

# The Calling

The Pima County Joint Technological Education District

2009 ANNUAL REPORT



PIMA COUNTY  
**JTED**  
JOINT TECHNOLOGICAL  
EDUCATION DISTRICT

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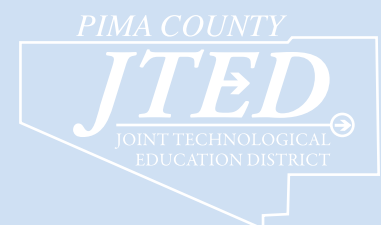
## The Cover

Sabino High School graduate, John McCaffrey III, gains experience in the JTED Fire Science program battling a vehicle fire at the Tucson Public Safety Academy.

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

The Pima County Joint Technological Education District #11 publishes *The Calling* annually in August. News reporters are welcome to quote from this publication and are asked to provide credit. Correspondence or inquiries should be addressed to: Pima County JTED, Office of Public Relations, 2855 W. Master Pieces Drive, Tucson, AZ 85741. All contents © 2009 Pima County JTED.

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Dear Pima County Resident:

When young people discover what they want to do in life, it's a magical moment often accompanied by feelings of exhilaration, confidence and relief, both for the student and the parents. Thanks to you, as we now look back on Pima County JTED's second year of operation, we can see clearly that we have helped thousands of students throughout Pima County explore and embark on their careers. I must admit, this gives us an exhilarating feeling too.

You, Pima County tax payers, saw the need to help students, and in the past two years the secondary property tax of those of you living in our 11 member school districts raised \$8 million in revenues to the State. More importantly, the funding for Pima County students enrolled in JTED Career and Technical Education (CTE) classes in the form of State Aid and Equalization has been almost \$40 million during this period. From July 1, 2007 to June 30, 2009 we've seen a jump from 12,000 to almost 18,000 students enrolled in CTE courses.

I'd like you to see how this translates directly to people like you, or to people you know, by sharing a letter from one of our parents who has a son enrolled at Cienega High School, but is able to take JTED engineering courses at Vail High School.

“

Tonight my family and I went to the introduction night of the new zero-hour engineering class at Vail High School. We were told that JTED was responsible for this class. I am so thankful!

My son has wanted to work for NASA since kindergarten. He's now a sophomore and has narrowed his interest to robotic engineering. This class is a God send. He will be able to explore all areas of engineering and make an informed decision on his future career. I've never seen my son so excited to get up an hour earlier for school. Thank you again for the funding for this incredible class.

”

Sincerely, Debbie Fitzpatrick

We've chosen the name, *The Calling*, for our Annual Report because one of the most noble and important things we are honored and privileged to accomplish is to help students find and respond to their calling in life.

In the following pages, you'll learn more about how we've significantly improved the level of instruction in CTE courses throughout Pima County by investing in new and improved facilities, staff development, innovative curriculum programs, and Career and Technical Student Organizations. This past year we enjoyed remarkable success with our Certified Nurse Assistant, Fire Science and Cosmetology programs at our Central Campus locations, and we have many new exciting programs for students as we start our third year.

On behalf of our students and staff, thank you for answering the call to help students.

Sincerely,

Alan L. Storm, Ph.D.  
Superintendent/CEO



John, who is 18, is working on his EMT certification at Pima Community College, and plans to earn an associate's degree before joining a fire station. He earned 20.5 credits toward his degree in his Fire Science class, which means that by the end of this summer, he'll be halfway through the program. During the class, John and his classmates also earned their Wildland and Hazmat certifications. "I see guys who are trying out for the Drexel Heights Fire Department and they are in their early 20s, I know I'm very far ahead in pursuing my career," he says.

This past May, John delivered an insightful and moving speech to his classmates, friends, and family who gathered for the JTED Central Campus Program Completion Ceremony. Below are excerpts from his speech:

"While we want to be there for others, we have to have family and friends supporting us as well. We come in on what very well could be the worst day of a person's life. Without the support of the people we love, our perspective on life can become very twisted. That is the part that makes all of you who came here tonight my heroes."

"At a fire station, you cannot keep to yourself. You become part of a new family. You have to be able to rely on your family and them on you. Part of being a family is the knowledge that you can trust them with your life. Say you get lost in a burning building. While hopefully no one is ever in such a position, I can only imagine the comfort that would come from trusting your team to come save you. In this academy, I have no doubt that I would be safe in such a position. I know that my friends would be willing to help me when I need it, which they already have done on occasion. I know that every one of these great people will make a difference in many lives."

