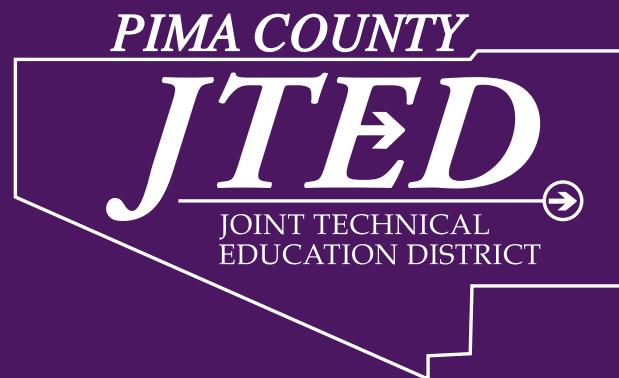


Let's put Arizona to work



Moving Students to Careers & College

Economic Development 101:
Student Success for Economic Stability and Growth

Let's put Arizona to work

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Our Mission:

We deliver premier career and technical education in partnership with business, industry and community stakeholders.

What We Do:

"To think I went from a high school dropout to being a licensed cosmetologist working at a barber shop, going to school for law enforcement, and taking classes at Pima. My life has turned around for the best." - Raul Francisco Perez

Pima County Joint Technical Education District #11
Governing Board

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Chair

Alex Jácome
Clerk

Mary Jondrow, Ph.D.

Wayne Peate, M.D.

Bob Schlanger

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Assistant Superintendent/Chief Operations Officer

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Assistant Superintendent/Chief Academic Officer

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Director of Public Relations

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Executive Summary

The Pima County Joint Technical Education District (JTED) is a public school district, approved by voters in 2006, that provides tuition-free Career and Technical Education courses to 13,462 students, who are enrolled in more than 25 programs - from AgriScience to Welding – at 35 high schools and nine central campus locations.

The District's reach spans more than 10,000 square miles of Pima County and includes the Santa Cruz Valley Unified School District in Rio Rico, and the Mammoth/San Manuel Unified School District. JTED serves all high school age sophomores, juniors, and seniors, and students who have not earned a high school diploma, including GED earners, who are under the age of 22, and reside in one of the 13 JTED member school districts.

"Joint" refers to the fact that JTED works with its 13 member districts to improve existing CTE programs, and to build new programs in a cost efficient manner. As one of 15 JTEDs operating in Arizona, Pima County JTED receives the majority of its funding, approximately \$10.1 million, from State equalization assistance, and nearly \$4 million from local property tax revenue. The District's operating budget for 2013 was \$16.6 million.

In 2011, JTED lost half of its funding (approximately \$14 million) when \$29 million was cut statewide as the Senate and House voted to permanently stop funding for ninth graders enrolled in Joint Technical Education Districts. The inability to serve students during their first year of high school has contributed to declining CTE enrollments despite the fact that JTED CTE programs are proven to be one of the most effective models of education that delivers workforce ready students.

JTED enables schools to work smarter, share resources, and take advantage of economies of scale.

The District also works with business and industry to ensure that all students have the opportunity to move to careers and college.

You may remember the term "Vocational Ed" from years ago. Now the term "Career and Technical Education" describes the high level of skills that prepares students for post-secondary education and to enter the workforce.

Research published in the Harvard University Pathways to Prosperity report, and findings from the ASU Morrison Institute for Public Policy report 21st Century Career and Technical Education Pathways on the Rise show that students who participate in high-quality CTE programs featuring a strong element of core academic content and career education have:

- Better learning outcomes
- Higher academic achievement
- Greater persistence in postsecondary education

"High-quality Career and Technical Education (CTE) will help ensure that Arizona's economy will reap the benefits from achieving a best-in-the-class educational system that serves the needs of all of Arizona's students and employers," says Richard Condit, Chief Administrative Officer at Sundt Construction, quoted in the Arizona State University Morrison Institute Report 21st Century Career and Technical Education Pathways on the Rise.

JTED Works for Students



Since JTED's formation in 2007, the District has helped more than 110,000 students start their journey into the workforce with the specific skills necessary to secure a job, and the skills they will need to succeed in post-secondary education. JTED has done this by providing a combination of the right tools, the right instructors, and the right programs right where students live.

The majority of JTED students take their academic classes at their own schools, and attend CTE/JTED classes within their own school district. If CTE courses aren't available in a district, students can attend satellite locations in nearby school districts, or attend a program at one of JTED's nine Central Campuses. Students are also able to take some courses online.

