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Gail White, Director
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TO: Camdenton R-III Board of Education

FROM: Gail White, Ed.D. *Gail White*

DATE: February 28, 2014

SUBJECT: FY 2015 Enhancement Grant

Attached please find the following with regards to the MO Department of Elementary and Secondary Education Vocational-Technical Education Enhancement Grant for Fiscal Year 2015:

- Application Form
- Statement(s) of Need
- Description(s) of Improvement
- Description of Evaluation System
- Expanding Program Proposal(s)
- EG FV4 – Spreadsheet

The goal of the grant is to expand and enhance the quality of Missouri's occupational preparatory (long-term) career education programs through improved alignment with business and industry occupational training needs, and increased emphasis on training in occupations that have been determined to be in critical shortage.

The Outstanding Schools Act of 1993 established provisions for the implementation of a grant award program. Only one grant award request is allowed per district. The funds requested are for both Camdenton High School and Lake Career & Technical Center's career and technical education (CTE) courses.

Grant funds may be expended for the following:

- Instructional Equipment (reimbursed at 75% by DESE)
 - Must be directly related to the occupational career education program. Must be tangible, nonexpendable property having a useful life of more than one year and an acquisition cost of \$200 or more per unit. May be replaced once every three years.

- Other (reimbursed at 50% by DESE) – no minimum cost except for student and instructor instructional furniture (workstations) and storage cabinets for program specific equipment.
 - Computer software or service contracts/maintenance agreements for program specific software, network/internet connections and installation costs.
 - Instructor training up to 25% of grant funds.
- Curriculum Enhancement (reimbursed at 50% by DESE)
 - Curriculum, videos, DVDs, reference sets, etc. with a minimum unit cost of \$200.
- Facility Improvement (reimbursed at 50% by DESE)
 - Renovation/modification of existing facilities up to 25% of the grant award. Expenditures are limited to materials.

High Demand Occupations are selected by the Department of Economic Development. Occupations chosen as high demand are those expected to have at least 50 job openings annually for the statewide listing and at least 15 job openings annually for a specific sub-state area. The Camdenton School District is in the Central Region.

The due date is March 27, 2014 and the award period is July 1, 2014 through May 15, 2015. Expenditures – or Purchase Orders – may not be made before the award notification is received by the district which often times is after July 1st.

These funds have greatly enhanced the career and technical education programs over the past 20 years for our school district and I wish to thank you for your support of the matching funds.

If you have questions about this grant, please contact me at your convenience.



MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION
OFFICE OF COLLEGE & CAREER READINESS – ADMINISTRATION & ACCOUNTABILITY

Application for Vocational-Technical Education Enhancement Grant Award

SCHOOL DISTRICT/COMMUNITY COLLEGE NAME Camdenton R-III Schools	COUNTY-DISTRICT CODE 015-002
DISTRICT/COMMUNITY COLLEGE CONTACT Gail S. White, Director - Lake Career & Technical Center	DISTRICT/COMMUNITY COLLEGE CONTACT PHONE NUMBER 573-346-9260 ext. 272
DISTRICT/COMMUNITY COLLEGE CONTACT EMAIL gwhite@camdentonschools.org	FORM DUE DATE March 27, 2014 @ 1:00 pm CDT

IMPORTANT DATES

GRANT APPLICATION DUE DATE: Requests for grant awards must be submitted by **EMAIL** no later than 4:00 p.m. on March 27, 2014 @ 1:00 pm CDT to enhancement@dese.mo.gov.
GRANT AWARD DATES: July 1, 2014 through May 15, 2015
DELIVERABLES: Reimbursement request (EG FV-2) for approved career education expenditures must be made by March 31, 2015.

ASSURANCES


The applicant assures that if funds are made available through the Vocational-Technical Education Enhancement Grant Award Program:

- A. Fiscal and property management control, and fund accounting procedures are in place and operational.
- B. Funds from local sources will be allocated and expended for instructional equipment for occupational career education programs as described in the grant proposal in an amount equal to or greater than twenty-five percent (25%) of the grant expenditure for this purpose.
- C. Funds from local sources will be allocated and expended for other allowable purposes than instructional equipment as delineated in the grant proposal in an amount equal to or greater than fifty percent (50%) of the grant expenditure for these purposes.
- D. Seventy-five percent (75%) of grant funds will be expended for new or existing occupational career education programs, curriculum enhancement, or instructional equipment that address high demand occupations.
- E. An advisory committee has been established and the names and affiliation of each member is available for review at the local level.
- F. The grant recipient will comply with all reporting requirements of the Department of Elementary and Secondary Education (Department) relating to this grant award program.
- G. Secondary student performance standards have been or will be established within the district that lead to or qualify students for graduation, and these standards will be revised to meet or exceed the standards adopted by the State Board of Education.
- H. Prior to the close of the fiscal year of the grant award, a plan will be developed, with the assistance of the prescribed advisory committee, to ensure that graduates proceed to a college or a high wage job with work place skill development opportunities (*applies only to local education agencies that have not previously received grant funds*).
- I. Prior to the close of the fiscal year of the grant award, a report will be forwarded to the Department describing the accomplishments made toward the implementation of the plan to ensure that graduates proceed to a college or a high wage job with work place skill development opportunities and any modifications to the initial plan (*applies only to local education agencies that have previously received grant funds*).
- J. Any facility improvement made available through the expenditure of grant funds will comply with all federal, state, and local building codes, and with the accessibility requirements specified by the Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973.
- K. All equipment purchases will be physically located in the instructional area approved in the grant application unless explicit approval is obtained under Department regulations regarding equipment disposition.
- L. Records for this grant will be kept for a period of three (3) years and provide such information as may be necessary for the fiscal program auditing and for program evaluation; the Department will be provided any information it may need to carry out its responsibilities under the programs.
- M. All grant funds will be incurred and expended, **not encumbered**, prior to March 31, 2015.

The applicant requests that the following amount of **state grant funds** be made available from the Department to implement the programs and/or activities described in the attached grant proposal: \$ 279,564

By submitting this application, the applicant assures a commitment to implement the improvements described in the attached grant proposal.

The board-authorized representative understands the assurances and the responsibility for compliance placed upon the applicant. The applicant will refund directly to the Department the amount of any funds made available to the applicant that may be determined by the Department, or an Auditor representing the Department, to have been misspent or otherwise misapplied.

SIGNATURE OF SUPERINTENDENT OR AUTHORIZED REPRESENTATIVE 	DATE 2/27/2014
SUPERINTENDENT OR AUTHORIZED REPRESENTATIVE EMAIL thadfield@camdentonschools.org	PHONE NUMBER 573-346-9213

The Department of Elementary and Secondary Education does not discriminate on the basis of race, color, religion, gender, national origin, age, or disability in its programs and activities. Inquiries related to Department programs and to the location of services, activities, and facilities that are accessible by persons with disabilities may be directed to the Jefferson State Office Building, Office of the General Counsel, Coordinator – Civil Rights Compliance (Title VI/Title IX/504/ADA/Age Act), 6th Floor, 205 Jefferson Street, P.O. Box 480, Jefferson City, MO 65102-0480; telephone number 573-526-4757 or TTY 800-735-2966; email civilrights@dese.mo.gov.

COMPONENTS OF APPLICATION

Enhancement Grant proposals must be submitted by **EMAIL** no later than 4:00 p.m. on March 27, 2014 @ 1:00 pm CDT to enhancement@dese.mo.gov and include the following components:

1. Signature of the Application for Vocational-Technical Education Enhancement Grant Award Assurances (page 1).
2. Statement(s) of Need
3. Description of Improvements
4. Description of Evaluation System
5. Copy of New or Expanding Program Proposal(s) – if applicable
6. EG FV-4

QUESTIONS: Contact Doug Sutton, Director at 573-526-2466 or by email at enhancement@dese.mo.gov.

APPLICATION ASSURANCES

By submitting the electronic signature on page one of the *Application for Vocational-Technical Education Enhancement Grant Award*, the LEA understands and agrees to the assurances and responsibility of the grant.

Save the Vocational-Technical Education Enhancement Grant Award document in the following format: County-District Code, App, two-digit year (Example: 115115 App 14). EMAIL the completed form by **March 27, 2014 @ 1:00 pm CDT** to enhancement@dese.mo.gov.

STATEMENT(S) OF NEED

Describe the need for improving each occupational preparatory (long-term) career education program operated by the institution for which grant funds are being requested. (**Attach as a Word document**)

Save the document in the following format: County-District Code, SN, two-digit year (Example: 115115 SN 14). EMAIL the completed form by **March 27, 2014 @ 1:00 pm CDT** to enhancement@dese.mo.gov.

DESCRIPTION OF IMPROVEMENTS

Describe the planned improvements to each existing and/or new occupational career education program operated by the institution that will be accomplished through the expenditure of grant funds. These descriptions must include an explanation of how the proposed improvements will satisfy the needs identified in the statement(s) of need. If facility improvements are anticipated, a detailed description of the anticipated renovation project(s) must be provided, including statements regarding the instructional impact of the project(s). The total amount of grant funds anticipated for facility improvement cannot be more than twenty-five percent (25%) of the total grant funds requested. (**Attach as a Word document**)

Save the document in the following format: County-District Code, DI, two-digit year (Example: 115115 DI 14). EMAIL the completed form by **March 27, 2014 @ 1:00 pm CDT** to enhancement@dese.mo.gov.