"Be proud of who you are and what you do. Try making the best outcome of a situation, no matter how bleak it may seem. Someone's brother or sister, son or daughter, mother or father, may depend on what you do."

John says the best part of the class was when he and his classmates emerged from the burn room, a simulated office environment heated to approximately 700 degrees with smoke and zero visibility, at the Tucson Fire Department's Training Academy.

"Even though we were all exhausted, that feeling of accomplishment was just amazing," he says. "I'm a normal guy just like everybody else. I was just given a great opportunity and was able to take advantage of it."

## Fire Science course helps students respond quickly to career calling

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You can count on John McCaffrey III to save your life.

The 2009 Sabino High School graduate enrolled in the Pima County JTED Fire Science class last fall to make his lifelong dream of becoming a firefighter come true early. "My JTED Fire Science class gave us more hands-on experiences than I expected. I went in not knowing what to expect, and came out having actually gone into a fire," he says.



# The young and the well-qualified

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Desiree Ziegler expected to hear about anatomy and physiology classes when she told her Ironwood Ridge High School counselor that she was interested in becoming a nurse. She had no idea she would be able to begin her career with the Pima County JTED's Certified Nursing Assistant program. The 2009 graduate, who works as a Certified Caregiver at a local assisted living facility, says, "I was really surprised, and the people that I work with were shocked that they offer this program in high school."

At JTED's Central Campus program completion ceremony in May, Desiree addressed her fellow classmates, "I met some of my closest friends through JTED. This class wasn't just about the friends we made, but something else that JTED gave us - a foot in the door to the beginning of our career. For that, we thank all the people who made this possible, everyone at JTED, the community, our family, and friends."

Despite her young age, after two weeks on the job Desiree was given higher levels of responsibility, such as being in charge of the medications cart. She attributes her confidence and level of skill to her JTED instructors. "My coworkers are shocked that I'm only 18, at how much I know, and how much I can do," she says. Desiree wasn't sure she wanted to work in an assisted living facility, but says now that she's given it a try, she really enjoys working with her fellow staff members and the residents.

Desiree is enrolled at Pima Community College and will take prerequisite courses to become a registered nurse this fall.

"Everyone tells me, 'wow, you're 18 and you already have a plan, you're already doing something to contribute to what you want to become. You know a lot of people don't have that.'"



*“ I met some of my closest friends through JTED. This class wasn't just about the friends we made, but something else that JTED gave us - a foot in the door to the beginning of our career. ”*

*Desiree Ziegler  
2009 graduate of the JTED  
Certified Nursing Assistant Program*

# The elements of great teaching

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The 2008 Arizona BioIndustry Association (AZBio) awards were held last September, and two exceptional JTED teachers were nominated for 2008 Bioscience Educator of the Year Award. One of those teachers, Margaret Wilch, was honored with the award.

Margaret, who has taught at Tucson High for 13 years, teaches Honors Research Methods, Advanced Placement Environmental Science and two JTED biotechnology classes. Her classroom is a laboratory full of state-of-the-art equipment. Her lesson plans are based on the latest Nobel Prize winning research in chemistry, and her students are gaining hands-on experience which will enable them to work in university research labs as undergraduates.

Margaret has formed collaborations with scientists from the University of Arizona's College of Science and Bio5 Institute. Those scientists were the ones who nominated her for the award, citing her work to establish the Biotechnology Laboratory for Arizona Students and Teachers (BLAST).

"This is the most hands-on science class I've ever had," says Brennan Robinson, a senior in one of Margaret's JTED Biotechnology classes. "Ms. Wilch tells us why people are studying things and explains the contemporary implications of the research. She makes it fascinating."

Andrew Lettes, who earned his Ph.D. in pharmacology from UCLA, was also nominated for the AZBio award. He volunteered to help with a science project in his son's fourth-grade class about 15 years ago. The class was dissecting cow eyes, and his son's female science partner wanted nothing to do with it. Andrew recalls encouraging her and showing her how interesting the project was. By the end of

the class, the girl was so proud of her accomplishments and so enthusiastic about what she had learned, that she slipped a part of the eye around her finger like a ring and showed it to her classmates. It was a pivotal moment in Andrew's life.

"Working in a research lab you have your highs and lows, but there's not a whole lot going on in-between," he says. At 39 years-of-age, he left his job and became a teacher.

