



DeSoto Independent School District

The 21<sup>st</sup> century economy is being driven by rapid innovation and education must retool.

High schools face mounting challenges due to global competition.



DeSoto Independent School District

## The Jobs of the Future

OCCUPATIONS WITH THE LARGEST PERCENTAGE GROWTH EXPECTED THROUGH 2018

- Biomedical engineer-72%
- Network systems analyst-53%
- Home health aide-50%
- Personal and home-care aide-46%
- Financial examiner-41%
- Medical scientist-40%
- Physician assistant-39%
- Skin-care specialist-38%
- Biochemist and biophysicist-37%
- Athletic trainer-37%

Source: Labor Department "Occupational Outlook Handbook"



### Forecast of United States Jobs by Industry 2008-2018 in thousands

	2008	2018	Difference
Total Nonfarm	139,206	153,842	14,636
Natural Resources and Mining and Construction	9,796	10,966	1,170
Manufacturing	13,431	12,225	-1,206
*Trade	21,320	22,230	910
Transportation, Warehousing and Utilities	4,505	4,950	445
Information	2,997	3,115	118
Financial Activities	8,146	8,703	557
*Professional and Business Services	17,552	21,444	4,092
*Educational and Health Services	30,316	34,016	3,700
Leisure and Hospitality	13,549	14,601	1,142
Government	11,581	12,648	1,067

Source: Workforce Solutions: Greater Dallas



### Class of 2018-Prepared for Work, Prepared for Life

- College Bound
  - Need a job while pursuing higher education
  - Strong correlation between classroom education and the workplace
  - Fast-track college
- Non-college bound
  - Need a job
  - Need career information and career planning
  - On the job training
  - Apprenticeships
  - Entrepreneurs
  - Vocational Education

Source: Work Force Solutions: Greater Dallas



## Retooling High Schools.....

Early colleges are good but only allow students who are likely to attend college the opportunity to earn college credit hours and a high school diploma.



## Retooling High Schools.....

Magnet schools are good but only focus on students with particular talents.



DeSoto Independent School District

## Retooling High Schools.....

Our College and Career Academies will allow all students to explore personal interests, thrive in their academics and earn college credit.



DeSoto Independent School District

## College and Career Academies

Engaging  
Relevant  
Rigorous  
Relationships



### College and Career Readiness

- English III
- Algebra II
- SAT, ACT, PSAT, EXPLORE, PLAN



### Educational Attainment and rank among states—TEXAS 2005

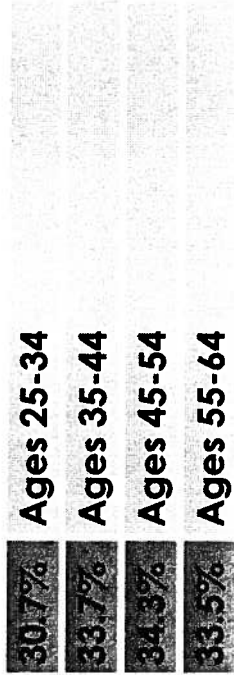
46th	<b>18-24 with HS diploma</b>
50th	<b>25-64 with HS diploma</b>
46th	<b>25-64 with Associate</b>
34th	<b>25-64 with Bachelor's or Higher</b>
34th	<b>25-64 with Graduate/Professional</b>

US Census Bureau 2005-ACS



DeSoto Independent School District

## Texas population with Associates Degree or Higher



US Census Bureau 2005-ACS



DeSoto Independent School District

## Workforce Needs

Global shifts to an Information, service and technology-based economy will require a college-educated workforce.

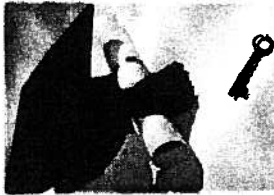
Seven out of every ten jobs will depend on advanced skills gained through postsecondary education or training.





DeSoto Independent School District

# College and Career Readiness

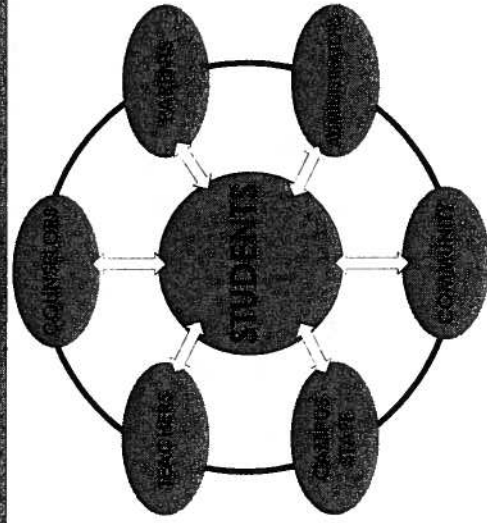


Challenging courses-especially in mathematics-open the doors to postsecondary opportunities.

Most well-paying jobs require a certificate or a college-degree.



DeSoto Independent School District





DeSoto Independent School District

## DeSoto High School

College and Career Academies

Programs of Study

Grades 9-12



DeSoto Independent School District

## College and Career Academies

- Arts & Performing Academy
- Business & Technology Academy
- Classical Academy
- Health & Science Academy
- Professional Academy





Des Moines Independent School District

# Arts & Performance Academy

## Career opportunities

- Graphic Designer
- Radio Broadcaster
- News Reporter
- Camera/Sound Engineer
- Traditional Arts



Des Moines Independent School District

# Organizations/Certifications

- Business Professionals of America



DeSoto Independent School District

## Business & Technology Academy

### Career opportunities

- Business Administration
- Business Management
- Finance
- Banker
- Network Engineer
- Marketing Advertisement
- Fashion Marketing
- Pilot
- Aviation Mechanic
- Automotive Technician



DeSoto Independent School District

## Organizations/Certifications

- Business Professionals of America
- Skills USA
- CRP Future Pilots
- Microsoft Office Suite Certification
- IC3 Technology Certification
- Automotive Air Condition Certification
- Safety & Pollution Prevention Certification
- Pre-ASC Certification



DeSoto Independent School District

## Classical Academy

### Clubs, Organizations & Extracurricular Activities

- PeaceMakers
- PALS
- Foreign Language Clubs
- Honor Society
- JROTC
- Athlete
- Fellowship of Christian Athletes
- Academic Decathlon
- Cheerleader
- Eaglette Drill Team
- Twirler



DeSoto Independent School District

## Organizations/Certifications

- Mediator
- Mentor
- Big Brother Big Sister



DeSoto Independent School District

## Health & Science Academy

### Career opportunities

- Welder
- Landscaper
- Veterinary
- Nurse Assistant
- Nurse
- Nutritionist
- Doctor
- Dentist
- Medical Billing Administrator
- Pharmacist
- Sports Medicine
- Physical Therapist
- Food and Drug Inspector



DeSoto Independent School District

## Organizations/Certifications

- Future Farmer of America
- Health Occupation Students of America
- Certified Nurses Assistant
- Pharmacy Technician Assistant
- Certified Athletic Trainer



DeSoto Independent School District

## Professional Academy

### Career opportunities

- Teacher
- Day Care Provider
- Counselor
- Chef
- Restaurant Manager



DeSoto Independent School District

## Organizations/Certifications

- Texas Association of Future Educators
- Family, Career and Community Leaders of America
- Certified Food Handlers



DeSoto Independent School District

## College Readiness Opportunities for all Academies

- Dual Credit
- Tech Prep Articulation Credit
- Advanced Placement Credit
- CATE College Tours