DESCRIPTION OF EVALUATION SYSTEM

Describe the local evaluation system that will determine whether the improvements implemented through the use of grant funds had a positive influence upon the identified need(s). (**Attach as a Word document**)

Save the document in the following format: County-District Code, EV, two-digit year (Example: 115115 EVL 14). EMAIL the completed form by **March 27, 2014 @ 1:00 pm CDT** to enhancement@dese.mo.gov.

BUDGET

EG FV-4 form must be completed for each occupational career education program by CIP code for which grant funds are being requested. The detailed, line-item budget of anticipated expenditures must be grouped in four major categories (equipment, software/other, curriculum, and renovations). Refer to the EG FV-4 Instructions in the Vocational-Technical Education Enhancement Grant Award Program's *Administrative Planning Guide Fiscal Year 2014* to assist in completing the form.

Save the document in the following format: County-District Code, EGFV4, two-digit year (Example: 115115 EGFV4 14). EMAIL the completed form by **March 27, 2014 @ 1:00 pm CDT** to enhancement@dese.mo.gov.

EXPENDITURES

EG FV-2 form must be completed to receive reimbursement on all grant approved career education expenditures. Refer to the EG FV-2 Instructions in the Vocational-Technical Education Enhancement Grant Award Program's *Administrative Planning Guide Fiscal Year 2015* to assist in completing the form.

Save the document in the following format: County-District Code, EGFV2, two-digit year (Example: 115115 EGFV2 14). EMAIL the completed form by **March 31, 2015** to enhancement@dese.mo.gov.

015002 – Camdenton R-III Schools

A. STATEMENT(S) OF NEED

The slogan of the Camdenton R-III School District is *Everyone Learning Every Day*. The mission: To create a learning community that maximizes each individual's performance for future success – is supported by both Lake Career & Technical Center (LCTC) and Camdenton High School (CHS) and it is our belief that all persons should have the opportunity to prepare themselves for socially gainful employment and live a useful and self-satisfying life. Instructional programs strive to provide the opportunity to develop saleable skills, attitudes, and knowledge in order for the students to continue their education or acquire a job and advance in their chosen career. Career and technical education at LCTC and CHS is an integral part of the total education program. By providing students with current technology, updated curriculum, and state-of-the art equipment, students completing programs at LCTC and/or CHS will be more competitive and better equipped when entering the job market and/or continuing their education.

The quality of a world-class workforce depends on career and technical education programs that are aligned with business and industry standards. However, a deficiency is evident throughout Missouri and the Lake of the Ozarks region. Obtaining enhancement grant funds for instructional equipment, software, curriculum enhancement, and renovations is one avenue to take in helping provide employees for the high demand occupations and/or promote continuing education that currently exist throughout Missouri and the Central Region.

Recent advisory committee meetings have led to the conclusion that for students to compete in the job market, they must have at their disposal modern, up-to-date

equipment and methods utilized in industry. Each industry wants to grow, expand, and recruit qualified people from the region. Career and technical education must provide the leadership necessary to fill these employment demands.

The training programs in Agricultural Education: Ag. Business, Turf Management, Landscaping, and Greenhouse Management; Business Education and Marketing Education: Accounting, Computer Applications and Marketing/Entrepreneurship; Health Sciences; Occupational Family Consumer Sciences and Human Services: Culinary Arts and Career Pathways for Teaching Profession; and Skilled Technical Sciences: Automotive Technology; Building Trades; Computer Technology; Law Enforcement; and Metal Fabrication are all examples of high demand occupational training programs in need of instructional equipment, software, curriculum enhancement, and renovations. These programs are high demand based on the information provided in this grant.

The entire grant funds will be expended for instructional equipment, other/ software, curriculum enhancement, and renovations in high demand occupations. The Camdenton R-III School District is committed to meeting the necessary matching funds for the Vocational-Technical Education Enhancement Grant Award Program.

The vision is, **“Lake Career & Technical Center promotes developing skills for a lifetime”**. The very heart of concern for staying current in fields in which students are trained is the ability to have access to equipment and training aids which reflect what business and industry utilizes. The instructional equipment and “other” categories being requested is an endeavor to stay current in the many different types of occupations

students will encounter and an attempt to give them a basis with which to work and lead successful, productive lives.