Now Andrew works to create pivotal moments in the lives of students who enroll in his biotechnology and advanced biotechnology classes at Pueblo Magnet High School. "When my students do their first DNA fingerprint they are just beaming," he says.

With Career and Technical Education (CTE) funding from JTED, both Margaret and Andrew now have the vital equipment needed, and the time to set up and maintain it. "Students can truly do original molecular research here - it's a fully equipped molecular research lab with a flow hood to do microbiology and water baths and shakers to keep cultures alive and well," says Margaret.

Andrew has received micro pipettes, pH meters and spectrophotometers through JTED funding, and says, "Many of our students are scared and hesitant about leaving the comforts of the classroom and venturing out into the business world, but when they see they have the same equipment, and they realize they are trained and comfortable and have successes with that equipment, it allows them to make that jump."

*"Ms. Wilch tells us why people are studying things and explains the contemporary implications of the research. She makes it fascinating."*

*Brennan Robinson  
Senior in Ms. Wilch's Biotechnology class*



# Industry-relevant curriculum to go full throttle

A new automotive curriculum driven by the latest technology will help automotive students in Pima County stay ahead of the curve as they merge into the job market. The instructor driving the change to use the CDX automotive training system countywide, David Damiani, knows how to make his course material relevant to the needs of industry. David spent 30 years as a master technician, Ford service manager, and the owner and manager of independent shops before he became an automotive teacher at Mountain View High School three years ago.

"I'm not a big technology guy," admits David. "But in industry, you use computers for invoicing, looking up materials, and almost all of the manufacturers require their certified technicians to take classes and tests on computers as a prerequisite to hands-on training." So when he was able to secure his first JTED allocation to enhance his program, David chose to purchase 30 new computers. "I knew I wanted to teach automotive technology using computers, and I knew we'd need to have the hardware to run a state-of-the-art software program such as CDX.

CDX presents material in an interactive format. Students read, have access to 800 videos, and when they click on components they instantly learn if they have the right answer or if they've made a mistake and broken something. David says that he and a group of automotive teachers from throughout Pima County, assessed five different curriculum programs. They selected CDX for the quality of its video instruction, and the ease of tracking assessments and state standards. "It was designed as an electronic curriculum; it wasn't someone taking a textbook and putting it on a computer," says David.

David's students are considered digital natives, they've never known a world without computers and the internet. So, it's not surprising that he hears many students say how much they prefer using computers over textbooks. The CDX program also presents advantages for students who have learning disabilities. "Students who need extra help can log into the program from any computer, and the material is presented in such a manner that other teachers can



help students comprehend the material. The videos also cover the material on the tests," says David.

When asked why he left a lucrative career to teach, David says, "The automotive industry has supported me well for 30 years, and now I'm giving something back. I have a passion for the industry, and it's changing direction, it's becoming very technical, and many kids are not prepared for it. Fortunately, JTED has the ability to bring in technology at a higher level, and that's not only going to benefit the students, but the industry as well."

Marana Unified School District Career and Technical Education Director Cathie Raymond says, "Being a new teacher coming from business and industry can be overwhelming. David has found success through building relationships with students and their parents, and striving to constantly improve his curriculum. As a result, his classes are in high demand."

David's talent and passion for teaching have not gone unnoticed. The Association for Career and Technical Education of Arizona named him the 2009 Career and Technical Education New Teacher of the Year.

*Editor's Note: JTED helps teachers from industry, like David, earn their full State CTE certification through its professional development and tuition reimbursement programs. CTE teachers and prospective CTE teachers in Pima County may call (520) 352-5833 for more information.*

