



Texas Workforce Commission

A Useable Resource

Objectives for Today

- Have a better understanding of our tutorial services.
- Know how to book an online training session.
- See a sample of what you and your colleagues can learn in a training session.
- Have a better understanding of our other outreach services available.



A New Way to Learn

We:

- Had difficulty meeting the needs of our audience
- Needed a new approach

If you have...

- Access to a computer, wifi connection, and an invitation

We can help!



Adobe Connect

- Platform for online tutorials
- Real-time demos and Q&A
- All sessions recorded and posted online
- Always **FREE**

Sneak Peek

- Want to know how to use Texas CARES?
- Let's take a look.

Finding Occupation Data

Texas CARES

World of Work

World of Learning

World of Learning

World of Learning

Related Links

Video Station

About CARES

Enter your name to personalize your reports

Teachers, Counselors, Principals, Administrators, and Students, enter your email address to subscribe to House Bill 5 updates:

*Email Address

This online version of Texas CARES is optimized for viewing at a screen setting of 1024x768 using MS Internet Explorer 5.5 or better.

Start here: www.texascaresonline.com

Enter the World of Work

TEXAS WORKFORCE COMMISSION

Texas CARES

World of Work

World of Learning

World of Work

World of Learning

Related Links

Video Station

About CARES

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TIPS

This online version of Texas CARES is optimized for viewing at a screen setting of 1024x768 using MS Internet Explorer 5.5 or better.

Click on Occupation Info

The image shows a screenshot of the Texas CARES website interface. At the top left is the Texas Workforce Commission logo. The title "Texas CARES" is prominently displayed in the center. On the right, there is a "World of Learning" globe icon. The main content area features a background image of an astronaut on the moon. Overlaid on this image is a "Hot Shots" box. To the right of the astronaut image is a vertical menu of five buttons: "Self-Assessment", "Skills Transferability (Best Match)", "Exploring Work", "Career Clusters", and "Occupation Info". A large red arrow points to the "Occupation Info" button. On the far right, the word "TIPS" is written vertically. At the bottom left, there is a vertical stack of five stars containing the characters "?", "W", "P", "M", and "<". At the bottom center, the text "World Of Work" is displayed.

Let's Research Welders

The image shows a screenshot of the Texas CARES website interface. At the top left is the Texas Workforce Commission logo. The main title 'Texas CARES' is prominently displayed. Below the title are several navigation tabs: 'BY CAREER', 'TITLE ORDER', 'CODE ORDER', 'BY CATEGORY', 'BY KEYWORD', 'CROSSWALK', 'SORT', and 'VIDEO'. A search box is present with the text 'Welder' entered. A large red arrow points to this search box. To the right of the search box is a 'Career Search' button. Below the search box is a large empty area for results. At the bottom of the interface are several filter buttons: 'Compare', 'Chart Compare', 'Military', 'Green Jobs', 'New & Emerging', and 'Characteristics'. The text 'Find An Occupation' is centered at the bottom. On the right side, the word 'TIPS' is written vertically. On the left side, there is a vertical stack of stars with the letters '?', 'W', 'P', 'M', and '<' below them.

TEXAS WORKFORCE COMMISSION

Texas CARES

BY CAREER TITLE ORDER CODE ORDER BY CATEGORY BY KEYWORD CROSSWALK SORT VIDEO

Enter a career (job) title in which you might be interested. If you don't know the title, you can enter a key word or phrase to see some occupations that might match your interests.

Welder Career Search

Compare Chart Compare Military Green Jobs New & Emerging Characteristics

Find An Occupation

TIPS

?
W
P
M
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Be Specific

The screenshot displays the Texas CARES website interface. At the top left is the Texas Workforce Commission logo. The main header reads "Texas CARES" in large, stylized letters. Below the header is a navigation bar with buttons for "BY CAREER", "TITLE ORDER", "CODE ORDER", "BY CATEGORY", "BY KEYWORD", "CROSSWALK", "SORT", and "VIDEO". The "BY CAREER" button is selected. A search box contains the text "Welder" and a "Career Search" button. Below the search box, a message states: "Your search results are shown below, with the best matches at the top and weaker matches towards the bottom." The search results are listed as follows:

