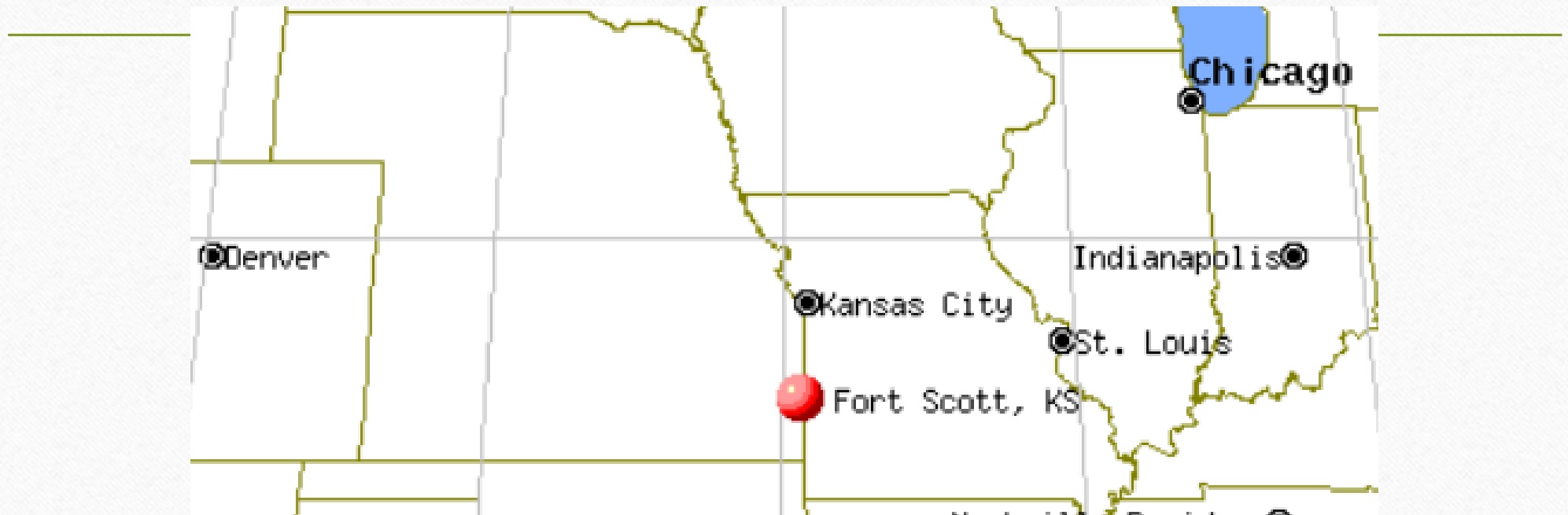


# Embedding Academic Credit in CTE

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Fort Scott Community College

# Fort Scott, KS





# Fort Scott Community College

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- Mission: FSCC is an institution of higher learning with a long history of culture and diversity that provides affordable academic, technical, and occupational programs to meet student needs while fostering a mutually supportive relationship between the college and its communities.
- Strategic Plan Goals
  - Foster relationships with the communities FSCC serves
  - Cultivate quality enhancements for education and learning
  - Promote student success
  - Ensure reliable and safe facilities and equipment through a culture of fiscal responsibility
  - Promote employee engagement

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# Fort Scott Community College

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- Oldest, continuous community college in Kansas
  - Founded in 1919
- Governed by a locally elected Board of Trustees
  - Partially funded by local mill levy (approximately 18% of total revenue)
- Coordinated by the Kansas Board of Regents