# Location Key:

★ = central campus

■ = satellite location  
with improvements

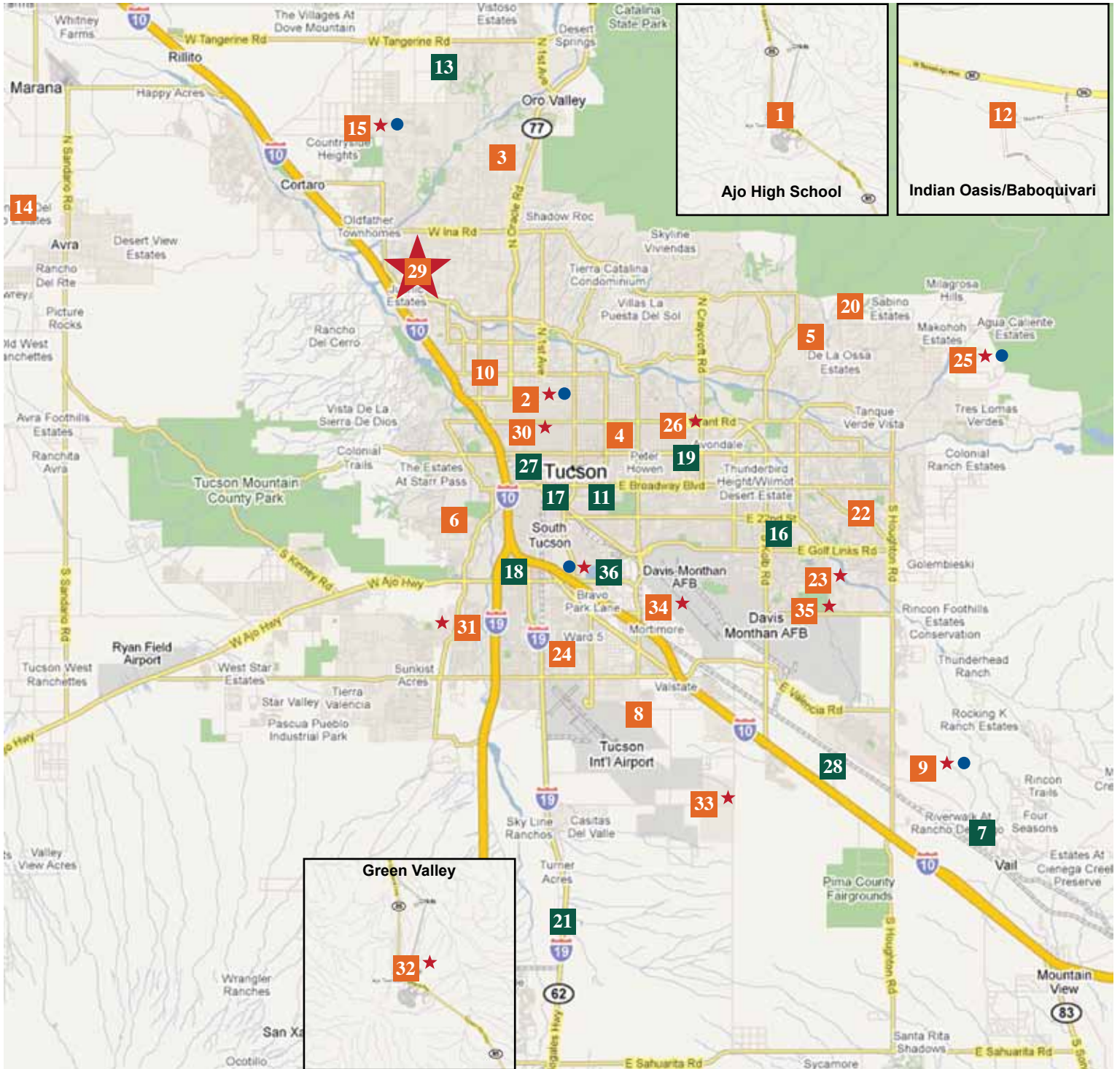
■ = satellite location  
with no improvements

● = coming soon

- 1 **Ajo High School**  
culinary arts kitchen
- ★ 2 **Amphitheater High School**  
land lab, greenhouse  
**Amphitheater High School  
Central Campus**  
to be determined (fall 2010) ●
- 3 **Canyon Del Oro High School**  
culinary arts kitchen
- 4 **Catalina High School**  
HVAC facility, greenhouse
- 5 **Catalina Foothills High School**  
video production studios
- 6 **Cholla High School**  
career center
- 7 **Cienega High School**
- 8 **Desert View High School**  
career center
- ★ 9 **Empire High School**  
allied health quad (fall 2010) ●
- 10 **Flowing Wells High School**  
photography renovation
- 11 **Howenstine High School**
- 12 **Indian Oasis/Baboquivari**  
auto
- 13 **Ironwood Ridge**
- 14 **Marana High School**  
culinary arts kitchen
- ★ 15 **Mountain View High School**  
auto lab  
**Mountain View High School  
Central Campus**  
early childhood education,  
culinary arts (fall 2009) ●
- 16 **Palo Verde High School**
- 17 **Project MORE**
- 18 **Pueblo High School**
- 19 **Rincon/University High School**
- 20 **Sabino High School**  
agricultural science animal
- 21 **Sahuarita High School**
- 22 **Sahuaro High School**  
culinary arts kitchen
- ★ 23 **Santa Rita High School**  
**central evening classes**
- 24 **Sunnyside High School**  
certified nursing assistant, agricultural science quad,  
career center
- ★ 25 **Tanque Verde High School**  
agricultural classroom, lab,  
greenhouse (fall 2009) ●
- ★ 26 **TMC-U**  
certified nursing assistant
- 27 **Tucson High School**
- 28 **Vail High School**
- ★ 29 **JTED Central Campus**  
cosmetology, fire science, law/public safety, certified nursing  
assistant, construction, on line web design
- ★ 30 **Pima Community College (downtown)**  
auto/construction technology
- ★ 31 **Pima Community College, Desert Vista**  
aviation technology center
- ★ 32 **Green Valley**  
certified nursing assistant
- ★ 33 **Public Safety Academy**  
fire science, law/public safety
- ★ 34 **TEP/Pima College**  
electrical power transmission
- ★ 35 **Pima Community College East**  
emergency medical technician,  
pharmacy technician
- ★ 36 **UPH Kino Hospital**  
Project Search (fall 2010) ●



