMT or Paramedic, Fire-fighter, Search and Rescue (SAR) Medic, Ski Patrol Medic, Critical Care or Flight Paramedic
<b>Bachelor, Masters or Doctorate</b>	EMS Instructor, Emergency Mgmt, Fire Chief, Medical Administration

## HOW CAN I GAIN EXPERIENCE?

### School Activities

Health Occupations Students of America

### Community Activities

Hospital Candy Strippers, Red Cross Volunteer, Volunteer Fire Fighter

### College Majors

Emergency Medical Services, Health and Medical Services, Medical Sciences, EMS and Paramedic

Career Pathway  
Social, Personal and Public Service



# LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY

TexasAchieve career cluster for Law, Public Safety, Corrections & Security involves management practices and criminal justice, public relations and incident response.

## 8th Graders:

You recently took the EXPLORE test which categorized your likes and dislikes. Using the EXPLORE chart people suited to the Public Safety field enjoy working with

## PEOPLE & DATA

## FORENSIC SCIENCE:

## Crime Scene Investigation



*Interlink targeted occupations for high demand employment opportunities for 2009-2014*

## BISD Related High School Courses

- Court Systems and Practices
- Principles of Law I-II
- Law Enforcement I-II
- Forensic Science
- Firefighter
- Principles of Law, Public Safety, Corrections and Security

## SAMPLE 4 YEAR PLAN FOR LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

This Law, Public Safety, Corrections & Security focused graduation plan is reflective of SBOE requirements. The first four columns represent the Texas 4x4 plan of required core subjects. \*Courses may be completed at any level.

Services	1	2	3	4	5	6	7
<b>Freshman</b>	English I/Pre-AP English I	Algebra I or Pre-AP Geometry	Biology or Pre-AP Biology	World Geography/Pre-AP World Geo.	*Other Language I	*Fine Arts Elective	*P.E. credit
<b>Sophomore</b>	English II or Pre-AP English II	Geometry or Pre-AP Algebra II	Chemistry or Pre-AP Chemistry	World History or Pre-AP World History	*Other Language II	*Prof. Communications and Health	Prin. of Law Public Safety, Corr. & Sec.
<b>Junior</b>	English III or AP English	Pre-AP Algebra II or Precalculus	Physics, Pre-AP Physics or Principles of Technology	U.S. History or AP U.S. History	*Other Lang. III (for DAP) or JROTC	Law Enforcement I (2 credits)	
<b>Senior</b>	English IV, or Dual Credit English	Precalculus or 4th year Math	Forensic Science	Gov't or AP Gov't AND Economics	Business Information Mgmt	Criminal Justice Internship, Law Enforcement II or Firefighter (2 credits)	

## WHERE CAN I GO WITH LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY?

<b>HS Diploma/ On-the-Job Training</b>	Animal Caretaker, Corrections Officer, Dispatcher, Firefighter, Police Officer, Private Security
<b>Jr/Tech/Community College or Apprenticeship</b>	Case Worker, Corrections Officer, Firefighter, Juvenile Facility Officer, Park Ranger, Probation Officer, Police Administrator,
<b>Bachelor's or Master's Degree, Doctorate</b>	FBI/CIA/DEA/Federal Agent, Lawyer, District Attorney, Fire Chief, Game Warden, Inspector/Compliance Officer, Police Chief

## HOW CAN I GAIN EXPERIENCE?

### School Activities

Career & Technology Education Organizations, National Honor Society, Peer Tutoring/Counseling, Speech Contest, Student Government, Debate, Academic Decathlon

### Community Activities

Babysitting, Hospital Candy Strippers, Community Service Volunteers, Red Cross Volunteer, Volunteer Fire Fighter, Teen Court Volunteer

### College Majors

Court Reporting, Legal Studies, Paralegal Studies, Pre-law Studies, Criminology



# GOVERNMENT AND PUBLIC ADMINISTRATION

TexasAchieve career cluster for Government and Public Administration involves citizenship and civic services.

**JROTC** has not only helped me mature since my freshman year; it has also taught me leadership skills and behavior skills, and it has helped me get advanced rank in the Texas Army National Guard.  
*Brandon Plotner, HHS Graduate*

*Interlink targeted occupations for high demand employment opportunities for 2009-2014*

### 8th Graders:

*You recently took the EXPLORE test which categorized your likes and dislikes. Using the EXPLORE chart people suited to JROTC enjoy working with*

### PEOPLE & DATA

### BISD Related High School Courses

- Court Systems and Practices
- Principles of Law I-II
- Law Enforcement I-II
- Forensic Science
- Firefighter
- JROTC



## SAMPLE 4 YEAR PLAN FOR JROTC

This JROTC focused graduation plan is reflective of SBOE requirements.

The first four columns represent the Texas 4x4 plan of required core subjects. \*Courses may be completed at any level.

GOV'T	1	2	3	4	5	6	7
<b>Freshman</b>	English I/Pre-AP English I	Algebra I or Pre-AP Geometry	Biology or Pre-AP Biology	World Geography/Pre-AP World Geo.	*Other Language I	*Fine Arts Elective	JROTC
<b>Sophomore</b>	English II or Pre-AP English II	Geometry or Pre-AP Algebra II	Chemistry or Pre-AP Chemistry	World History or Pre-AP World History	*Other Language II	*Prof. Communications and Health	JROTC
<b>Junior</b>	English III or AP English	Pre-AP Algebra II or Precalculus	Physics, Pre-AP Physics or Principles of Technology	U.S. History or AP U.S. History	*Other Lang. III (for DAP)	Business Information Mgmt or Technology Elective	JROTC
<b>Senior</b>	English IV, or Dual Credit English	Precalculus or 4th year Math	4th Year Science	Gov't or AP Gov't AND Economics	Law Enforcement (2 credits)		JROTC

## WHERE CAN I GO WITH JROTC?

<b>HS Diploma/ On-the-Job Training</b>	Taking 3-4 years of JROTC allows cadets to instantly rank higher if they pursue a military career
<b>Jr/Tech/Community College or Armed Services</b>	Case Worker, Corrections Officer, Firefighter, Juvenile Facility Officer, Park Ranger, Probation Officer, Police Administrator, Armed Forces Officer
<b>Bachelor's or Master's Degree, Doctorate</b>	FBI/CIA/DEA/Federal Agent, Fire Chief, Game Warden, Inspector and Compliance Officer, Police Chief

## HOW CAN I GAIN EXPERIENCE?

**School Activities**  
 Career & Technology Education Organizations, National Honor Society, Student Government, JROTC

**Community Activities**  
 Community Service Volunteers, Red Cross Volunteer, Boy Scouts of America, Volunteer Fire Fighter, Teen Court Volunteer

**College Majors**  
 Court Reporting, Legal Studies, Paralegal Studies, Pre-law Studies, Criminology

**Career Pathway**  
 Social, Personal and Public Service