



Executive Summary

Kentucky Tech

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Introduction

Every school system has its own story to tell. The context in which teaching and learning takes place influences the processes and procedures by which the school system makes decisions around curriculum, instruction, and assessment. The context also impacts the way a school system stays faithful to its vision. Many factors contribute to the overall narrative such as an identification of stakeholders, a description of stakeholder engagement, the trends and issues affecting the school system, and the kinds of programs and services that a school system implements to support student learning.

The purpose of the Executive Summary (ES) is to provide a school system with an opportunity to describe in narrative form the strengths and challenges it encounters. By doing so, the public and members of the community will have a more complete picture of how the school system perceives itself and the process of self-reflection for continuous improvement. This summary is structured for the school system to reflect on how it provides teaching and learning on a day to day basis.

Description of the School System

Describe the school system's size, community/communities, location, and changes it has experienced in the last three years. Include demographic information about the students, staff, and community at large. What unique features and challenges are associated with the community/communities the school system serves?

The Office of Career and Technical Education operates the 53 area technology centers branded Kentucky Tech. Kentucky Tech is the only state operated school district in the Commonwealth that provides consistency and continuity of secondary career and technical education programs. Kentucky Tech provides career and technical education programs for 129 school districts statewide. During the 2011-2012 academic year, the system served 23,742 students. Students are able to pursue numerous programs of study within several career clusters. Throughout their program of study students are exposed to a curriculum which is aligned with the Kentucky Community & Technical College System. System to system dual credit and articulation agreements allow secondary students an opportunity to begin their college experience while attending high school.

During the 2012-2013 school year the Office of Career and Technical Education in the Education Cabinet merged with the Kentucky Department of Education College and Career Readiness Branch. A new Office of Career and Technical Education has been created within the Kentucky Department of Education.

System's Purpose

Provide the school system's purpose statement and ancillary content such as mission, vision, values, and/or beliefs. Describe how the school system embodies its purpose through its program offerings and expectations for students.

Based on input by teachers, principals, central office staff, and representatives from business and industry, a vision and set of belief statements were developed. Thus, the system proudly states,

KY Tech vision:

With high expectations and strong partnerships, Kentucky Tech will actively engage all students in the mastery of academic and technical skills needed to be ready for college and a career.

We Believe:

- ☐ Students learn best when they are actively engaged in the learning process.
- ☐ Students learn best when our staff maintains high expectations for learning.
- ☐ Students are motivated to learn when classroom instruction is related to real-world applications.
- ☐ All students in our school need to have an equal opportunity to learn.
- ☐ A safe and physically comfortable environment promotes student learning.
- ☐ Students learn best when instruction incorporates both academic and technical skills. Effective school leaders engage in practices that support the ongoing improvement of teaching and student performance.
- ☐ Teachers, administrators, parents and the community share the responsibility for helping students learn.

Notable Achievements and Areas of Improvement

Describe the school system's notable achievements and areas of improvement in the last three years. Additionally, describe areas for improvement that the school system is striving to achieve in the next three years.

Student performance data is collected and analyzed frequently by teachers, principals, and central office personnel. The Kentucky Occupational Skill Standards Assessments are given each spring to preparatory seniors in the technical programs. In the 2011-2012 academic year 3,398 students took the assessments and 1,458 received certificates (43% passage rate) compared to 2010-2011 when 3,251 students took the assessments and 1,388 received certificates (43 % passage rate). Another important measure for students performance is the passage rate of national recognized industry certification exams. In 2011-2012 Kentucky Tech students were awarded 1,032 industry certificates compared to 1,687 in 2010-2011.

A major issue impacting the Kentucky Tech System relates to the merging of KY Tech with KDE during the 2012-2013 school year. With this merge OCTE/KY Tech has been given the charge to increase the Career Readiness for state accountability measures.

Additional Information

Provide any additional information you would like to share with the public and community that were not prompted in the previous sections.