# JSED Serves Pima County



The Pima County Joint Technological Education District purchased four new buildings this year, and has leased space at two locations on the eastside of Tucson, for new and expanded JTED Central Campus programs. "These new purchases and leases will allow us to fulfill the wishes of the taxpayers who voted in favor of enhancing and adding career and technical education (CTE) program offerings to more students," says JTED Superintendent/CEO Alan Storm, Ph.D. He notes that there has been a significant increase in applications for all JTED Central Campus programs this year, which speaks to the demand for the district's successful programs.

"Establishing Central Campus programs in strategic geographic locations is an economical way for our district to make premier CTE programs available to all students living in Pima County regardless of which school those students attend for their core classes," says Dr. Storm. Central Campus programs versus satellite programs at individual high schools allow the district to take advantage of economies of scale by consolidating resources.

#### JTED Central Learning Facility

JTED purchased two buildings adjacent to its District Office and Central Learning Facility located at 2855 West Master Pieces Drive (near River and Shannon Roads). The buildings, named JTED 2 and JTED 3, are each approximately 10,000 square feet, and both were purchased for approximately \$153 per square foot. The former owners of each building are leasing about 40 percent of each location from JTED. "This is a prudent investment for taxpayers," says Tina Norton, JTED Chief Financial Officer. "The District was able to acquire these properties while the market was down, and JTED will generate revenue until that additional space is needed by our programs."

JTED's Fire Science; Law, Public Safety and Security; Construction; Central Campus Counseling; and Staff Development programs now occupy JTED 2. JTED 3 is the new home of Cutting Class, the JTED Academy of Cosmetology. The student salon, which will serve approximately 120 juniors and seniors each year, will offer hair care, manicures and pedicures, and facials to the public beginning in the fall of 2009.

#### JTED at Mountain View

JTED has leased land from the Marana Unified School District at Mountain View High School, and purchased a 10,000 square foot modular building to be placed on the site this fall. The new building will house two classrooms, two state-of-the-art kitchens and a large dining room for beginning and advanced Culinary Arts programs. The building will also house classroom space, and the Little Lions Preschool which will be operated by the Early Childhood Education program. Little Lions will be licensed by the state, open to the public, and will accept children between the ages of three and five.

# JTED grows...

## JTED Financials to Date

### Revenue

Property Tax Revenue	\$4,440,789.28
State Equalization Assistance	\$15,088,175.68
Interest	\$20,693.98
Tuition (from non-member districts)	\$0.00
Rent	\$0.00
Fee for Service	\$3,391.10
Prop 301 Money	\$6,054.73
Misc Revenue	\$32,770.32
<b>Total Revenue</b>	<b>\$19,591,875.09</b>

### Expenditures

Allocation to Districts and PCC Tuition	\$12,906,483.49
Central Learning Facility Purchase	\$3,616,241.67
Salaries and Benefits	\$1,412,122.85
Purchased Professional Services	\$609,861.19
Technology, Furniture and Equipment	\$503,749.67
Supplies and Textbooks	\$258,504.42
Communications, Travel, Printing, Insurance	\$171,097.87
Dues and Memberships	\$45,895.56
Rent, Repairs, Cleaning	\$43,850.68
Capital Reserves	\$24,067.69
<b>Total Expense</b>	<b>\$19,591,875.09</b>

