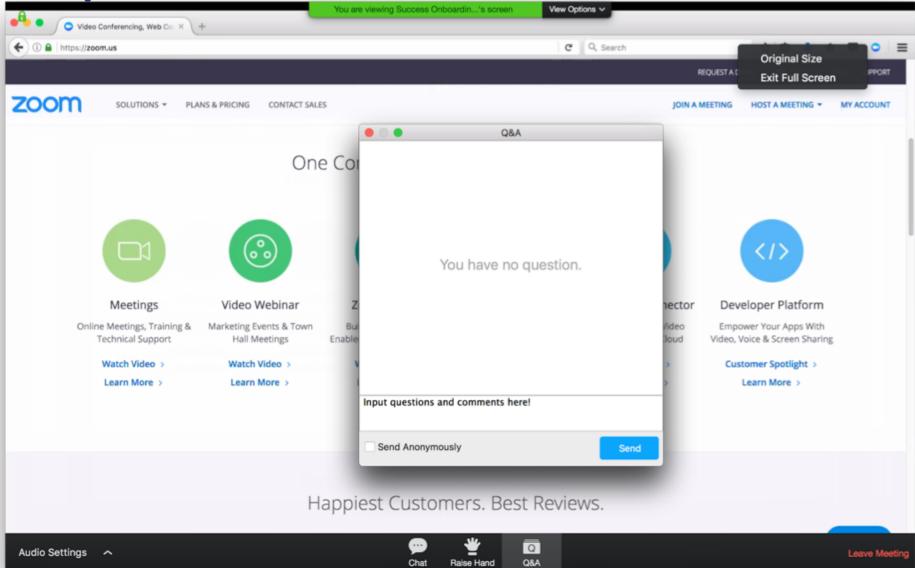


MONTHLY WEBINAR SERIES

TEACHING AND ADVISING CAREER PATHWAYS

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Content Areas

Career Pathways >

Financial Aid >

Postsecondary Pathways >

Specialties >

9999

8888

AGENDA

- Introductions
- Texas OnCourse Lesson Spot Light Jamie Bell, Texas OnCourse
- Texas OnCourse Resource Spot Light Jaslyn Greene, Texas OnCourse
- Lori Knight, Educational Outreach Specialist, TWC
- Christi Barrera, CTE Counselor
 San Felipe Del Rio CISD
- Webinars 2018-2019
- Q & A and Wrap up

Lara Gueguen

Senior Partnerships Coordinator, Texas OnCourse





Jaslyn Greene

Associate Director of Content and Resources, Texas OnCourse



Jamie Bell

Curriculum and Instruction Manager, Texas OnCourse

Lorena Knight

Education Outreach Specialist
Labor Market and Career Information Department
Texas Workforce Commission



Christi Barrera

Texas OnCourse Leader Fellow, Counselor CTE Counselor San Felipe Del Rio CISD





Lesson 1.2: Investigating Career Clusters and Programs of Study

- Introduction to the 16 Career Clusters
- Students examine their own skills and interest.
- Research each cluster and write a summary, salary range, and education range.
- Identify an area to continue their search.



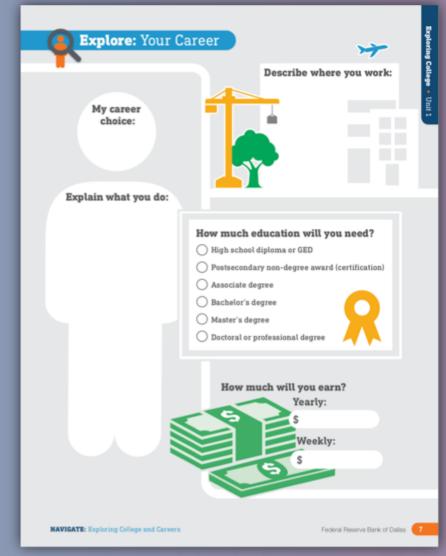
Student's work

Summarizing their findings:

Handout: Career Clusters

Career Cluster	Summary	Salary ranges	Education ranges
Agriculture, food, and natural resources			
Architecture and construction			
Arts, audio/video technology, and communications			
Business management and administration			
Education and training			
Finance			
Government and public administration			
Health science			
Hospitality and tourism			
Human services			
Information technology			
Law, public safety, corrections, and security			
Manufacturing			
Marketing			
Science, technology,			

Synthesizing how it applies to them:



Middle School Curriculum Guide

https://texasoncourse.org/tools/texas-oncourse-middle-school-curriculumguide/

- TEKS-aligned
 - College and career readiness
 - Investigating careers
- Incorporates MiddleGalaxy and MapMyGrad
- Over 30 lesson plans
- Includes suggested implementation plans for 1 or 2 semesters



Questions to Help Students Choose a Career Cluster

Have students answer the following questions to help them decide on a career cluster. If a student answers yes to five or more of the questions for a single career cluster, that cluster may be right for the student. Use the final page of this document to total the student's responses.

	Agriculture, Food & Natural Resources	Architecture & Construction
1.	Do you like working outdoors?	1. Do you like to draw?
2.	Are you good with animals?	2. Are you good at working with tools?
3.	Are you organized?	3. Did you build things with Legos or blocks as a
4.	Do you like working with your hands?	child?
5.	Are you interested in environmental issues?	4. Do you get good grades in math and science?
6.	Do you like working with tools and machinery?	5. Do you like working on projects as part of a team?
7.	Do you enjoy gardening?	Have you ever built a treehouse or another structure?
8. 9.	Do you like hunting and fishing? Are you interested in biological sciences?	7. Do you enjoy decorating your bedroom or other rooms in your home?
10.	Do you like camping?	8. Are you good at following directions?
		Do you dream of constructing skyscrapers or other structures?
		10. Do you like working with your hands?
	Arts, A/V Technology & Communication	Business Management & Administration
1.	Arts, A/V Technology & Communication Do you have an active imagination?	Business Management & Administration 1. Do you like math?
1. 2.		-
	Do you have an active imagination?	1. Do you like math?
2.	Do you have an active imagination? Do you like to visit art museums? Do you like to read short stories and novels more	 Do you like math? Are you good at organizing clubs or parties? Can you persuade people to accept your point of
2. 3.	Do you have an active imagination? Do you like to visit art museums? Do you like to read short stories and novels more than how-to books?	Do you like math? Are you good at organizing clubs or parties? Can you persuade people to accept your point of view?
 3. 4. 	Do you have an active imagination? Do you like to visit art museums? Do you like to read short stories and novels more than how-to books? Is it important to you to express your feelings?	 Do you like math? Are you good at organizing clubs or parties? Can you persuade people to accept your point of view? Do you like selling things? Are you good at paying attention to details? Do you play chess, other board games, or
 2. 3. 4. 5. 	Do you have an active imagination? Do you like to visit art museums? Do you like to read short stories and novels more than how-to books? Is it important to you to express your feelings? Do you play a musical instrument?	 Do you like math? Are you good at organizing clubs or parties? Can you persuade people to accept your point of view? Do you like selling things? Are you good at paying attention to details? Do you play chess, other board games, or computer games?
 3. 4. 6. 	Do you have an active imagination? Do you like to visit art museums? Do you like to read short stories and novels more than how-to books? Is it important to you to express your feelings? Do you play a musical instrument? Do you like to draw?	 Do you like math? Are you good at organizing clubs or parties? Can you persuade people to accept your point of view? Do you like selling things? Are you good at paying attention to details? Do you play chess, other board games, or computer games? If you play sports, are you a team leader?
 2. 3. 4. 6. 7. 	Do you have an active imagination? Do you like to visit art museums? Do you like to read short stories and novels more than how-to books? Is it important to you to express your feelings? Do you play a musical instrument? Do you like to draw? Have you ever acted in a school play?	 Do you like math? Are you good at organizing clubs or parties? Can you persuade people to accept your point of view? Do you like selling things? Are you good at paying attention to details? Do you play chess, other board games, or computer games? If you play sports, are you a team leader? Do you like to be in charge of group projects?
 2. 3. 4. 6. 7. 8. 9. 	Do you have an active imagination? Do you like to visit art museums? Do you like to read short stories and novels more than how-to books? Is it important to you to express your feelings? Do you play a musical instrument? Do you like to draw? Have you ever acted in a school play? Are you independent and creative?	 Do you like math? Are you good at organizing clubs or parties? Can you persuade people to accept your point of view? Do you like selling things? Are you good at paying attention to details? Do you play chess, other board games, or computer games? If you play sports, are you a team leader? Do you like to be in charge of group projects? Do you like working and earning your own money?
 3. 4. 6. 7. 8. 9. 	Do you have an active imagination? Do you like to visit art museums? Do you like to read short stories and novels more than how-to books? Is it important to you to express your feelings? Do you play a musical instrument? Do you like to draw? Have you ever acted in a school play? Are you independent and creative? Do you know how to set up sound equipment?	 Do you like math? Are you good at organizing clubs or parties? Can you persuade people to accept your point of view? Do you like selling things? Are you good at paying attention to details? Do you play chess, other board games, or computer games? If you play sports, are you a team leader? Do you like to be in charge of group projects?