The strengths of the system include strong stakeholder relationships and a process for implementing continuous improvement through the program assessment process. The major needs of the system are in the area of resources. The state's economic down-turn has made it difficult to provide sufficient resources for all education programs. However, the Kentucky Tech staff at all levels has been very efficient in the use of limited resources. The strong relationships have attributed to the system's ability to over-come any insufficient resources. It is through the partnerships that the system is able to provide students across the state with outstanding academic and technical skills training

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Overview

Plan Name

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Plan Description

KY Tech District Continuous Improvement Plan 2012-2014

Goals Summary

The following is a summary of the goals encompassed in this plan. The details for each goal are available in the next section.

#	Goal Name	Goal Details	Goal Type	Measurable Objective	Total Funding
1	Increase the percentage of preparatory students who are career ready.	Objectives: 1 Strategies: 2 Activities: 3	Academic	54% of Twelfth grade students will demonstrate a proficiency as career ready, preparatory students in Career & Technical by 05/30/2014 as measured by TEDS.	\$22100
2	Increase the percentage of seniors who achieve preparatory status in CTE programs.	Objectives: 1 Strategies: 2 Activities: 6	Organizational	Collaborate to increase the percentage of seniors who achieve preparatory status in a CTE program from 50% to 67% by 06/30/2014 as measured by TEDS.	\$2200
3	Implement the Kentucky Teacher/Principal Effectiveness Model	Objectives: 1 Strategies: 1 Activities: 1	Organizational	Collaborate to create and implement a plan for transitioning from the current 151B teacher/principal evaluation to the new Teacher/Principal Effectiveness Model by 06/30/2014 as measured by teacher/principal evaluations.	\$25000
4	Develop technical tasks and projects that align with the Common Core State Standards and the Common Career and Technical Core within each program.	Objectives: 1 Strategies: 1 Activities: 3	Organizational	Collaborate to develop technical tasks, created by CTE consultants and teachers, that will be available to all Kentucky Tech teachers by 06/30/2014 as measured by program assessment.	\$35000

Goal 1: Increase the percentage of preparatory students who are career ready.

Measurable Objective 1:

54% of Twelfth grade students will demonstrate a proficiency as career ready, preparatory students in Career & Technical by 05/30/2014 as measured by TEDS.

Strategy 1:

Communicate CCR Measures - Communicate and educate teachers, principals, DAC's and district leadership on the CCR measures.

Activity - CCR Webcasts	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Develop and provide webcasts for stakeholders to communicate CCR measures. Schools: All Schools	Career Preparation/Orientation	08/01/2012	06/30/2013	\$2000	Perkins	Curriculum Branch

Activity - Technical Assistance Visit	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
During a team visit a review of CCR information, including improvement activities will be reviewed with the ATC principal. Schools: All Schools	Career Preparation/Orientation	10/01/2012	03/29/2013	\$100	Perkins	Program Assessment Branch

Strategy 2:

Formative Assessments - Develop formative assessment during the 2012-2013 school year for implementation during the 2013-2014 school year.

Activity - Formative Assessment Process	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Develop and implement formative assessments, at the course level, to monitor student progress toward meeting knowledge and skills requirements to pass industry certification and KOSSA exams. During 2012-2013 school year consultants will develop questions for each program area question bank. Question format will reflect the industry exams, KOSSA and/or WorkKeys assessment questions for program area. During the 2013-2014 school year formative assessments are administered for each program. Schools: All Schools	Career Preparation/Orientation	08/01/2012	06/30/2014	\$20000	Perkins	Program consultants , teachers, curriculum committees

Goal 2: Increase the percentage of seniors who achieve preparatory status in CTE programs.

Measurable Objective 1:

Collaborate to increase the percentage of seniors who achieve preparatory status in a CTE program from 50% to 67% by 06/30/2014 as measured by TEDS.

Strategy 1:

Stakeholder Communication - CTE teachers and principals will counsel students and inform stakeholders on the value and use of career pathways.