- JTED courses are open to public, charter, private, home-school, and non-attending students under 22 years of age.
- Students can earn dual Pima Community College or University of Arizona credit in select programs.
- JTED offers students more choices to explore careers.

Signing up is easy. Students should visit their school counselor, or call (520) 352-JTED for more information.

JTED Works for Taxpayers

The Pima County JTED, by State law, must maintain a comprehensive oversight of its central campus and satellite programs. The satellite CTE/JTED programs are those offered by the member districts in their high schools. Ross Sheard, who directs the District's Program Review teams, says the goal is to ensure that all JTED students receive a premier educational experience, and that taxpayer dollars used for CTE/JTED equipment and supplies are being used prudently.

This requires a huge number of staff hours, from driving from school to school, to developing review schedules, to observing every class for an entire class period, to writing the comprehensive reviews, and then conducting "exit interviews" with administrators and the JTED Superintendent at each high school campus.

The reviews do not require funds to purchase equipment, upgrade facilities, etc., but there are obviously costs for the salaries of the review team members.

In some instances, the recommendations from the teams could cost the member high school funds to bring their programs up to premier status. These funds could come from district funds, or could be taken from the JTED allocation to that particular district. In a few cases, the recommendations from the visiting review teams have resulted in program closures, because they were not considered premier programs.

"We now send 70 percent of high-school graduates to college, up from 40 percent in 1970. At the same time, employers are accelerating their offshoring, part-timing, and temping of as many white-collar jobs as possible. That results in ever more unemployed and underemployed B.A.'s. Meanwhile, there's a shortage of tradespeople to take the Obama infrastructure-rebuilding jobs. And you and I have a hard time getting a reliable plumber even if we're willing to pay \$80 an hour—more than many professors make," says Marty Nemko, Career Counselor based in Oakland, Calif., in the Chronicle of Higher Education article Are We Sending Too Many Students to College?

JTED Works for Teachers

JTED's Curriculum Writing Project has grown from a few teachers spending their summers writing math and automotive lesson plans integrating Career and Technical Education with AIMS standards, to a new statewide consortium.

Having proven lesson plans that can be quickly downloaded by substitute teachers, as well as new and experienced teachers, has instructors, superintendents, Arizona Department of Education officials, and the governor's office working together.

Lesson plans are being developed for all CTE programs which are aligned to Arizona's College and Career Ready standards and can be accessed on a Wiki. In addition, Gov. Jan Brewer's staff is working to secure needed funding for the program's advancement.

"JTED and CTE programs benefit the students, their families, and the state's economy by providing relevance, skills, and strong connections to the employers in our state," says Rebecca Gau, the Governor's Office of Education Innovation director. The consortium also added staff to help move the project along.

"We have taken what was an excellent Pima JTED Curriculum Writing Project and expanded it into a statewide initiative where 92 percent of Arizona school districts are using the curriculum for their CTE programs," explains Lisa Doll, the new AZ CTE Curriculum Consortium director.

Lisa Cox, CTE health occupations teacher at Queen Creek High School says, "The lessons are written so any teacher, or even a substitute, could walk into a classroom and have a guide for the day."

JTED Works for Business & Industry

A skilled workforce is critical to Arizona's economic health. With this in mind, the Arizona State Legislature passed a law in 1990 allowing two or more school districts to form a Joint Technological Education District to improve Career and Technical Education offerings and serve all students more cost-efficiently.

Pima County's JTED, the 13th district of its kind created in Arizona, receives revenue from two primary sources: A five cent per \$100 assessed secondary property tax (about \$10 per year for a home valued at \$200,000); and state funding earmarked for the JTED districts.

Each of the 11 school districts in Pima County, Rio Rico, and San Manuel participates in JTED through an intergovernmental agreement. These agreements allow Pima County to enhance existing CTE programs and offer students new programs in high schools and at JTED central locations by funding:

- Facilities, equipment and supplies
- Certified CTE instructors and counselors
- CTE staff and curriculum development
- Participation in Career & Technical Student Organizations

In 2006, the State Legislature changed the statutes governing JTEDs. In addition to implementing annual reporting requirements, the statutes require all courses offered by a JTED to be approved by the Career and Technical Education Division (CTE) of the Arizona Department of Education. The Pima County JTED also collaborates with business and industry to offer students:

- Internships, job shadowing and work experience
- Relevant training for industry certifications
- Preparation for post-secondary education

"Employers place more weight on experience, particularly internships and employment during school vs. academic credentials including GPA and college major when evaluating a recent graduate for employment. All industries and hiring levels place slightly more weight on student work or internship experiences than on academic credentials," According to the article in the Chronicle of Higher Education A College Degree Sorts Job Applicants, but Employers Wish it Meant More.