- Welders, Cutters, and Welder Fitters**
Use hand-welding or flame-cutting equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products.
- Welders, Cutters, Solderers, and Brazers**
Use hand-welding, flame-cutting, hand soldering, or brazing equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products. *(Limited information is available for this occupation.)*
- Solderers and Brazers**
Braze or solder together components to assemble fabricated metal parts, using soldering iron, torch, or welding machine and flux.
- Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders**

At the bottom of the search results area are buttons for "Compare", "Chart Compare", "Military", "Green Jobs", "New & Emerging", and "Characteristics". The page footer includes the text "Find An Occupation". On the left side of the page, there is a vertical stack of stars with the letters "?", "W", "P", "M", and "<" below them. On the right side, the word "TIPS" is written vertically.



A Lot of Options

TEXAS WORKFORCE COMMISSION

Texas CARES

DESCRIPTION TRAINING KNOWLEDGE, SKILLS & ABILITIES TASKS WORK VALUES LABOR MARKET

51-4121.06 Welders, Cutters, and Welder Fitters

Job Description	Significant Points
<p>Use hand-welding or flame-cutting equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products.</p> <p>Has been identified by O*NET as a potential green job (green increased demand in green economy sector(s): Green Construction; Manufacturing.)</p> <p>GREEN JOB</p>	<p>About 2 out of 3 jobs in this occupation are in manufacturing industries.</p> <ul style="list-style-type: none">* Training ranges from a few weeks to several years of school and on-the-job training.* Employment is projected to experience little or no change.* Job prospects should be good for skilled welders because employers are reporting difficulty finding enough qualified people. (Welding, Soldering, and Brazing Workers)

TIPS

KSA Details **DWA Details** **Tools & Tech** **View Video** **Regional Info** **TX Openings**

Occupation Information

Tab 1- A Closer Look

The screenshot displays the Texas CARES website interface. At the top left is the Texas Workforce Commission logo. The main header reads "Texas CARES" in large, stylized letters. Below the header is a navigation bar with tabs: "DESCRIPTION", "TRAINING", "KNOWLEDGE, SKILLS & ABILITIES", "TASKS", "WORK VALUES", and "LABOR MARKET". The "DESCRIPTION" tab is selected and highlighted with a red arrow. The main content area shows the job title "51-4121.06 Welders, Cutters, and Welder Fitters". It is divided into two columns: "Job Description" and "Significant Points". The "Job Description" column contains text about hand-welding and flame-cutting equipment, and a note identifying it as a potential green job with a "GREEN JOB" label. The "Significant Points" column lists three key points: 2 out of 3 jobs are in manufacturing, training ranges from weeks to years, and job prospects are good for skilled welders. A red arrow points to the "Significant Points" column. Below the main content are buttons for "KSA Details", "DWA Details", "Tools & Tech", "View Video", "Regional Info", and "TX Openings". On the right side, the word "TIPS" is written vertically. At the bottom, the text "Occupation Information" is displayed. On the left side, there is a vertical stack of stars with a question mark, the letters W, P, M, and a less-than sign.