Three Steps to Explore Career Pathways

Students can follow these three steps to help them identify their best-fit career pathways.

Identify interests

Have each student divide a page into four columns. Label the first two columns "Interests" and "Job Ideas." In the first column, the students should list interests, such as art or sports. Then in the second column, list jobs that are related to each interest.

If students draw a blank, have them think about people they've read about or met who have interesting jobs. Students can also use career quizzes that are available in their counselor's office and online resources like The Princeton Review Career Quiz.

Think about how to get there

Have students label the third column "Requirements." Remind students that they are not planning their whole life right now, but this activity will help them know what skills, classes, and degrees different jobs require.

Students might discover that they don't like the courses typically needed to complete a college major that aligns with one of the jobs on their list. Students can research education requirements for different jobs by using Major and Career Search.

3 Test it out

Have students label the last column "Things I Can Do Now" and list ways to experience what one of the jobs on their list is really like. Students can choose some of these ideas or come up with their own:

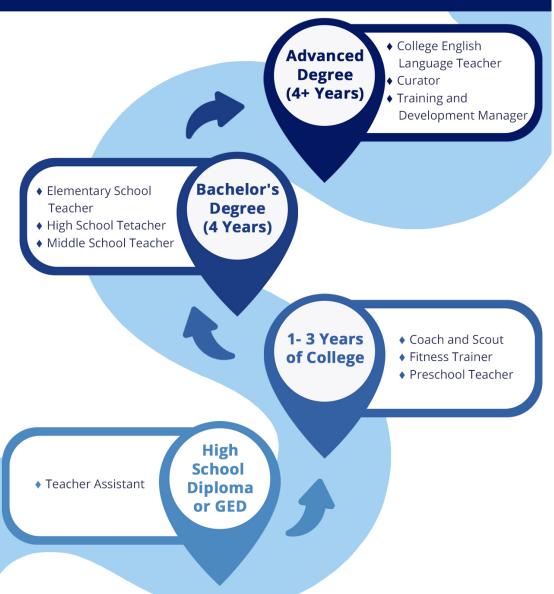
- Volunteer where they can meet someone who has one of the jobs they are interested in.
- · Look for paid or unpaid internships.
- Accompany someone who works in the field to experience a day on the job.
- Conduct research at the library or on the Web.
- Find a mentor who can give them perspective and advice.
- Talk to family members and friends who work in those careers or know others who do.