Agricultural Education – Greenhouse, Turf & Landscaping: Equipment requested for the Greenhouse/Turf & Landscaping curriculum is needed in order to teach students how to use industry-like products. The “greenskeeping” industry around the Lake of the Ozarks is continuing to grow and prosper. The equipment requested would enhance the instructional process as well as provide students in the Horticulture/Agricultural program the tools that professionals utilize in the field. The laptops are a replacement to the mobile lab purchased several years ago.

Agricultural Education – Agri. Business: During the 2008-2009 school year, an additional course for ag. business – coupled with animal science and processing – was implemented. Equipment requested will meet the high demand agriculture occupations for retail salespersons. Students will be able to apply their knowledge across many areas of agriculture business from retail sales to financial management. The technology (laptops) requested are a replacement for the mobile computer lab utilized by both instructors. The renovations will assist the Supervised Agricultural Experience and FFA portion of the curriculum. There is definite support for the Agriculture program at LCTC by both the district and the community.

Business Education – Accounting & Computer Applications: With the inclusion of Camdenton High School business courses, the equipment requested would go to enhance the labs in the state-of-the-art high school that opened in the fall of 2007. With the 2007-2008 school year, all business courses were moved to Camdenton High School.

Equipment requested will allow these programs to continue staying current for the numerous students that are served.

Health Sciences – Health Aide/Health Occupations I & II: Equipment and curriculum requested for the Health Sciences program will allow students the opportunity to use current materials and equipment that mirrors the industry. The scales will be used during the instructional process so all students will be able to access apparatus similar to what he/she will encounter in the clinical experience. The additional technology (infrastructure) and mobile computer lab upgrades are necessary to move towards “Bring Your Own Device” and for those who do not have their own device and will utilize school equipment.

Marketing Education: Additional technology is needed in order for students to be competitive and become familiar with all aspects of the marketing field. Students will utilize the tablets to master Power Standards as well as be competitive at DECA conferences/competitions. In the highly competitive marketing profession it is imperative students have knowledge and training in using a variety of equipment.

Occupational Family Consumer Sciences and Human Services – Culinary Arts: This program was the first secondary program in Missouri to receive validation through ACCESS ACF (American Culinary Federation). The third review was held in the fall of 2011 and the program has maintained the certification via a yearly self-review. Equipment requested will replicate what industry is currently using and the students will be better prepared to enter the culinary field or continue his/her education.

Occupational Family Consumer Sciences and Human Services – Career Pathways for Teaching Profession: Teacher Education is a relatively new career and technical

education program in the district. There are many professionals at Camdenton who graduated from the local high school and have returned to be teachers in their hometown. The technology being requested will be utilized within the curriculum to assist in lesson delivery by the students and instructor in order to continue to inspire individuals to become educators and perhaps return to the lake area to have a fulfilling career.

Skilled Technical Sciences - Automotive Technology: The equipment requested for this program reflects the NATEF/ASE recertification conducted in the spring of 2010. The program met the strict industry standards required for certification in the areas of Brakes, Electrical/Electronic Systems, Engine Performance, and Suspension & Steering. NATEF/ASE team members and the advisory committee indicate that to maintain the standards of the automotive industry the requests for equipment and Mitchell on Demand listed are necessary.

Skilled Technical Sciences - Building Trades: This program at Lake Career & Technical Center addresses the high demand occupational area of carpenters throughout the entire state of Missouri. The continuous need to upgrade equipment is largely based upon student interest of this program. During the 2007-2008 school year, an additional part-time instructor was added and the program was expanded. Requests made will allow students to experience using equipment the program currently does not possess. During the 2010-2011 year the lab was updated and expanded to allow for more students to take part in the construction sequence of courses.

Skilled Technical Sciences – Computer Technology/Integration: Information Technology careers are abundant. Students at LCTC receive training in such areas as A+ Certification, Net+, Home Technology Integration, and computer repair. There is a

cooperative spirit between the training program and the Computer Technicians at Camdenon R-III. Equipment requested would allow students the latest technology on which to train.

Skilled Technical Sciences – Law Enforcement: This is a brand new program for the 2014-2015 school year. The program was approved last year by DESE, but the district had a hiring freeze on additional staff. There has been strong support from the city, county, and state law enforcement officials to provide a training program. Both this and last year – through the after school program – there is a group of students – both elementary and secondary – who meet voluntarily two days a week to learn about the many opportunities there are in this field. Pre-enrollment has been completed and there is strong interest in this new program. This course will also be offered as a Dual Credit option with State Fair Community College. The area is currently being renovated to accommodate this program that will be state-of-the-art upon completion. Additional funds to equip this area are needed.