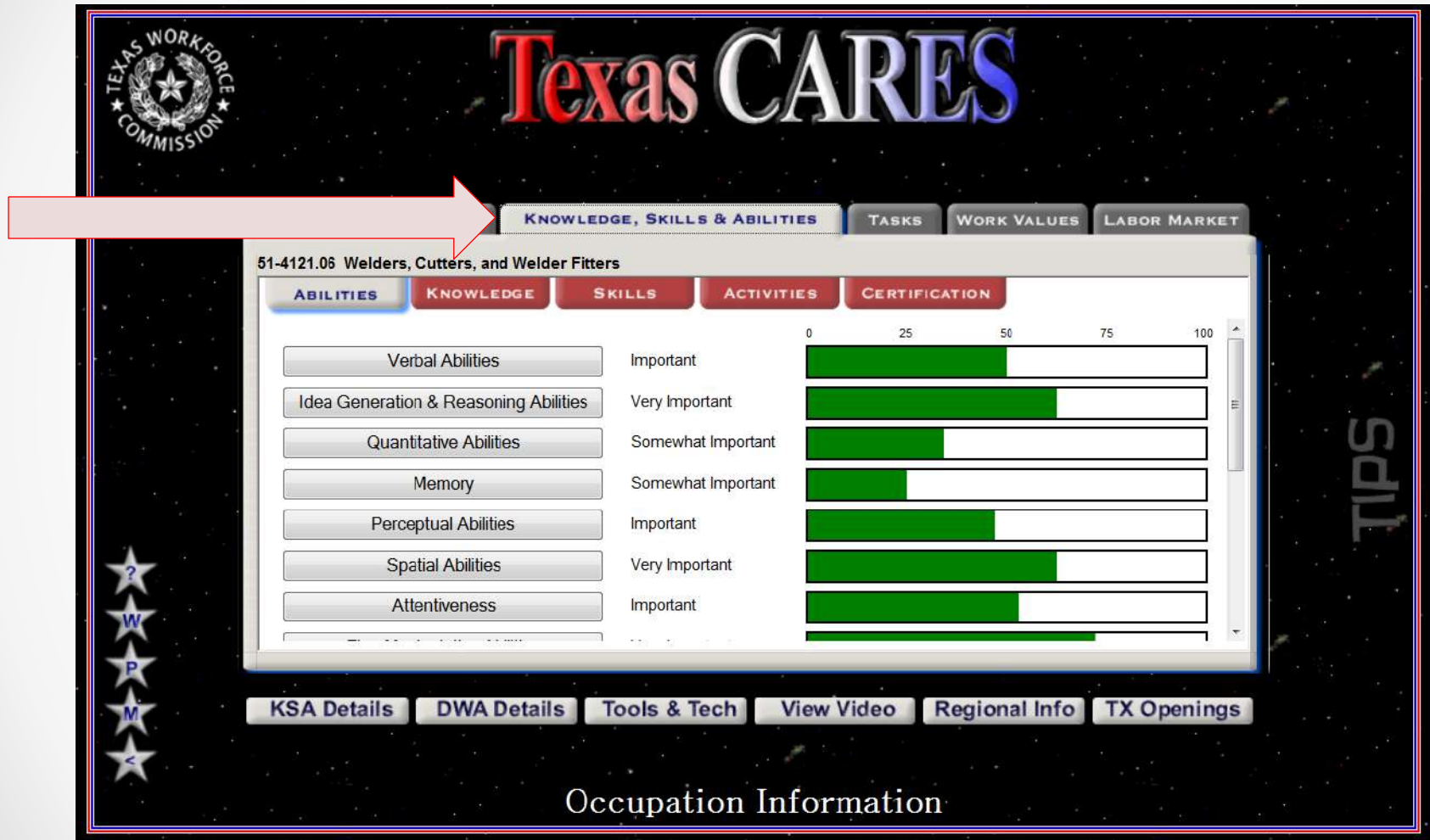
Job Descriptions and Significant Points

Tab 2- A Closer Look

The screenshot displays the Texas CARES website interface. At the top left is the Texas Workforce Commission logo. The main header reads "Texas CARES". Below this is a navigation bar with tabs for "TRAINING", "KNOWLEDGE, SKILLS & ABILITIES", "TASKS", "WORK VALUES", and "LABOR MARKET". The "TRAINING" tab is selected, and a red arrow points to it from the left. The main content area is titled "51-4121.06 Welders, Cutters, and Welder Fitters" and is divided into two columns: "Typical Occupational Education and Training Requirements" and "Programs of Study". The "Programs of Study" column lists two programs: "(150614) Welding Engineering Technology/Technician" and "(480508) Welding Technology/Welder", with a red arrow pointing to the list from the right. At the bottom of the content area are buttons for "KSA Details", "DWA Details", "Tools & Tech", "View Video", "Regional Info", and "TX Openings". The page footer includes the text "Occupation Information" and a vertical "TIPS" banner on the right side. On the left side of the page, there is a vertical stack of five stars, with the second, third, and fourth stars containing the letters "W", "P", and "M" respectively.

Education/Training Requirements and Programs of Study

Tab 3- A Closer Look



Abilities, Knowledge, Skills, Activities and Certifications

Tab 4-A Closer Look

The screenshot displays the Texas CARES website interface. At the top left is the Texas Workforce Commission logo. The main title 'Texas CARES' is prominently displayed. Below the title are three tabs: 'TASKS', 'WORK VALUES', and 'LABOR MARKET'. A large red arrow points to the 'TASKS' tab. The main content area shows the title '51-4121.06 Welders, Cutters, and Welder Fitters' and a list of 12 tasks. At the bottom of the content area are buttons for 'KSA Details', 'DWA Details', 'Tools & Tech', 'View Video', 'Regional Info', and 'TX Openings'. On the left side, there is a vertical stack of five stars, with the second, third, and fourth stars containing the letters 'W', 'P', and 'M' respectively. On the right side, there is a vertical sidebar with three text boxes providing instructions on how to use the website's features.

