A Vision for a Partnership

- The Wichita Fire Department is largest in the State of Kansas.
- We are an all-hazards public safety agency.
- Our fire department consist of 430 commissioned and civilian members.
- We operate from 22 Fire Stations
- Serving the 170 square miles of the City of Wichita.
Demographics (approximately 370,000)

- The City – 75 percent White
- The FD – 88 percent White
- The City – 11 percent Black
- The FD – 4 percent Black
- The City – 10 percent Hispanic
- The FD – 5 percent Hispanic
- The City – 4 percent Asian
- The FD - .2 percent Asian
- The City – 1 percent Native American
- The FD - .1 percent Native American
- **Vision** for the Partnership
- To develop a relationship with Unified School District 259 students that would expose them to the fire service as a possible career choice.
- This was prompted by on-going concerns about diversity in our departments workforce.
- Communities are better served by public safety organizations that understand and reflect the values of the community.
Outcome – To make our department more flexible, relevant and better prepared to solve today’s and tomorrow’s community risk reduction, emergency response and emergency management challenges.
• **Planning** – Find a champion!
• In the fire department
• In the school system
Getting Started

- Voluntold
- Northeast Mentorship program
- Educational background
- Community Risk Reduction goals
Getting Organized

- Development meetings
  - Goal development within fire department
  - Objectives development with NEMHS
  - Certification requirement review
- Implementation meetings
  - Curricular development
  - Staff training
  - Equipment procurement
- Kansas State Department of Education
  - CTE development
    - Career Clusters
Resources and Support

- NEMHS certified staff and administration
- Wichita Fire Department and Station 10
- Hutchinson Community College fire science program
- National Fire Protection Association, Kansas Fire and Rescue Training Institute
- WFD Explorer Post
- WFD Division Chief of Training
- Ancillary departments
NEMHS and WFD Station 10

- Neighborhood Fire Station
- Adopted NEMHS FF1 class
- Dedication, Determination, and Desire
- Community Risk Reduction goals
- Good Apple attitudes
- Friends of Education
Successes

- Development of KSDE LPSS Career Pathway
- Expansion to South High, 2 neighboring districts, and other State districts
- Observer Program
- NEMHS assists with Fire Prevention Week Activities
- NEMHS field trips to WFD training schools
- KSDE modeled from our partnership program
- Students continuing into college fire science programs
Challenges and considerations

- Age appropriate
- NEMHS relocation
- Aging Equipment Costs
- Equipment repair
- Staff dedication
- Extended out of service times
- Training locations
- Field trip expenses
- Continuing education
- IFSAC certification and employment
Designing a New Pathway

- Creating a state pathway design
- Building an advisory committee
- Looking at curriculum and standards
- Getting the pathway design approved
Need for LPSS in Kansas?

- Leavenworth Federal Prison
- 9 State Correctional Facilities
- 105 County Sheriff Departments
- 202 City Police Departments
- 15 Highway Patrol Troops (over 540 Officers)
- KBI
- 85 Fire Departments
- 10 University Campus Police Departments
- 3 Military Bases
- State Parks Department
- Private Security Firms
- Over 80 Airports (Several with TSA employees)
Stakeholders in Development

- Business and Industry
  - Wichita Fire Department
  - Wichita Police Department
  - Kansas Highway Patrol
  - Finney County EMS
  - Kansas Fireline

- Education
  - Wichita Public Schools
  - Garden City Public Schools
  - Garden City Community College
  - Hutchinson Community College
  - Butler Community College
Emergency & Fire Management Services—CIP Code 43.0299

Approved Pathway:
1) Includes minimum of three secondary-level credits.
2) Includes a work-based element.
4) Supporting documentation include Articulation Agreement(s) and a Program of Study.
5) Technical-level and Application-level courses receive .5 state-weighted funding in an approved CTE pathway.

Concentrator Requirement
For a student to be a concentrator, at least 2 of 3 required secondary level credits taken must be a combination of technical and application levels.

INTRODUCTORY LEVEL

- Introduction to LPSS 44001 .5 credit
- History of Emer. Medical Services 44005 .5 credit

TECHNICAL LEVEL

- IT in Service Professions 44010 .5 credit
- First Aid/CPR/EMR 44050 .5 credit
- EMT 44060 1 credit
- **EMT-Bridge 44055 .5 credit
- Fire Science I 44100 1 credit

APPLICATION LEVEL

- **Fire Science II 44101 1 credit
- **LPSS Internship 44298 .5 credit
- Public Safety Telecommunications 44220 .5 credit

*Required for pathway approval.
**Has a Pre-requisite course. LPSS Internship (44298) must be preceded by EMT, EMT-Bridge or Fire Science.
***First Aid/CPR is included in Fire Science.
□Cannot be the only Technical Level course offered in the pathway.
Boldfaced courses offer professional certifications and require specialized teacher certification.