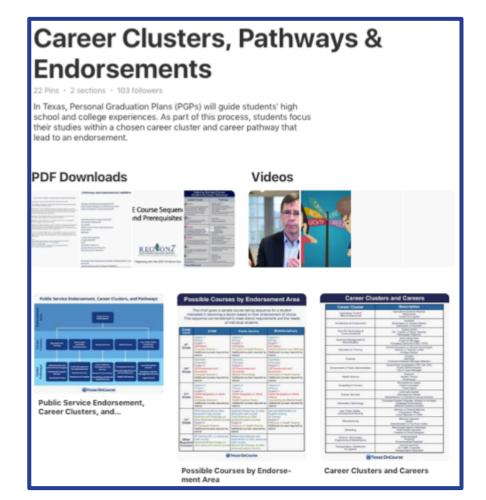
Once students have a better feel for a career path, have them decide whether they still want to keep it on their list. Even if they decide to cross it off, they have gained valuable insight into what they might like to do.

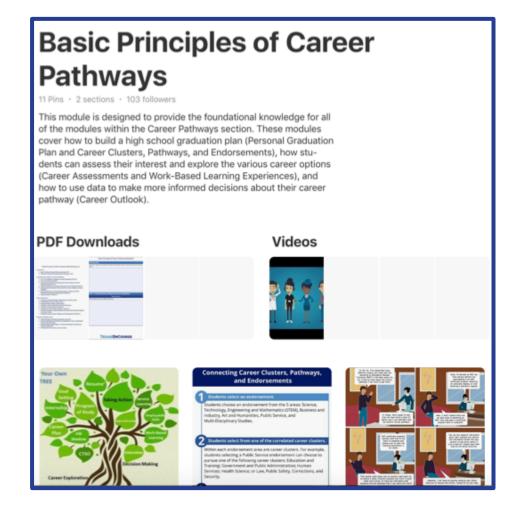


Teaching and Training Career Pathway

Like most career pathways, the Teaching and Training pathway contains several entry points based on different levels of education and experience.







https://www.pinterest.com/texasoncourse/



LMCI Career Education Outreach:

Tools and Resources

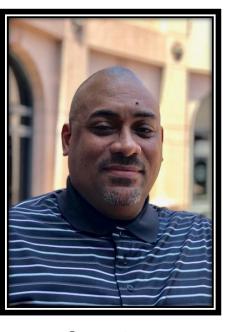




Malisa Barnes



Micah Carpenter



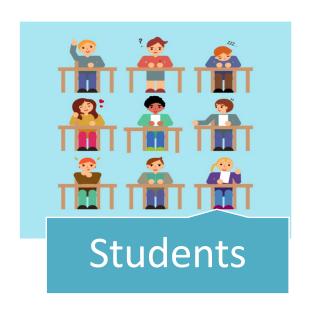
Major Jones



Lori Knight

careerinformation@twc.state.tx.us

Our Main Audiences







- * Administrators
- ★ Policy Makers

- **★ CTE Faculty & Staff**
- **★** Education Partners

Our Services



Presentations



PD Sessions



Resource Showcase



Resource Demo



Career Fair Table



Selfie Photo Booth

Sample Presentation Topics



Data Types We Can Provide to Academic Partners



- Occupation Projections
- Real-Time Job Posting Numbers



- Hot Jobs
- Occupation Wages



- Skill & Certification Demand
- Student Demand

Publications We Recommend for Career Exploration Help



- Print Publications
- Classroom Poster Sets
- Publications that provide
 - Projections
 - Soft Skill Help
 - College Selection
 Guidance
 - HB 5 Endorsement Help

Occupation Outlook Handout

- State Occupation Projections
- Projections through 2026
- Top 30 jobs in several categories:
 - Fastest growing occupations
 - Adding the most jobs
 - Most job postings
 - Highest paid occupations