Arizona's Future Short-Changed: The Consequences of a Decline in Career and Technical Education

Data from the Harvard Pathways to Prosperity report and the Arizona State University Morrison Institute's On the Rise report validate what Career and Technical Education professionals have known and experienced: CTE helps with student retention, academic performance in both high school and post-secondary education, and students achieving economic independence.

In light of JTED's proven success, Arizonans should be deeply concerned that increased graduation requirements, which do not have a proven benefit, and funding reductions are threatening our students' opportunities to become workforce ready.

The State Legislature's permanent elimination of ninth grade funding for JTED students in 2011 is troubling on a few fronts, and has our Joint Technical Education Districts facing an uncertain future, despite the fact that JTEDs are one of the most effective models for delivering education today.

Losing from the start

While students may not drop out until their sophomore, junior or senior year, the vast majority of them make the decision school is not for them during their freshman year. Ninth grade is a pivotal make-or-break year for students. Restoring funding to allow students to engage in JTED's hands-on, relevant programs is essential if we wish to lower our dropout rate, and create tax payers instead of tax takers. The research cited here shows that Arizona's graduation rate averages around 76 percent, while students who complete JTED/CTE programs have a graduation rate averaging around 98 percent.

According to a study by Civic Enterprises for the Bill and Melinda Gates Foundation, "81 percent of dropouts say relevant, real-world learning opportunities would have kept them in high school."

Students and voters denied

The Pima County JTED prepared and braced itself for steep cuts during Arizona's financial crisis in 2011, but what caught everyone by surprise was the Legislature's decision to permanently cut off access to JTED's programs for a specified grade level. When Pima County voters

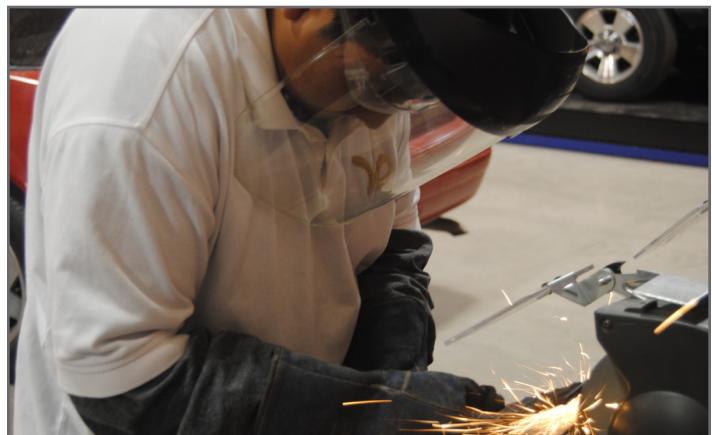
overwhelmingly approved the Pima County JTED in 2006, they voted for the district's programs to serve all high school students. At a time when students need it, voters demand it, and legislators support it, CTE faces an uncertain future. It is truly a case of unintended negative consequences as fewer students participating in CTE programs will likely increase dropout rates and a decline in the academic performance of those students who are finding relevancy for core academic content in their CTE courses. The negative impact of not completing high school and for those who do not have the skills for career success is well documented.

The report Pathways to Boosting the Earnings of Low Income Students by Increasing Their Educational Attainment states, "A person with a CTE-related associate degree or credential will earn on average between \$4,000 and \$19,000 more a year than a person with a humanities degree." And Harvard's study says, "27 percent of people with less than an associate degree, including licenses and certificates, earn more than the average bachelor degree recipient."

JTED's Automotive Technologies is just one example of a non-four-year-college pathway that can lead to a well-paid career. The problem is it's a four-year high school program now being denied to freshman.

Unintended consequences

Statewide enrollment in CTE is in steady decline. This year JTEDs statewide will lose 1.5 million in state funding due to declining enrollment. Federal funding for the coming year will decline by 5.9 million dollars. This 7.4 million dollar loss to CTE programs statewide will result in more cuts and more loss of funding next year if this continues without intervention. Because school finance is based on



the previous year, less money next year means even more CTE teachers will lose their contract or be offered partial contracts. With fewer JTED teachers and course offerings, there will be fewer students in CTE, resulting in additional funding losses the following year – and the cycle continues.

