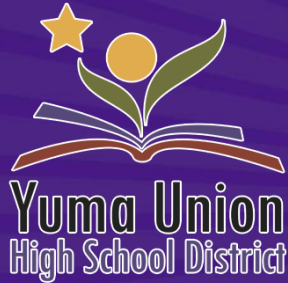


Early College Academy

STEAM

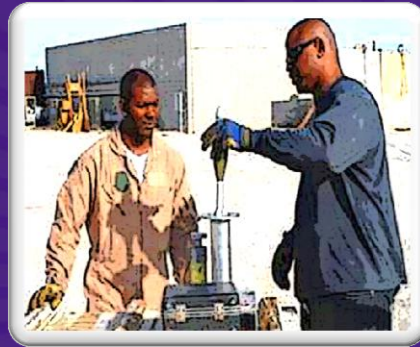




TRAX International
General Motors/YPG
Nicklaus Engineering
Development & Design Engineering
Dahl Robins & Associates
Sternco Engineers
Yuma County School
Superintendent
Helena Chemical Company
Border Health
Yuma Private Industry Council
Arizona Public Service
NAU-Yuma
Core Engineering
Greater Yuma Economic
Development Corporation
University of Arizona
Arizona Western College
Sun River Investment Properties
Yuma Regional Medical Center
Helios Education Foundation
Gowan Milling Company
Sakata Seed Company



- Rigorous college level classes with ongoing support.
- Achievement of AWC certificates that produce high-paying job opportunities after high school
- Hands-on experience with local industry
- Exposure to a variety of careers in STEAM
- Increased opportunities for receiving college degrees



- Overarching Purpose
- Multiple Tracks
- Science, Technology, Engineering, Agriculture, Mathematics
- Science Foundation of Arizona
- Arizona Western College Role
- Sustainability of the Program

- Over 200 9-12th grade students are in the STEAM Academy at Yuma HS and San Luis HS this fall.
 - College Pre-Calculus course
 - College English course
 - College Engineering course
 - College General Education courses



- Hands on experience with industry leaders
- Field Trips/Site Visits/Speakers
- AVID tutorial support
- Summer Engineering camps
- Internships
- ITN classroom at Yuma HS

- Applied Experiences
- Opportunities
 - Solar Technology
 - Yuma Proving Ground (TRAX International)
 - Agriculture
- 2011 Summer Engineering Camps
 - University of Arizona
 - AWC Summer Engineering Camp





Find out more about any of these Grand Challenges:



Make solar energy economical



Provide energy from fusion



Develop carbon sequestration methods



Manage the nitrogen cycle



Provide access to clean water



Restore and improve urban infrastructure



Advance health informatics



Engineer better medicines



Reverse-engineer the brain



Prevent nuclear terror



Secure cyberspace



Enhance virtual reality



Advance personalized learning



Engineer the tools of scientific discovery