Texas Employment Outlook

2016-2026

Highlights



- Fastest Growing Occupations
- Occupations Adding The Most Jobs
- Highest Paying Occupations
- Occupations with Most Projected Annual Average Job Openings



Texas Workforce Commission
Labor Market & Career Information Department
101 East 15th Street, Room 354
Austin, Texas 78778-0001
Phone: 512-936-3200
Fax: 512-936-3204
www.tracer2.com

www.texasworkforce.org/Imci 1-866-938-4444 (toll free)

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Top 10 Career Tips:

- How to find a job
- How to get the job
- How to keep a job
 - Employability skills
 - What employers want
 - Be an asset not a liability
 - Social Media Tips

Also available as classroom posters

TOP 10 CAREER TIPS

for a Successful Future



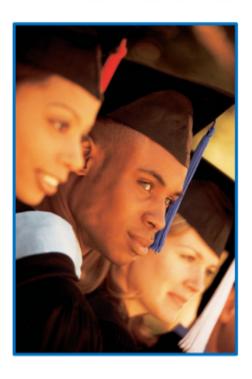
- How To Search for a Job
- Job Interviewing
- How To Succeed At Work
- Social Media
- Wage Conversions



Beyond High School

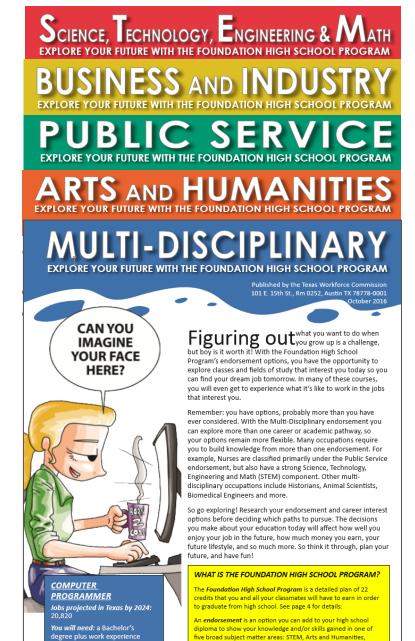
- Written for students and parents
- Discusses all post-secondary options
- Helps navigate the college-selection process
 - Defines different institution types
 - Compares options
 - Identifies selection criteria
 - Offers step-by-step approach

BEYOND HIGH SCHOOL



A Guide for High School Students
Pursuing Higher Education and Training





High School Endorsement Bulletins





Career Hotline:

- 24/7 automated line
- Get career or college information
 - 3 careers
 - 3 colleges/universities
 - Can call more than once
 - Anyone can call
- Counselor Packets



1-800-822-PLAN (7526)