Activity - ILP Webcast	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
ILP webcast will be used by principals and teachers to communicate the value and use of career pathways in the ILP development. Schools: All Schools	Career Preparation/Orientation	09/01/2012	06/30/2014	\$200	Perkins	Curriculum Branch, teachers, principals

Activity - Operation Preparation	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
OCTE staff and principals will actively participate in Operation Preparation. Schools: All Schools	Career Preparation/Orientation	03/01/2013	03/31/2013	\$0	No Funding Required	Central Office Staff

Activity - Career Pathway and ILP Tool Kit	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
The curriculum branch will develop a tool kit for use by teachers and principals to communicate the value and use of career pathways in conjunction with the ILP. This tool kit will be developed in time for student scheduling for the 2013-2014 school year. Schools: All Schools	Career Preparation/Orientation	10/01/2012	02/28/2013	\$2000	Perkins	Curriculum Branch, Teachers and Principals

Strategy 2:

Program Enrollment - Central office and ATC's will aggressively monitor program enrollment.

Activity - Career Pathway Emphasis	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Area technology center staff will place emphasis on awareness of student progression through the career pathway and counsel students in next educational steps. ATC's will maintain a student technical transcript as indicated by program assessment standards. Schools: All Schools	Career Preparation/Orientation	09/01/2012	05/30/2014	\$0	No Funding Required	Principals, teachers

Activity - Monitor Career Pathway	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
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Work with school and district administration to place all students on a career pathway. Work to change school culture to revolve around students using career pathways as a focal point for determining educational direction. Schools: All Schools	Career Preparation/Orientation	09/01/2012	06/30/2014	\$0	No Funding Required	Central Office Staff, Principals
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Activity - School Counselors	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Work with counselors to enroll under classman ahead of seniors. This provides opportunity for students to become preparatory and achieve industry and/or KOSSA credential. Accept new seniors only as a way to keep program off flagging list. Provide career pathways and student progression documents for counselors use during registration and ILP development. Schools: All Schools	Career Preparation/Orientation	09/01/2012	06/30/2014	\$0	No Funding Required	Central Office Staff Principals

Goal 3: Implement the Kentucky Teacher/Principal Effectiveness Model

Measurable Objective 1:

Collaborate to create and implement a plan for transitioning from the current 151B teacher/principal evaluation to the new Teacher/Principal Effectiveness Model by 06/30/2014 as measured by teacher/principal evaluations.

Strategy 1:

Teacher/Principal Effectiveness Model - Communicate the process and train teachers and principals to be proficient in the use of the new Teacher/Principal Effectiveness Model.

Activity - Train staff in the new Teacher/Principal Effectiveness Model	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Provide training to central office staff in the new teacher/principal effectiveness model by Spring 2013. During the 2013 summer program offer training to ATC principals. During the fall of 2013 have principals complete and pass the online training to be certified in the new teacher evaluation process. During the 2013-2014 school year provide training to teachers on the new teacher evaluation process. Schools: All Schools	Policy and Process	10/01/2012	06/30/2014	\$25000	Perkins	Central office staff, principals, teachers

Goal 4: Develop technical tasks and projects that align with the Common Core State Standards and the Common Career and Technical Core within each program.

Measurable Objective 1:

Collaborate to develop technical tasks, created by CTE consultants and teachers, that will be available to all Kentucky Tech teachers by 06/30/2014 as measured by program assessment.

Strategy 1:

Common Core State Standards - Align KY Tech curriculum with Common Core State Standards.

Activity - Curriculum Maps	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Using the KY Tech Task List, curriculum maps will be developed or updated to align tasks with industry standards, Common Core State Standards and the Common Career and Technical Core. Include projects based on courses leading to industry certifications. Instructors incorporate projects that reflect the skills/tasks previously taught in the courses. Upon completion of a course student will be tested on knowledge and do a performance project proving attainment and mastery of technical tasks. Schools: All Schools	Academic Support Program	10/01/2012	06/30/2014	\$20000	Perkins	Curriculum Consultants

Activity - Career and Technical Student Organizations	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Projects based on student organization leadership development and competitive events are incorporated into the curriculum maps to enhance the student achievement and indicates how CTSO activities align with standards Schools: All Schools	Career Preparation/Orientation	10/01/2012	06/30/2014	\$10000	Perkins	Curriculum Branch, teachers and curriculum committees

Activity - Lesson Plan Database	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Review and revise all lessons in the Kentucky Tech lesson plan database. This review would bring content up-to-date, ensure CCSS, CCTC, KOSSA, KY Tech tasks and industry standards are current. Also a list of lesson plans needed to cover all content, KY Tech tasks, CCTC and KOSSA would be developed. Schools: All Schools	Academic Support Program	10/01/2012	06/30/2014	\$5000	Perkins	Curriculum Branch, teachers