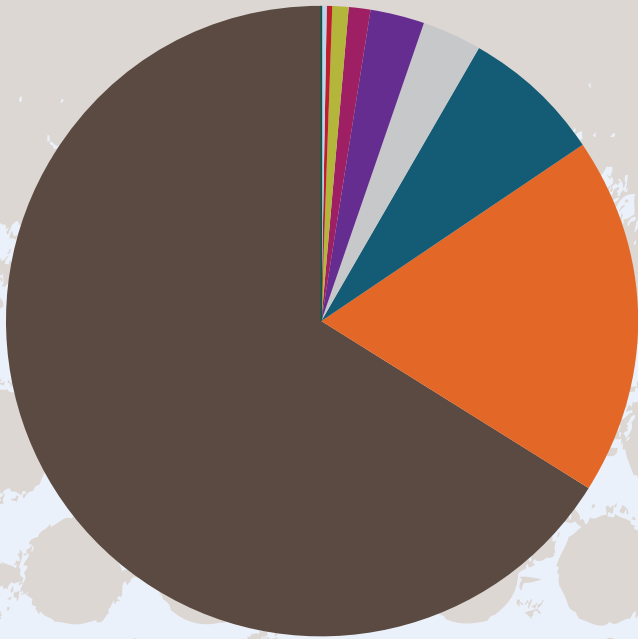
07/08 Carryover \$2,151,409.42

These figures, the most recent at publication date, represent year-to-date revenue and expenses reported as of July 14, 2009 for the fiscal year July 1, 2008 to June 30, 2009.



# to help more students succeed.

## JTED District Expenditures



- Allocation to Districts and PCC Tuition
- Central Learning Facility Purchase
- Salaries and Benefits
- Purchased Professional Services
- Technology, Furniture and Equipment
- Supplies and Textbooks
- Communications, Travel, Printing, Insurance
- Dues and Memberships
- Rent, Repairs, Cleaning
- Capital Reserves

### JTED at Tanque Verde

"JTED seized an opportunity to open up new areas of science and CTE to students living on Tucson's eastside when it leased land at the site of Tanque Verde High School," says Dr. Storm. JTED has placed an approximately 2,400 square foot modular building and green house on the site for a new Agriscience/Plant Science program. The modular building features a classroom and laboratory. "We've hired an instructor who is very involved with FFA, so this program promises to provide students with tremendous leadership experiences," says Dr. Storm.

### JTED at Santa Rita

This fall students will be able to take courses in Automotive; Construction; Culinary Arts; Fire Science; Law, Public Safety and Security; and Welding during the afternoon and evenings at JTED's Central Campus at Santa Rita High School. "Our ability to lease space from Tucson Unified School District will afford us time to gauge the interest in these programs and determine if we need to establish a permanent facility on the Southeast side of Tucson," says Dr. Storm. JTED is leasing approximately 17,000 square feet of space, which is already built and equipped to facilitate the programs being offered.

### JTED at TMC-U

JTED has leased classroom space, a computer lab and a fully-equipped clinical laboratory from Tucson Medical Center so that the district may continue to offer its Certified Nurse Assistant program to students on the eastside of Tucson. The location, near Grant and Craycroft Roads, will accommodate two sections of approximately 25 students each, with classes offered in the early and late afternoon. The program prepares students to earn their Certified Nurse Assistant or Caregiver certification from the state, and is an excellent precursor for any student exploring a career in nursing or another medical field.

JTED is also operating Central Campus programs in Aviation Technologies at Pima Community College's airport location, Electrical Power Transmission at Tucson Electric Power Company's plant near Irvington and Ajo Roads, and an Emergency Medical Technician (EMT) program at Pima Community College East Campus. Dr. Storm says plans are underway to open additional programs at Empire High School in the Vail Unified School District, and at Amphitheater High School in the Amphitheater Unified School District in 2010.