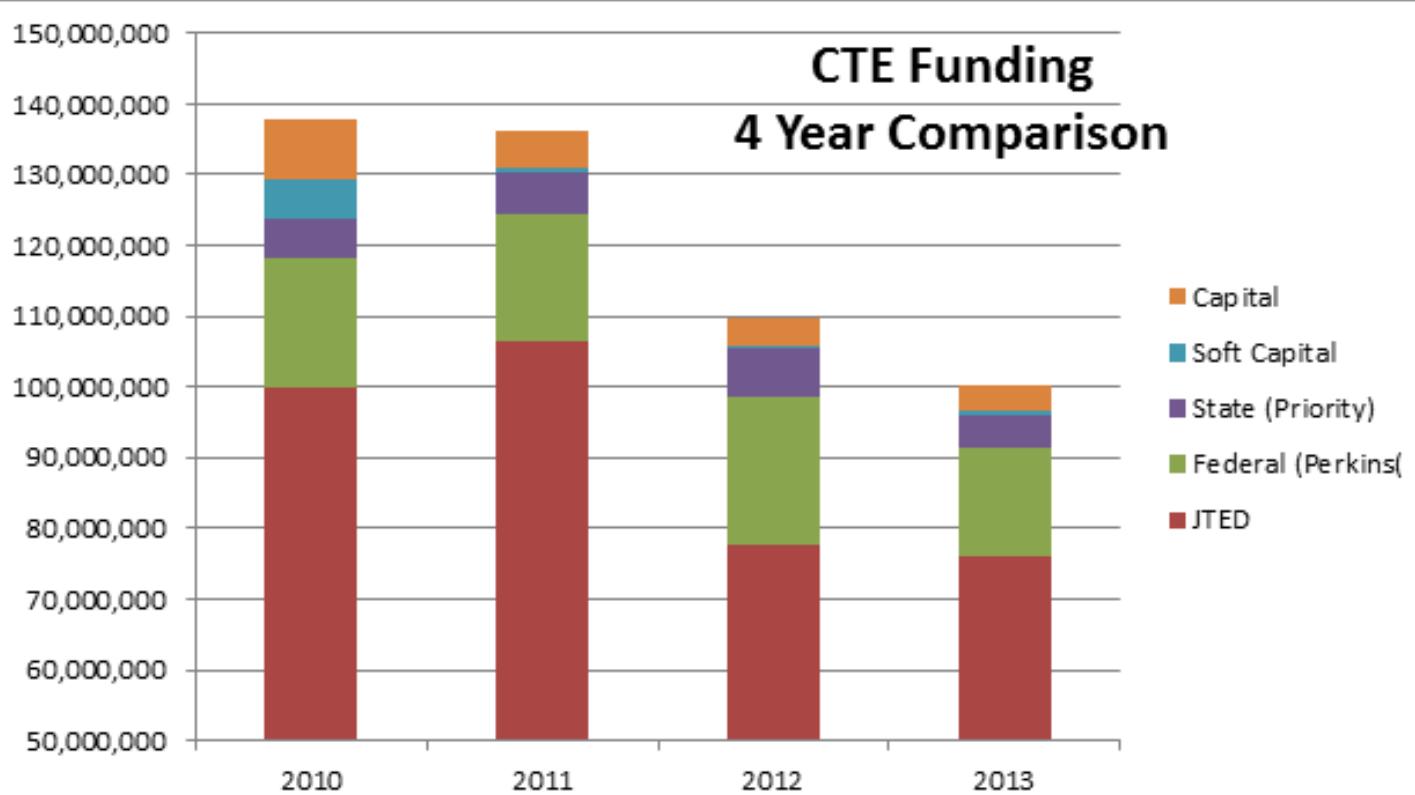
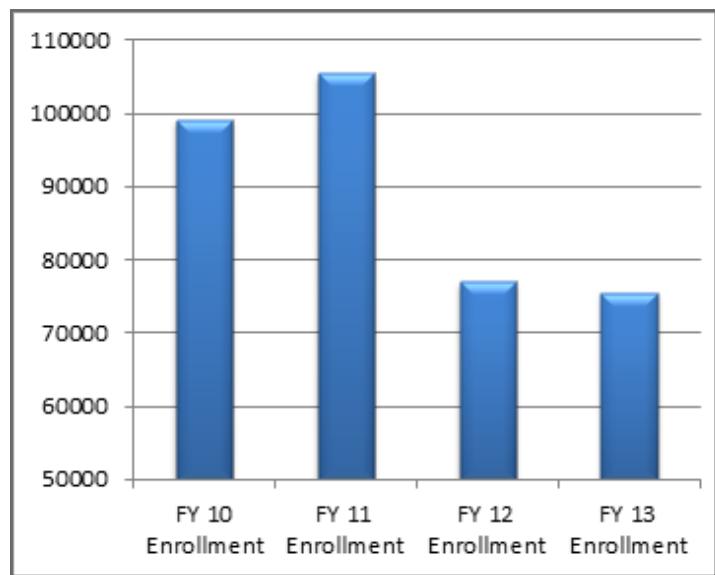
What is not reflected in the scenario described or the charts below is that JTEDs have lost 1.5 million in funding each of the last three years because the 2% inflation factor was not funded. JTED's are being funded at 91% which is a loss of approximately 7.5 million dollars per year.