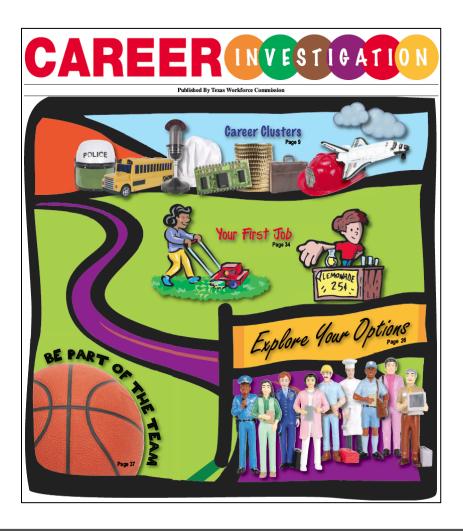
Work In Progress



Resources in Progress

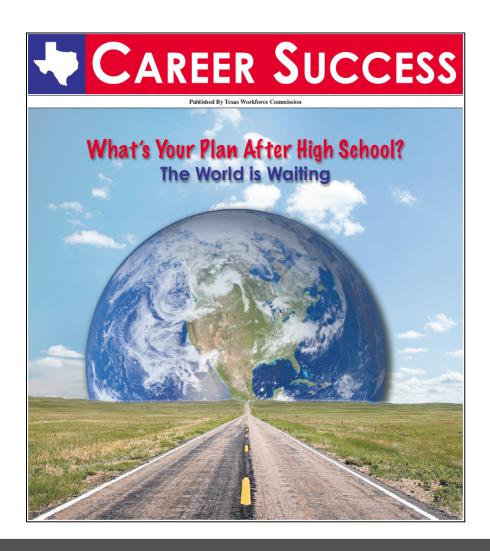
- Career Investigations
- Career Success
- Soft Skills
- Career Pathways
- Training of Trainers
- Media Kit

Career Investigations



- Middle School Resource
- Career Readiness
- 8x10 Workbook format
- Currently in Production Phase

Career Success



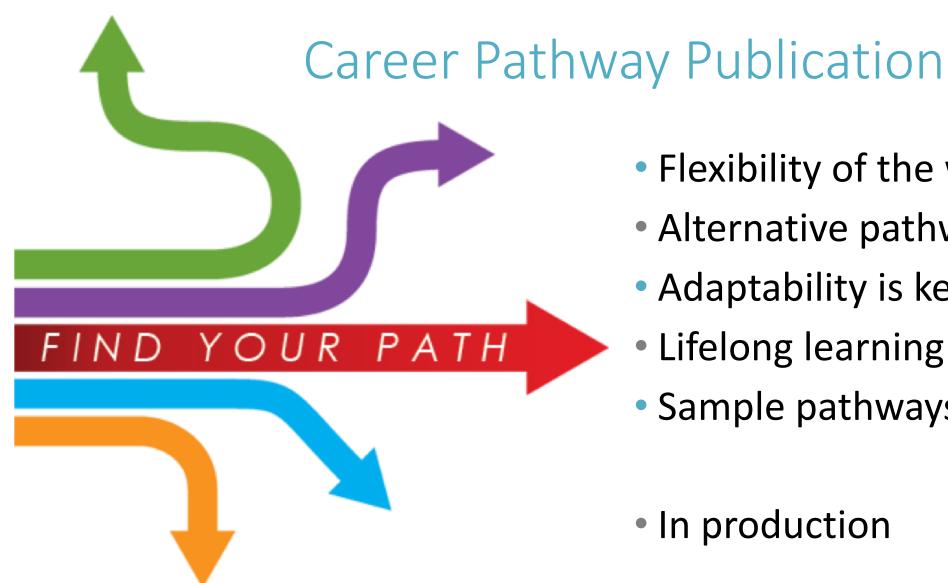
- High School Resource
- Career Readiness
- 8x10 Workbook format
- Currently in Production Phase

Soft Skill Publication

- Soft Skill Data
- Definition and Importance
- Identification of skills
- Recommendations on how to practice and build skills
- List of resources

In production phase





- Flexibility of the workforce
- Alternative pathways
- Adaptability is key
- Lifelong learning is critical
- Sample pathways identified

In production

TWC Media Kit for Schools

- Resource Videos
- Labor Market Data

- Tutorial Videos
- Career Exploration

Timers

Hashtags



JOBS Y'ALL Initiative

www.jobsyall.com





YOUR (AREER.





San Felipe Del Rio CISD
Career & Technical Education (CTE)

Advising & Teaching Career Pathways

Christi Barrera, CTE Counselor



Career Clusters (US

(US Dept. of Education)

- 1. Architecture and Construction
- 2. Arts, A/V Technology & Communications
- 3. Business Management & Administration
- 4. Education & Training
- 5. Finance
- 6. Health Science
- 7. Hospitality & Tourism
- 8. Human Services
- 9. Information Technology
- 10. Law, Public Safety, Corrections & Security
- 11. Manufacturing
- 12. Science, Technology, Engineering, & Math
- 13. Transportation, Distribution, & Logistics