Activity Summary by Funding Source

Below is a breakdown of your activities by funding source

Perkins

Activity Name	Activity Description	Activity Type	Begin Date	End Date	Resource Assigned	Staff Responsible
Technical Assistance Visit	During a team visit a review of CCR information, including improvement activities will be reviewed with the ATC principal.	Career Preparation/Orientation	10/01/2012	03/29/2013	\$100	Program Assessment Branch
ILP Webcast	ILP webcast will be used by principals and teachers to communicate the value and use of career pathways in the ILP development.	Career Preparation/Orientation	09/01/2012	06/30/2014	\$200	Curriculum Branch, teachers, principals
Curriculum Maps	Using the KY Tech Task List, curriculum maps will be developed or updated to align tasks with industry standards, Common Core State Standards and the Common Career and Technical Core. Include projects based on courses leading to industry certifications. Instructors incorporate projects that reflect the skills/tasks previously taught in the courses. Upon completion of a course student will be tested on knowledge and do a performance project proving attainment and mastery of technical tasks.	Academic Support Program	10/01/2012	06/30/2014	\$20000	Curriculum Consultants
Career Pathway and ILP Tool Kit	The curriculum branch will develop a tool kit for use by teachers and principals to communicate the value and use of career pathways in conjunction with the ILP. This tool kit will be developed in time for student scheduling for the 2013-2014 school year.	Career Preparation/Orientation	10/01/2012	02/28/2013	\$2000	Curriculum Branch, Teachers and Principals
Career and Technical Student Organizations	Projects based on student organization leadership development and competitive events are incorporated into the curriculum maps to enhance the student achievement and indicates how CTSO activities align with standards	Career Preparation/Orientation	10/01/2012	06/30/2014	\$10000	Curriculum Branch, teachers and curriculum committees
CCR Webcasts	Develop and provide webcasts for stakeholders to communicate CCR measures.	Career Preparation/Orientation	08/01/2012	06/30/2013	\$2000	Curriculum Branch
Lesson Plan Database	Review and revise all lessons in the Kentucky Tech lesson plan database. This review would bring content up-to-date, ensure CCSS, CCTC, KOSSA, KY Tech tasks and industry standards are current. Also a list of lesson plans needed to cover all content, KY Tech tasks, CCTC and KOSSA would be developed.	Academic Support Program	10/01/2012	06/30/2014	\$5000	Curriculum Branch, teachers

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Train staff in the new Teacher/Principal Effectiveness Model	Provide training to central office staff in the new teacher/principal effectiveness model by Spring 2013. During the 2013 summer program offer training to ATC principals. During the fall of 2013 have principals complete and pass the online training to be certified in the new teacher evaluation process. During the 2013-2014 school year provide training to teachers on the new teacher evaluation process.	Policy and Process	10/01/2012	06/30/2014	\$25000	Central office staff, principals, teachers
Formative Assessment Process	Develop and implement formative assessments, at the course level, to monitor student progress toward meeting knowledge and skills requirements to pass industry certification and KOSSA exams. During 2012-2013 school year consultants will develop questions for each program area question bank. Question format will reflect the industry exams, KOSSA and/or WorkKeys assessment questions for program area. During the 2013-2014 school year formative assessments are administered for each program.	Career Preparation/Orientation	08/01/2012	06/30/2014	\$20000	Program consultants, teachers, curriculum committees
Total					\$84300	

No Funding Required

Activity Name	Activity Description	Activity Type	Begin Date	End Date	Resource Assigned	Staff Responsible
School Counselors	Work with counselors to enroll under classman ahead of seniors. This provides opportunity for students to become preparatory and achieve industry and/or KOSSA credential. Accept new seniors only as a way to keep program off flagging list. Provide career pathways and student progression documents for counselors use during registration and ILP development.	Career Preparation/Orientation	09/01/2012	06/30/2014	\$0	Central Office Staff Principals
Monitor Career Pathway	Work with school and district administration to place all students on a career pathway. Work to change school culture to revolve around students using career pathways as a focal point for determining educational direction.	Career Preparation/Orientation	09/01/2012	06/30/2014	\$0	Central Office Staff, Principals
Career Pathway Emphasis	Area technology center staff will place emphasis on awareness of student progression through the career pathway and counsel students in next educational steps. ATC's will maintain a student technical transcript as indicated by program assessment standards.	Career Preparation/Orientation	09/01/2012	05/30/2014	\$0	Principals, teachers
Operation Preparation	OCTE staff and principals will actively participate in Operation Preparation.	Career Preparation/Orientation	03/01/2013	03/31/2013	\$0	Central Office Staff
Total					\$0	