TEXAS WORKFORCE COMMISSION

Texas CARES

TASKS | WORK VALUES | LABOR MARKET

51-4121.06 Welders, Cutters, and Welder Fitters

- <1> Operate safety equipment and use safe work habits.
- <2> Weld components in flat, vertical, or overhead positions.
- <3> Ignite torches or start power supplies and strike arcs by touching electrodes to metals being welded, completing electrical circuits.
- <4> Clamp, hold, tack-weld, heat-bend, grind or bolt component parts to obtain required configurations and positions for welding.
- <5> Detect faulty operation of equipment or defective materials and notify supervisors.
- <6> Operate manual or semi-automatic welding equipment to fuse metal segments, using processes such as gas tungsten arc, gas metal flux-cored arc, plasma arc, shielded metal arc, resistance welding, and submerged arc welding.
- <7> Monitor the fitting, burning, and welding processes to avoid overheating of parts or warping, shrinking, distortion, or expansion of material.
- <8> Examine workpieces for defects and measure workpieces with straightedges or templates to ensure conformance with specifications.
- <9> Recognize, set up, and operate hand and power tools common to the welding trade, such as shielded metal arc and gas metal arc welding equipment.
- <10> Lay out, position, align, and secure parts and assemblies prior to assembly, using straightedges, combination squares, calipers, and other measuring tools.
- <11> Chip or grind off excess weld, slag, or spatter, using hand scrapers or power chippers, portable grinders, or arc-cutting equipment.
- <12> Analyze engineering drawings, blueprints, specifications, sketches, work orders, and material safety data sheets to plan layout, assembly, and welding operations.
- <13> Connect and turn regulator valves to activate and adjust gas flow and pressure so that desired flames are obtained.

KSA Details | DWA Details | Tools & Tech | View Video | Regional Info | TX Openings

W
P
M

Each tab lets you explore another side of this occupation.

Click on the buttons along the bottom for more detailed information or to view the video (if available).

Click on Regional Info for local labor market information and regional employer contacts.

Click on TX Openings to search for job postings in WorkInTexas.

Occupation Information

Daily Tasks

Tab 5-A Closer Look

The screenshot displays the Texas CARES website interface. At the top left is the Texas Workforce Commission logo. The main header reads "Texas CARES". Below the header are two tabs: "WORK VALUES" (selected) and "LABOR MARKET". A large red arrow points from the left towards the "WORK VALUES" tab. The main content area is titled "51-4121.06 Welders, Cutters, and Welder Fitters". It features a list of work values on the left and a detailed description on the right. The work values listed are: Support, Working Conditions, Relationships, Independence, Achievement, and Recognition. The "Support" value is highlighted. A text box on the right explains that the Support work value is associated with jobs where the company stands behind its workers and where workers are comfortable with management's style of supervision. At the bottom of the page, there are several navigation buttons: "KSA Details", "DWA Details", "Tools & Tech", "View Video", "Regional Info", and "TX Openings". The text "Occupation Information" is centered at the bottom. On the right side of the page, the word "TIPS" is written vertically.

TEXAS WORKFORCE COMMISSION

Texas CARES

WORK VALUES | LABOR MARKET

51-4121.06 Welders, Cutters, and Welder Fitters

HIGHEST WORK VALUE	Support	<p>The Support Work Value is associated with jobs where the company stands behind its workers and where the workers are comfortable with management's style of supervision. These companies typically have a reputation for competent, considerate, and fair management.</p>
SECOND HIGHEST WORK VALUE	Working Conditions	
THIRD HIGHEST WORK VALUE	Relationships	
FOURTH HIGHEST WORK VALUE	Independence	
FIFTH HIGHEST WORK VALUE	Achievement	
LOWEST WORK VALUE	Recognition	
What Are Work Values?		