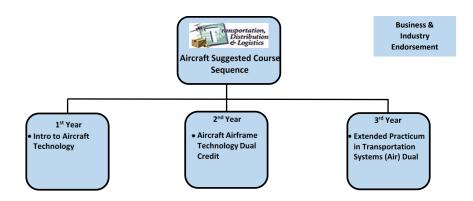
Best Practices

- Ambassadors are a great asset!
 - CTE video
- Begin as early as possible
 - Career Fairs
- Annual CTE presentations for all 8th & 9th graders
- Annual CTE Fairs for all 8th & 9th graders
- College & Career Readiness course
- Annual events for the public (parents)





Information to Share



Introduction to Aircraft Technology (8727)

Grade 10 1 Credit Pre-requisite: admission criteria

This course is designed to teach the theory of operation of aircraft airframes, power plants, and avionics systems and associated maintenance and repair practices. Aircraft services include knowledge of the function, diagnosis, and service of the electrical, electronic, hydraulic, pneumatic, airframe, mechanical, and power plant components of aircraft. Safety regulations will be explored through OSHA.

Aircraft Airframe Technology Dual Credit (8724-6)

Grade 11 2 Credits College Credit at SWTJC for AERM 1203, 1210, & 1315

Pre-requisite: Intro to Aircraft Technology and SWTJC requirements

This course is designed to teach basic theory of operation of aircraft, its power plants (engines), airframe (structure), and avionic system (instrumentation) along with associated maintenance and repair practices to keep these systems working. Students will understand the theory of how they all work to keep aircraft flying. Students will earn credit for the following college courses: AERM 1210 Ground Operations; AERM 1203 Shop Practices; AERM 1315 Aviation Science.

Extended Practicum in Transportation Systems (Air) (8729-6)

Grade 12 3 Credits College Credit at SWTJC for AERM 1314, 1350, & 2231

Pre-requisite: Aircraft Airframe Technology Dual and SWTJC requirements

Laughlin Air Force Base becomes the classroom for this course, providing hands-on training on T-1, T-6, and T-38 aircraft. Students learn about removing, replacing, and installing components of different systems that make an aircraft fly. They are trained on servicing fuel and oil in the engines and hydraulic systems of the aircraft and learn the proper use of manuals and publications to maintain aircraft. Students will earn credit for the following college courses: AERM 1314 Basic Electricity; AERM 1350 Landing Gear Systems; AERM 2231 Airframe Suspension.

The completion of all Aircraft Dual Credit classes will result in eligibility to participate in graduation ceremonies at South West Texas Junior College and earn a one-year college certificate in Aviation Maintenance.