## Business & Industry Advisory Committee

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VACANT

**Architecture and Construction**  
David Pittman  
*Arizona Builders Alliance*

**Arts, Audio/Video Technology and Communications**  
Nancy Montoya and Kirt Ijams  
*International Media*

**Business Management and Administration**  
Paula Stuhrt  
*Tucson Metropolitan Chamber of Commerce*

**Education and Training**  
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*TutorLink*

**Finance**  
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and  
Stephanie Healy  
*Hospital Council of Southern Arizona*

**Hospitality and Tourism**  
LeeAnn Perry  
*Hilton El Conquistador*

**Human Services**  
Barb Torba has been invited to participate

**Information Technology**  
Justin Williams  
*Arizona Technology Council*

**Law, Public Safety, Corrections and Security**  
Laura Baker  
*Tucson Fire Department*

**Manufacturing**  
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**Marketing**  
VACANT

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**Pima Community College Career and Technical Education Representative**  
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*Environmental Strategies, Inc.*  
and  
Laura Shaw  
*Tucson Regional Economic Opportunities Inc.*

## Revving up careers

Albert Guerra made up his mind to drop out of high school, but Reginald Brooks, an automotive and math teacher at Indian Oasis/Baboquivari High School, convinced him to stay. Now Albert has his heart and mind set on pursuing a career repairing Ford trucks, and his family couldn't be more proud of him.

Reginald said that when Albert was in the seventh grade, he would hear him called to the office over the school loudspeaker up to three times a day. So when Albert showed up to join his Road Warriors car club, Reginald was a bit apprehensive. "Over the past four years, I've seen Albert blossom into a young man I'm proud to know," says Reginald.

Albert was honored as the Indian Oasis/Baboquivari High School Student of the Year at the 49th Automotive Service Association of Arizona (ASA) student awards banquet. Like all 18 students from Pima County high schools being honored that evening, the ASA gave him a \$400 Matco Tool Kit he'll be able to use to start his career.

Albert was also one of three students to win a \$1,000 scholarship from ASA. The other two winners were Marana High School student Michael Guerrero and Tucson High student Jose Mejia. Flowing Wells High School student Carlos Favela won a \$1,000 scholarship from Merle's Automotive Supply.

Past ASA President and JTED Governing Board Member, Robert Schlanger says he's thankful the ASA shop owners and sponsors, including Pima Community College, Daryl Koepfel and the Jim Click Automotive Team, and Merle's Automotive Supply owner Steve Sattinger, come together to support students. He says, "Business and industry have to play a key role in education if we want to have a skilled workforce for the future."





# Tucson high schoolers await market pickup at on-site craft apprentice 'learning lab'

Despite bumps and twists in Arizona's commercial and housing construction markets, builders and high-school educators have linked to keep the craft pipeline full for an anticipated market revival and expected retirement-driven workforce gaps.

"We believe the economic downturn is a temporary phenomenon, and when it's over, we will have more work than we have skilled labor," says Dave Pittman, director of the Southern Arizona division of the Arizona Builders' Alliance, a statewide contractor group whose 400 members include both union and nonunion firms. It teamed with the Pima County Joint Technological Education District (JTED) in Tucson last year to expand and equip a "learning laboratory" in a local magnet high school to teach electrical and HVAC trade skills to students.

Participants say Arizona's construction market is poised for recovery. "Ever since the invention of air conditioning, Arizona has been one of the fastest growing states in the country," says Pittman. "Demographers say in the next 30 years, it will more than double in size, and that means work for the construction industry. We'd be shortsighted to think we will not need construction workers in the future."

While demand for some entry-level trades is declining, there is still work for skilled apprentices in the Tucson area, says Larry Copenhaver, ABA craft training coordinator. He notes that four of the division's 160 members donated more than \$100,000 in equipment and upgrades to enhance and expand existing vocational education space at Catalina Magnet High School. It is used by the school during the day and by ABA at night for its four-year nonunion craft apprentice programs.

The builders' organization has 62 HVAC and electrical trades' apprentices at Catalina and another 12 apprenticing in plumbing at Tucson-based Pima Community College, where tight space precluded building the new lab facilities. Under an agreement, the high school rents the space to ABA for \$1 per year

for five years, with an option to renew after that. The improvements and equipment became the property of the school district.

Eight students are now taking the new HVAC class, which meets at 6:30 a.m., before their regular classes begin. Another group will soon start early morning electrical-skills training. "There is no question about the need," says Tom Ross, safety and labor coordinator for Wilson Electric Services Corp., Tempe, an ABA member that hires its apprentices and installed the lab's lighting and power receptacles. "It was a way to help them and an opportunity for our guys to learn," says Ross.

Paul Chavez, a superintendent in the Tucson office of Helix Electric Inc., recently interviewed a dozen ABA apprentices for upcoming barracks work the firm has at nearby Fort Huachuca, which houses several major Army commands. In addition, he expects a shopping mall project to move forward this month.