KSA Details | DWA Details | Tools & Tech | View Video | Regional Info | TX Openings

Occupation Information

TIPS

Work Values, ie: Support, Creativity, Independence, etc.

Tab 6-A Closer Look

The screenshot displays the Texas CARES website interface. At the top left is the Texas Workforce Commission logo. The main title 'Texas CARES' is prominently displayed. A 'LABOR MARKET' tab is active. The central panel shows data for occupation '51-4121.06 Welders, Cutters, and Welder Fitters'. A table lists various metrics, and a 'Where They Work' section lists industry categories. Navigation buttons are at the bottom, and a vertical 'TIPS' sidebar is on the right.

51-4121.06 Welders, Cutters, and Welder Fitters	
Texas Employment 2012	47,830
National Employment 2012	357,400
Annual Average Job Openings	2,155
Projected Employment to 2022	57,610
Percent Change 2012 to 2022	20.40% increase
Absolute Change 2012 to 2022	9,780
Hourly Wages 2013	\$19.04
Percent Females	3.5%
Percent Non-Whites	25.5%

Where They Work

- ARCHITECTURAL AND STRUCTURAL METALS MFG.
- AG., CONSTRUCTION, AND MINING MACHINERY
- EMPLOYMENT SERVICES
- UTILITY SYSTEM CONSTRUCTION
- BOILER, TANK, AND SHIPPING CONTAINER MFG.
- NONRESIDENTIAL BUILDING CONSTRUCTION
- SHIP AND BOAT BUILDING
- MOTOR VEHICLE BODY AND TRAILER MANUFACTURE
- SUPPORT ACTIVITIES FOR MINING
- COMMERCIAL MACHINERY REPAIR AND MAINTENANCE
- OTHER GENERAL PURPOSE MACHINERY MANUFACTURE
- BUILDING FOUNDATION AND EXTERIOR

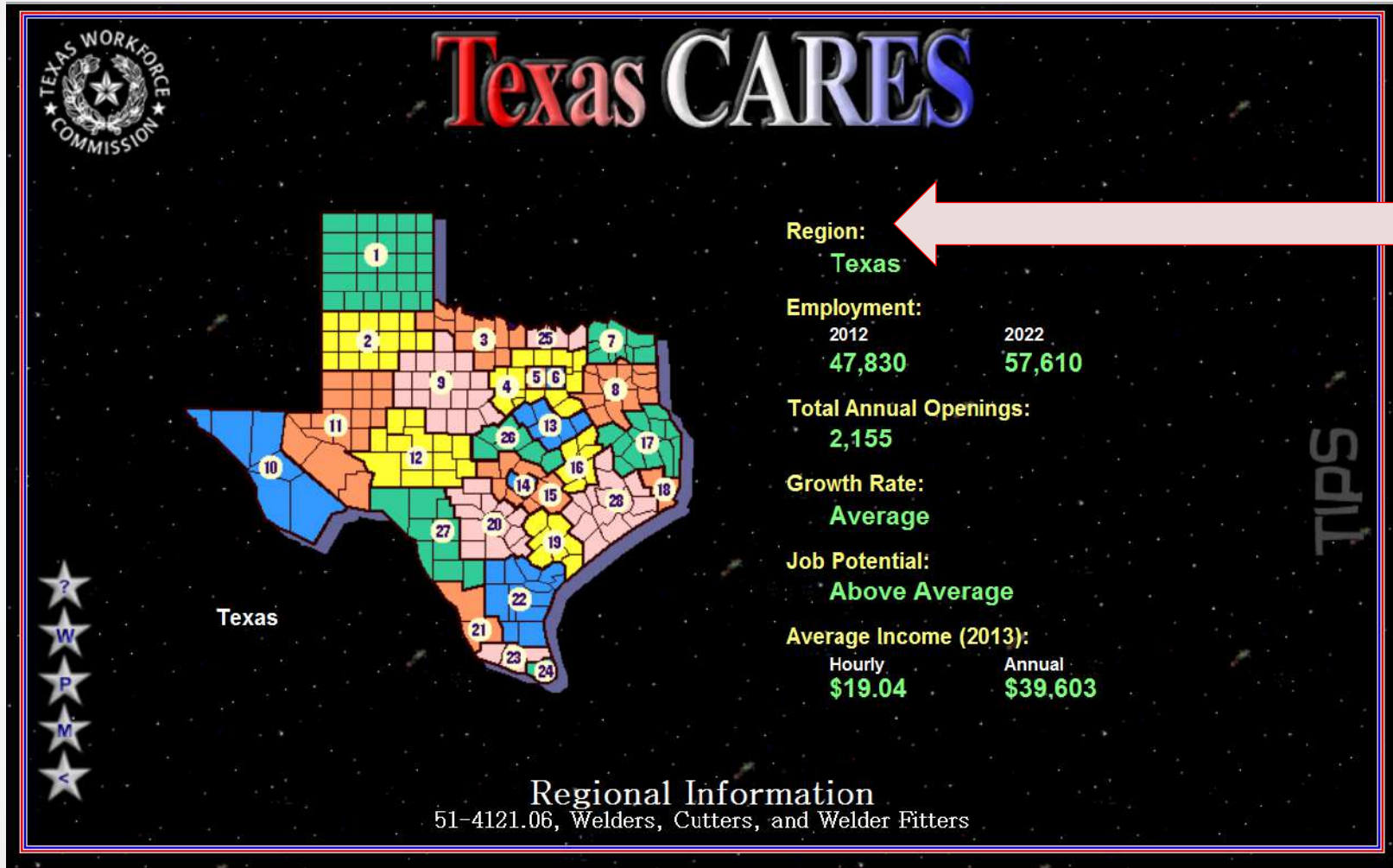
Navigation buttons: KSA Details, DWA Details, Tools & Tech, View Video, Regional Info