Information to Share in the Classroom

San Felipe Del Rio CISD Endorsements

Business & Industry	Public Services	STEM	Arts & Humanities	Multidisciplinary Studies
Students may earn a Business & Industry endorsement by selecting and completing the requirements from one of the following 2 options: Option 1: CTE	Students may earn a Public Services endorsement by selecting and completing the requirements from one of the following 2 options: Option 1: CTE	Students may earn a STEM endorsement by selecting and completing the requirements from one of the following 3 options: *All students must earn credit	Students may earn an Arts & Humanities endorsement by selecting and completing the requirements from one of the following 4 options:	Students may earn a Multidisciplinary Studies endorsement by selecting and completing the requirements from one of the following 3 options:
Students earn 4 credits by taking at least 2 courses in the same cluster (including 1 advanced course) in one of the following areas:	Students earn 4 credits by taking at least 2 courses in the same cluster (including 1 advanced course) in one of the following areas:	for Algebra II, Chemistry, and Physics in order to earn the STEM Endorsement. Option 1: CTE	Option 1: Social Studies Students earn 5 Social Studies credits Option 2: Foreign Language	Option 1: Four by Four Students earn 4 credits in each of the 4 core content areas • 4 English credits including English IV • 4 Math credits
Architecture & Construction Arts, Audio/Video Technology, & Communications Business Management & Administration	Education & Training Health Science Human Services Law, Public Safety, Corrections, & Security	Students earn 4 credits by taking at least 2 courses in the same cluster (including 1 advanced course) in the following area: • Project Lead the Way (PLTW) Engineering	Students earn 4 credits in the same Language Other Than English (LOTE)	4 Science credits including Biology, Chemistry and/or Physics 4 Social Studies credits
Finance Hospitality & Tourism Information Technology Manufacturing (Welding) Transportation, Distribution, & Logistics Option 2: Journalism	Option 2: JROTC Students earn four credits in JROTC	Option 2: Math Students take Algebra I, Geometry, and Algebra II AND 2 of the following courses for which Algebra II is a pre- requisite • Precalculus • Advanced Quantitative Reasoning • Statistics AP	OR Students earn 2 credits in one foreign language AND 2 credits in a different foreign language Option 3: Fine Arts Students earn 4 credits in the	Option 2: Advanced Courses Students take 4 advanced credits that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas that
Students earn four credits in Journalism-Yearbook		Calculus AP Cipineering Mathematics Statistics & Risk Management Option 3: Science Students take Biology, Chemistry, Physics, AND 2 of the following science courses Environmental Systems	Same fine arts area OR Students earn 2 credits in one fine arts area and 2 credits in a different fine arts area	Option 3: AP or Dual Credit Students earn 4 credits in AP or dual credit courses in the following areas: English, math, science, SS, economics, LOTE, or
		Biology AP Chemistry AP Physics AP Environmental Science AP Anatomy & Physiology Forensic Science Engineering Science	Option 4: English Students earn 4 additional credits in advanced English	fine arts



cialPlanning

Additional Info

- Certifications
- CTE student organizations
- Alternate classroom settings
- Admission requirements







Free Do-It-Yourself Training Sessions



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OWN TOMORRO

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When: Saturday, February 9, 2019 10am –12 pm

Please call 830.778.4364 to sign up and reserve your seat.

Limited Seating Per Session. Please Register Early!

- Automotive
 - S1 Check Your Vehicle Fluids (10th grade—Adult)
 S2 Change Your Spare Tire (10th grade—Adult)
- Construction
 - S3 Build a Bird House (5th grade-8th grade)
- Electrical
 - S1 or S2 Install a Switch & Receptacle (Adult)
- Culinary
 - S1 or S2 Create a Pesto Trio (1st —6th grade)
 - S1 or S2 Knife Skills: Deboning a Chicken (7th- 12 grade)
- Business
 - S1 or S2 Overview of Microsoft Office (10th grade—Adults)
 - S1 Building a Resume (10th grade—Adults)
 - S2 Excel Interest Calculator (10th grade—Adults)
- Communications
 - S1 or S2 Interview Skills (10th grade—Adult)
- Education
 - S1 Make & Take (Craft and Games) (Elementary)
 - S2 Developing Leadership Skills (Middle School)
- STEM
 - S1 or S2 Hair Dryer Racecars (3rd—5th grade)
 - S1 or S2 Fidget Spinner Apps (Android) (4th-6th grade)
- Health Science
 - S3 Health Science Center & Learn Techniques (5th 9th grade, Adults)* DRHS 1100 Wing
- Audio/Video
 - S3 Green Screen Demo (7th grade Adults)*
- Aircraft
 - S1 or S2 Grow Your Own Aircraft Program Overview (7th 9th grade)
- CTE Counselor
 - S1 College Readiness Topics (7th- 12 grade, Adults)
 - S2 Career Readiness Topics (7th 12 grade, Adults)























WEBINARS IN 2018-2019

- MARCH 5th, 2019: Assessments and Test Taking Strategies
- APRIL 2ND, 2019: Essays, Writing Samples and Resumes
- MAY 7TH, 2019: College Readiness and the TSIA Exam
- JUNE 4TH, 2019: Advising Students with Unique Needs and Circumstances