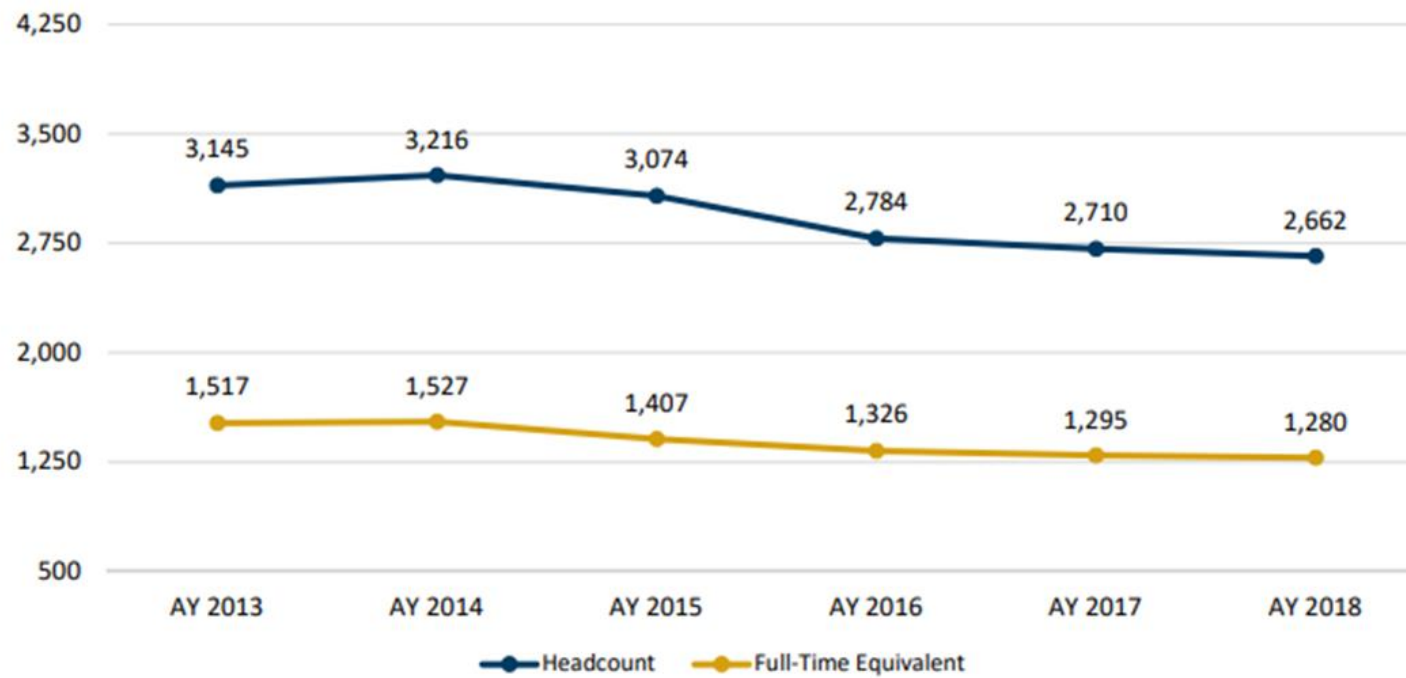
# FSCC Enrollment Data

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- Declining since 2011
- Since 2016, enrollment has remained fairly consistent

| Category                        | AY 2013 | AY 2014 | AY 2015 | AY 2016 | AY 2017 | AY 2018 | % Change<br>AY 13 - 18 |
|---------------------------------|---------|---------|---------|---------|---------|---------|------------------------|
| Enrollment Headcount            | 3,145   | 3,216   | 3,074   | 2,784   | 2,710   | 2,662   | -15.4%                 |
| Full-Time Equivalent Enrollment | 1,517   | 1,527   | 1,407   | 1,326   | 1,295   | 1,280   | -15.6%                 |

**Headcount and FTE  
Academic Year 2013 - 2018**



# Integrating Academics Grant

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- FSCC applied for a grant with the Kansas Board of Regents during the 2016-17 academic year
  - Application was to integrate math into welding, construction trades/carpentry, HVAC, and Masonry programs
- The grant is a portion of the states Perkins reserve fund
- FSCC applied for the same grant in spring 2018
  - Integration of writing/English into curriculum for all Perkins approved programs



# Grant Specifics (Integrating Writing)

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- The grant funding of almost \$15,000 was solely utilized for professional development/training
  - Consultant
  - CTE Instructors (7)
  - English Instructor
- Not all CTE programs chose to participate
  - Cosmetology and Nursing

# Programs Participating in Math and/or English

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- Farm and Ranch Management (Ag)
- Welding
- Construction Trades (Carpentry)
- Masonry
- HVAC
- Criminal Justice
- Ag Technology (John Deere)

# Instructor/Program Responsibilities

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- Attend all meetings as required
  - These were scheduled outside of office and normal working hours
  - The training with the consultant was eight hours on a Saturday last March
- Develop ten different lesson plans to integrate writing/math into current curriculum
- Work with the designated FSCC English instructor to ensure lesson plans and pedagogy was appropriate



# Sample Lesson Plan Developed

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## **Lesson Plan #6: Letter and Instructions of Feed Recommendation**

**FSCC Course:** Animal Feeds and Nutrition

### **Objective:**

- Use prior knowledge to create feed recommendations for a producer.
- Create a professional letter of recommendations.