ALL ONE CREDIT COURSES MAY BE TAUGHT AS TWO .5 CREDIT COURSES.
Pathway Competencies

• Introduction to LPSS
  – Common intro course for law enforcement, corrections and security, pre-law, emergency and fire management pathways
  – Understanding of type and functions of LPPS agencies and occupations
  – Understanding of basic legal issues
  – HazMat and OSHA general safety certification
Pathway Competencies

- History of Emergency Medical Services
  - Understanding of development of first emergency medical systems from Napoleon era triage and transport through current EMS systems
  - The role of professional organizations in advancing EMS
  - Legal issues surrounding health and emergency care
Pathway Competencies

• IT in Service Professions
  – Documentation of observations, information, calls and dispatches
  – Preparation of written reports
  – Software and technology used
Pathway Competencies

• First Aid/CPR/EMR
  – Protocols followed in emergency management response
  – Awareness of local, state and federal regulations
  – Universal precautions
  – Awareness of symptoms and appropriate treatments

• EMT Bridge
  – Development of skills required of EMTs

• EMT
  – combines both courses above
  – Requires specialized teacher certification
Pathway Competencies

• Fire Science 1 and Fire Science 2
  – Takes the first year of the postsecondary program and stretches it out of two years
  – Follows National Fire Protection Association (NFPA) standards
  – Requires specialized teacher certification
Pathway Competencies

• LPSS Internship
  – Common course for all LPSS pathway strands

• Public Safety Telecommunications
  – Dispatch/911 call center training
  – Requires specialized teacher certification
Getting the Pathway Approved

• Pathways are first recommended for approval by the Kansas Advisory Committee for CTE (KACCTE), a state-wide advisory committee with representatives from each career cluster area adopted by Kansas

• Representatives of the stakeholders group presented to the KACCTE

• Kansas State Board of Education has final approval
Expanding the Program

- South High comes on board, partnering with Sedgwick County Fire Department
- New and expanded partnerships needed
- Instructor becomes certified for FF1
- Role of the explorers group
- Successes and Challenges
Impact and Future Plans

• Progress made on original goals?
• Hosting a regional competition event to promote the program and recognize student skills
Instructor Certification

• Bachelor of Science in Education with an emphasis Business Education
• National Firefighter 1
• Hazardous Materials Awareness
• Hazardous Materials Operations
• Co-taught with Hutchison Community College during the first year
• Certified during the summer
Pathway Structure

- LPSS – Freshmen / Sophomore
- EMR – Freshmen – Senior
- Fire fighter 1&2  - Junior / Senior
- EMT – Senior
- Fire and EMT are two 80 minute blocks every other day
Partnerships: SCFD

- Partnership with SCFD has provided:
  - Volunteer opportunities
  - Practical applications
    - Stories
    - Department terminology
    - Department protocol
    - Hands on techniques and critiques
- Truck tours
- Guest speakers
Partnerships: Hutchinson Community College (Fire Fighter 1&2)

- Co-teach during the 1\textsuperscript{st} year of fire fighter 1
- Gear – SCBA (air packs)
- Marketing
- Content Structure
- Instructor materials
- College Credit
- Field trips
Partnerships: Hutchinson Community College (EMT)

- C instructor teaches course
- Provide and schedule lab assistants
- File paperwork for certification
- Provide all gear required to complete class
- Prepare students for State and National Emergency Medical Technician Certification
- College Credit
Partnerships: Hutchinson Community College

**Instructor**
- Supplemental materials for instruction
- Co-taught class during the first year
- Certification / training
- Marketing
- Content structure
- Prop design

**Students**
- College credit
- Field trips
- Guest speakers
- Live burn training
- Red card certification
- Post secondary guidance
- EMS ride along
Wichita Fire Department

• Ride along opportunities
  – Fire Observer
• Guest speakers
• Practical applications
• Instructor supplemental materials
Conway Springs Volunteer Fire Department

- Out of service fire hose
- Volunteer service for students
- Guest speakers
- Student and instructor training opportunities
Partnerships Expanded: Gear
Live Fire Training
Supporting Culture

- Building Administration
- Fire Explorers post 881
- Students with FD family
Challenges

• 83% free and reduced lunch
• 1600 students
• Low Math and Reading scores on National Tests
• Students work to support families
• Students are less career orientated and more job orientated
## Increasing Diversity

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Successes

- 1/3 of students are enrolled in a post secondary fire science programs
- 4 students received State and National Emergency Medical Technician Certification
Successes

• 1 student fought wild land fires this summer
• 1 student has to be hired on FD pending EMT certification
• 2 students involved in local volunteer FD
• 6 students finishing Fire Science Associates Degree this spring
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