Vertical sidebar: TIPS

Bottom text: Occupation Information

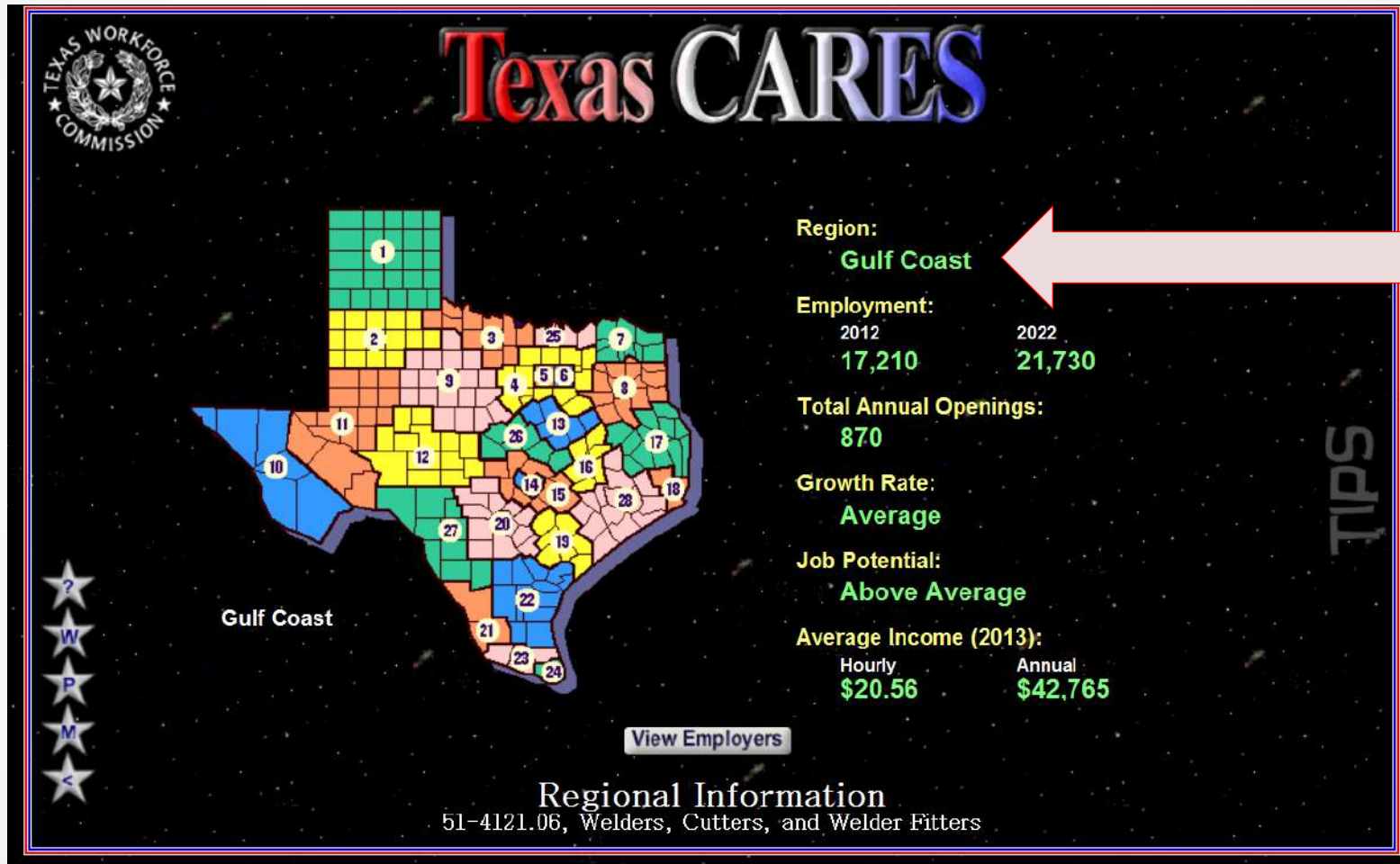
A lot of Labor Market Data, ie: Wages, Openings, Turnover, etc.