Madera Mechanical Inc., Tucson, donated the lab's ductwork and installed it. "We've never had an adequate number of sheetmetal workers to apprentice," says Kevin Warner, vice president. "We're committed to vocational education."

Recession-strapped technology educators could not be happier. "With current budget problems, it was a huge deal to have that kind of support," says Aaron Ball, JTED's Executive Director of Program Development. "It has expanded the [construction program's] ability to appeal to a broad range of students."

Hollis Simmons, lead building and construction trades instructor at the Catalina school, says the lab "has enabled me to start another program for my students." Copenhaver says the effort is "building a synergy between the vocational programs at the high school level and apprenticeship. It is a way to make young people aware of the advantages and opportunities in apprenticeship."



# Students looking for a successful future should join a CTSO



JTED students who want a future in business can draw on one man's past for success. Chuck Winkler has been the Future Business Leaders of America advisor (FBLA) for the past 20 years at Mountain View High School. He estimates that during that time, he's helped guide more than 700 students through leadership

opportunities at the regional, state and national level. Two of those students have been his son, Tyler, and daughter, Nicole. Seven of his students have become state officers.

Nicole started participating in FBLA when she was in the sixth grade. Now entering her senior year, she has earned several first place awards and a few second place awards at state competitions. "This was a shy little girl, who is really not competitive, and just wanted to participate," says Chuck. By her freshman year, Nicole had the confidence to step up and play the national anthem on her violin in front of approximately 900 people attending the FBLA state conference. Chuck says some of his students have come back to him after several years and told him how much FBLA changed their life, or was a defining moment in their life.

With more than a quarter of a million members, FBLA is the largest Career and Technical Student Organization (CTSO) in the world. Its members gain experience serving in leadership positions, have opportunities to compete and win awards in skill-based competitions, and work on community service projects. "FBLA provides a lot of opportunities for students - opportunities being the key word - that are outside the four walls of the classroom," says Chuck. "If a student has an interest in an area, they can explore that in a

real-world setting. They can start networking with other adults in their chosen career field."

Chuck says he's seen business people give their business card to his students and say, "When you're ready, call me." While there is obvious value to that type of networking, there's another valuable experience his students gain. "When I see team officers each year, they start off as individuals and by the end of the year you can really see they've bonded as a team," says Chuck. "I want my kids to have that edge when they go out into the world, because they are a part of me."

"Our job as educators is to train students for their careers, and I think CTSO's offer a fantastic opportunity for the students to get a jumpstart on their future," he says. "What are our students' options? They can do anything they want to because they live in America. CTSOs can help them focus on an area that will lead to a career they can enjoy for 30 years or more."

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*Chuck Winkler  
Future Business Leaders of America advisor  
at Mountain View High School*



# Professional Development helps new teachers

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Meeting all the state requirements to become a certified teacher can be overwhelming. The Pima County JTED has provided free classes to nearly 600 career and technical education (CTE) teachers. The classes not only help them earn their certification, but also help the teachers establish premier programs in our schools.

The State of Arizona requires 90 hours of Structured English Immersion (SEI) classes, and JTED has provided this training to 177 teachers. The JTED has also provided technology training and helped approximately 80 teachers throughout the county earn National Career Pathways Leadership certification.

Teachers entering the classroom through the process of "Provisional Certification" must take up to fifteen

college credits in teaching methods. In addition to the SEI classes, which count toward meeting that requirement, JTED offers these additional courses for college credit:

- Methods of Teaching Career and Technical Education
- CTE Curriculum Design
- Operation of a Career and Technical Student Organization

In another effort to help teachers deliver the best education to students, JTED launched a curriculum writing project in which teams developed lesson plans for the following programs: Cosmetology; Construction (see photo below); Automotive; Fashion Design and Merchandising; Law, Public Safety, and Security; Nursing Services; Culinary Arts; and Business Management Administrative Services. More than 60 teachers developed the plans, which will be posted online for both new and experienced teachers to use.

If you're a teacher and would like more information regarding professional development through Pima County JTED, contact Curt Bertelsen, Director of Professional Development, at 520-352-5833.



# A Student Salon

## OPENING FALL 2009

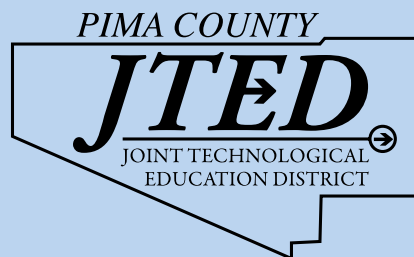


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