With the alarming decline shown on the charts below and the very real scenario described above, it is hard to envision reversing this negative trend without immediate intervention in the form of additional resources that will short circuit the enrollment decline in CTE. This will not right itself.

There is an opportunity to restore some of the lost funding in this legislative session through budget negotiations currently underway. Please immediately share this with our friends in the legislature who are advocating for full or partial restoration of funding and need to hear from you.

What is needed over the coming year is a conscious effort by key partners statewide to develop and implement a plan to reverse this negative trend and ensure that every student in the state has the opportunity to benefit from a premier CTE experience. Let's put Arizona to work!

According to a study by Civic Enterprises for the Bill and Melinda Gates Foundation, “81 percent of dropouts say relevant, real-world learning opportunities would have kept them in high school.”



2. Business & Industry Advisory

[General Information](#)

[Advisories and Membership List](#)

[CTE and 21st Century Occupations](#)



3. Quick Facts

[JTED is Economic Development 101](#)

[Bullet Points \(Prepared for Arizona Daily Star\)](#)

[CTE Works](#)

[CTE Today Fact Sheet](#)

4. Editorials & JTED in the News

[Technical Details: There's a push to restore funding...](#)

[JTED looks to build stronger ties with employers](#)

[Guest Column: Arizona must restore funding to successful, popular JTED program](#)

[JTED is helpful resource for students](#)

[JTED's Early Childhood Center wins five-star rating](#)

[Time to stop moping about Tucson economy](#)

[8 Pima County teens take culinary honors](#)

[Marana schools promote careers](#)

[Refugee from war-torn Somalia has ultimate goal of being doctor](#)

[Tanque Verde senior takes 1st place in veterinary competition](#)

[Mountain View student looks at future in business, beauty](#)

[Santa Rita JTED sophomore's wiring skills takes her to national competition](#)

[Girls take the lead in Sahuarita High construction program](#)

5. *The Calling* Annual Reports 2008-2013

[2013 Annual Report](#)

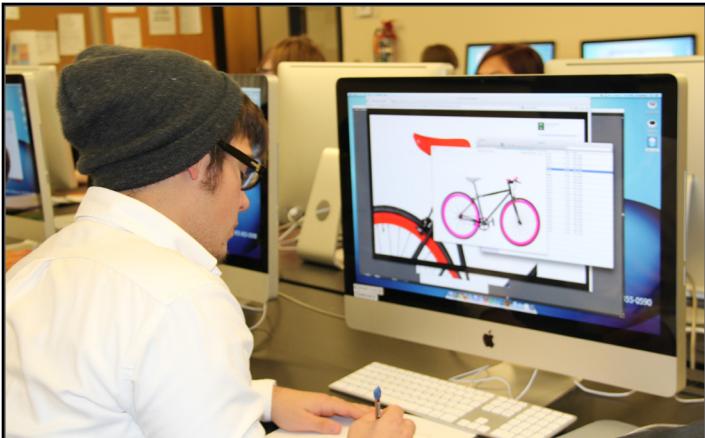
[2010 Annual Report](#)

[2012 Annual Report](#)

[2009 Annual Report](#)

[2011 Annual Report](#)

[2008 Annual Report](#)



Central Campuses

JTED @ Master Pieces
2855 W. Master Pieces Drive

JTED @ Camino Seco
8727 E. 22nd Street

JTED @ Baboquivari
Federal Route 19, Topawa, AZ

JTED @ Empire
10701 E. Mary Ann Cleveland Way

JTED @ Flowing Wells
3725 N. Flowing Wells Road

JTED @ Mountain View
3901 W. Linda Vista Blvd.

JTED @ Project SEARCH
The University of Arizona/UAMC South Campus

JTED @ Santa Rita
3951 S. Pantano Road

JTED @ Tanque Verde
4201 N. Melpomene Way

*Serving all students who reside
in the following school districts:*

Ajo

Amphitheater

Baboquivari

Catalina Foothills

Flowing Wells

Mammoth-San Manuel

Marana

Sahuarita

Santa Cruz Valley

Sunnyside

Tanque Verde

Tucson

Vail



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