Don't Forget Regional Info



Ensure the information students collect is relevant to them

Want to Weld in the Gulf Coast?



The data will change

You Have Many Options

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Explore as much as you want/need!

How to Use this Information

- Help students research/explore career options.
- Career Counseling/Advising.
- Connecting career interests to college/ post-secondary training options.
- Use the tool as part of your career exploration curriculum.



All Training Sessions are:

- Live demos.
- Conducted in real-time, not screen shots.
- Open for Q&A's during and after all trainings.
- Have sizable participation potential.
- Are FREE



How to Get a Tutorial

- Determine needs and participation.
- Contact us.
- Log in.

IT'S REALLY THAT EASY

Our Other Presentations/ Trainings

- **Our Audiences:**
 - Students
 - Parents
 - Teachers
 - Counselors
 - CTE Staff and Administrators

How We Deliver Information

- **Our Presentation Styles:**
 - Classroom
 - Assemblies
 - Gym
 - Auditorium
 - Cafeteria
 - In-Service
 - Conference breakouts
 - Career Fair/Career Day

Presentation Topics by Audience

For students and parents:

- Career exploration
- Labor market data and statistics
- Workforce realities
- What employers want
- College selection process
 - Employability skills
 - How to find a job, get a job, and keep a job
 - HB 5 endorsement options and career connections
 - Showcase of resources (and how to use them)

More Audience Topics

- **For teachers, counselors, CTE Staff & Admin:**
 - Showcase of resources (and how to use them)
 - Labor market data and statistics
 - Practical application of data
 - How to use data for program development
 - Talking to students about workforce realities
 - Teaching employability skills
 - Career exploration with students
 - HB5 endorsement options and career/education connections

Modifications

- **All presentations can be altered to:**
 - Combine more than one topic
 - Present to multiple classes
 - Present to a mixed audience
 - Present during or after regular school hours
 - Presentation format and/or collaborative exercises
 - Narrow topics to region
 - Hands-on training/ resource demos
 - Co-present with partners

Sounds Appealing?

- Contact us
- Several weeks ahead
- Travel approval required

WE NEED TO KNOW

- Date and time
- Location
- Description of intended audience
- Approximate number in attendance
- Your ISD/ ESC Region #

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Want to be notified?

- To be added to our mailing list:
 - Email careerinformation@twc.state.tx.us
 - Call our hotline 1-800-822-PLAN (7526)
- You will get notifications regarding:
 - Publication releases/updates
 - Software releases/updates
 - Webinar announcements
 - Newsletter announcements
- To receive TWC legislative updates
 - Scan the QR code on the right
-



Want the Archived Webinars?

- Follow this link:
www.lmci.state.tx.us/counselors/presentations/presentations.asp
- Or go to the *Counselor/Teacher* section of the LMCI website at www.lmci.state.tx.us
 - First resource link on the left

Webinar Update Information

- Summer Hiatus
- HWOL (Help Wanted On Line) tutorial video
- Webinar topic ideas
-

Contact information

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What questions do you have?

Thank You

Have a great day!