Activity Summary by School

Below is a breakdown of activity by school.

All Schools

Activity Name	Activity Description	Activity Type	Begin Date	End Date	Resource Assigned	Staff Responsible
CCR Webcasts	Develop and provide webcasts for stakeholders to communicate CCR measures.	Career Preparation/Orientation	08/01/2012	06/30/2013	\$2000	Curriculum Branch
Technical Assistance Visit	During a team visit a review of CCR information, including improvement activities will be reviewed with the ATC principal.	Career Preparation/Orientation	10/01/2012	03/29/2013	\$100	Program Assessment Branch
Formative Assessment Process	Develop and implement formative assessments, at the course level, to monitor student progress toward meeting knowledge and skills requirements to pass industry certification and KOSSA exams. During 2012-2013 school year consultants will develop questions for each program area question bank. Question format will reflect the industry exams, KOSSA and/or WorkKeys assessment questions for program area. During the 2013-2014 school year formative assessments are administered for each program.	Career Preparation/Orientation	08/01/2012	06/30/2014	\$20000	Program consultants , teachers, curriculum committees
ILP Webcast	ILP webcast will be used by principals and teachers to communicate the value and use of career pathways in the ILP development.	Career Preparation/Orientation	09/01/2012	06/30/2014	\$200	Curriculum Branch, teachers, principals
Operation Preparation	OCTE staff and principals will actively participate in Operation Preparation.	Career Preparation/Orientation	03/01/2013	03/31/2013	\$0	Central Office Staff
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School Counselors	Work with counselors to enroll under classman ahead of seniors. This provides opportunity for students to become preparatory and achieve industry and/or KOSSA credential. Accept new seniors only as a way to keep program off flagging list. Provide career pathways and student progression documents for counselors use during registration and ILP development.	Career Preparation/Orientation	09/01/2012	06/30/2014	\$0	Central Office Staff Principals
Train staff in the new Teacher/Principal Effectiveness Model	Provide training to central office staff in the new teacher/principal effectiveness model by Spring 2013. During the 2013 summer program offer training to ATC principals. During the fall of 2013 have principals complete and pass the online training to be certified in the new teacher evaluation process. During the 2013-2014 school year provide training to teachers on the new teacher evaluation process.	Policy and Process	10/01/2012	06/30/2014	\$25000	Central office staff, principals, teachers
Curriculum Maps	Using the KY Tech Task List, curriculum maps will be developed or updated to align tasks with industry standards, Common Core State Standards and the Common Career and Technical Core. Include projects based on courses leading to industry certifications. Instructors incorporate projects that reflect the skills/tasks previously taught in the courses. Upon completion of a course student will be tested on knowledge and do a performance project proving attainment and mastery of technical tasks.	Academic Support Program	10/01/2012	06/30/2014	\$20000	Curriculum Consultants
Career and Technical Student Organizations	Projects based on student organization leadership development and competitive events are incorporated into the curriculum maps to enhance the student achievement and indicates how CTSO activities align with standards	Career Preparation/Orientation	10/01/2012	06/30/2014	\$10000	Curriculum Branch, teachers and curriculum committees
Lesson Plan Database	Review and revise all lessons in the Kentucky Tech lesson plan database. This review would bring content up-to-date, ensure CCSS, CCTC, KOSSA, KY Tech tasks and industry standards are current. Also a list of lesson plans needed to cover all content, KY Tech tasks, CCTC and KOSSA would be developed.	Academic Support Program	10/01/2012	06/30/2014	\$5000	Curriculum Branch, teachers
Total					\$84300	