### **Feed Recommendations Assignment:**

- After students learn about feed stuffs, nutritional requirements and alternative nutrition, they will receive a scenario of a producer who is wanting help with efficiency of feed for their operation.
- This scenario contains all of the background information the student needs to create feeding instructions so the producer can be more efficient with feed costs, inputs and outputs.
- Students will create a letter to the producer explaining the reasoning of the rations once the feeding instructions and rations are created.

The letter and instructions must contain the following information:

### **Letter:**

**Letter:**

- Explain what you feel are the most beneficial feed stuffs that will be used in the rations.
- Give reasoning of why you chose that particular feedstuff over another alternative.
- Explain how this new ratio will benefit the herd and overall production of the business.
- The letter needs to be written on Microsoft Word.
- The letter needs to be free of grammatical and spelling errors.
- Use 12 point font.
- No minimum amount of pages as long as you have all of the information the producer needs.

**Instructions:**

- Explain the ration with the nutritional information based on the scenario.
- List out the ingredients as if you would see them on a feed tag.
- Give instructions on daily feeding.
- The instructions need to be written on Microsoft Word.
- The instructions need to be free of grammatical and spelling errors.
- Use 12 point font.
- No minimum amount of pages as long as you have all of the information the producer needs.



# Student Benefits

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- Students are receiving skills, being taught in an unconventional method
  - Practical and applicable to areas of interest
- Secondary students are receiving additional benefits from some school districts
  - Kansas State Department of Education (KSDE) requires four units of English/Language Arts and three units of math
  - State also has the Excel in CTE Initiative (commonly referred to as SB155)

# Secondary Student Benefits

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- Some school districts are granting credit for students taking CTE courses from the college
  - Iola, KS – Very specific policy and requirements for students to gain a high school credit in Technical Math for students completing Construction Trades Courses
  - Prairie View High School – Students successfully completing Construction Trades courses are receiving math credit
  - Paola High School – Students successfully completing Welding, Construction Trades, or Criminal Justice courses are receiving math and English credit
  - Frontenac High School – Initial discussion to have math faculty create an assessment to test for math credit

# Overall Integration Challenges

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- Clarifying that college credit was not being given for English or math
- Inconsistency among different districts granting credit
  - Also students attending classes they have no interest in, just to get the HS credit
- Scheduling meetings and trainings with all different stakeholder groups



# Positives of Embedding Academic Credit

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- Students receive a more holistic educational experience

# Criminal Justice Student Sample

## SENTENCE SKILLS DIAGNOSTIC PRE- & POST-TESTS, FALL 2018

| Student ID | SD Pre-Test, 8.20.18               | SD Post- Test, 12.10.18             |                     |
|------------|------------------------------------|-------------------------------------|---------------------|
|            | Sentence Skills Diagnostic Pretest | Sentence Skills Diagnostic Posttest | Sentence Skills +/- |
| 1          | 32%                                | 100%                                | 68                  |
| 2          | 60%                                | -                                   | -                   |
| 3          | 68%                                | -                                   | -                   |
| 4          | 60%                                | 76%                                 | 16                  |
| 5          | 68%                                | -                                   | -                   |
| 6          | 58%                                | 88%                                 | 30                  |
| 7          | 56%                                | 76%                                 | 20                  |
| 8          | 38%                                | 100%                                | 62                  |
| 9          | 60%                                | 90%                                 | 30                  |
|            | 51%                                | 88%                                 | +38                 |

# Positives of Embedding Academic Credit

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- Students receive a more holistic educational experience
- Secondary students can receive high school credit, which has increased interest in the programs
- Collaboration between CTE instructors and math/English faculty



# Questions or Comments?

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