Skilled Technical Sciences - Metal Fabrication: The Metal Fabrication program includes both welding and machine tool in the training facility. In an effort to keep current with technology for instructional purposes, equipment requested will be utilized for student learning. The CNC Lathe requested is a unique item to assist a local company who has recently indicated a need for trained workers. This particular business is expanding and a great opportunity to partner with a machining company in the local area.

B. DESCRIPTION(S) OF IMPROVEMENTS

Agricultural Education – Greenhouse, Turf & Landscaping: The equipment requested will enhance instruction by incorporating more industry specific tools as well as technology into the learning process. Specific requests for the “green” classes offered and the Power Standards include:

- The propagation system will assist in students mastering seed propagation as well as vegetative concepts. The system provides a means for quick and sure germination. It may be used anywhere and is waterproof as well as impervious to soil, chemicals, and fertilizers.
- The GPS systems support learning standards in the Conservation of Natural Resources curriculum – which is a stand-alone course taught on a rotation.
- The laptops and Smart Lightraise with speakers will address many standards as well as record books, developing a resume, completing on-line applications, and research.

Agricultural Education – Agri. Business: The funds requested are to acquire additional technology and renovations within the agriculture program. Equipment requested will support the Agri. Business and animal aspect of the agriculture program. The additional laptops will round out the mobile lab upgrade.

- The laptops and Smart Lightraise with speakers will address many standards as well as record books, developing a resume, completing on-line applications, and research.
- The requested heaters are for renovations to an existing structure. Along with the Agri. Business curriculum, care of animals and Supervised Agriculture Experience

projects are located in this facility. Standards addressed would include management of pigs, cows, and sheep.

Business Education – Accounting & Computer Applications: With the merging of the career center and comprehensive high school programs several years ago, the equipment requested addresses many learner expectations and Power Standards identified for students to be well versed in the field of business effectively. Listed are the essential outcomes that the requested equipment (both hardware and software) will address:

- Computer/Monitor will replace the older desktop computer for instructional purposes. It addresses the Power Standard of “design and plan effective web pages” for the Web Page/Computer Applications courses.
- Accounting software requested – QuickBooks – and the Microsoft Surface Pro 2 with docking stations and tablet cart will be utilized for the Power Standard “apply the accounting cycle using an automated simulation”.

Health Sciences – Health Occupations I & II: Beginning with the 2006-2007 school year, there was such demand for the health care program that an additional half-time instructor was added. Pre-enrollment figures for 2007-2008 indicated a continued need for the program and a full-time position was created. LCTC has supported a second full-time Health Sciences instructor for several years. Equipment and technology requested reflects the need to serve the students in the Health Sciences field. Description of the equipment and the Power Standards addressed include:

- The scales will be used to measure height and weight. Power Standards include knowledge of personal care and is a Certified Nurse Assistant skill.

- The additional laptops are being requested to replace two dated mobile labs that are utilized throughout the building – but predominantly by the Health Sciences program which consists of two instructors. The Smart Lightraise with anchor speakers will replace older multimedia projectors in the classroom.
- Network upgrades and wireless coverage are being requested in order to have the capability of every students having their own device (personal or district purchased for those who do not have their own).

Marketing Education: Creative electronic marketing is here to stay. More and more business people prepare presentations into the marketing process to communicate visually. Microsoft Surface Pro 2 with docking stations and tablet cart are being requested for use with the Entrepreneurship course. The Power Standard of “identify the main reasons for business failure in our private free enterprise system” will be addressed utilizing this technology.

Occupational Family Consumer Sciences and Human Services – Culinary Arts: The equipment requested (and standards addressed) for the ACF validated program includes:

- **Combi Oven – Food Preparation:** Develop skills in knife, tool, and equipment handling, and apply principles of food preparation to produce a variety of foods and demonstrate how to read and follow a standard recipe.
- **Banquet Service Equipment – Sanitation and Safety:** Identify the basic principles of sanitation, and be able to apply them in the foodservice operations. Dining Room Service – Demonstrate the general rules of table settings and service.

- The Smart Lightraise with anchor speakers replaces older technology in the classroom.

Occupational Family Consumer Sciences and Human Services – Career Pathways for Teaching Profession: The technology being requested addresses many Power Standards in the Introduction to Teaching, Foundations of Education, and Teacher Education courses. The current projector and screen are dated and the Smart Lightraise with anchor speakers will replace the existing equipment. Power Standards addressed will include:

- Human/Child Development – Multimedia presentation over the *Hurried Child* book.
- Governing Public Education – Research with presentation on school board responsibilities.
- Prepare and Deliver Lessons in a Classroom Setting – Research on state standards to coincide with the typed lesson plan.

Skilled Technical Sciences – Automotive Technology: The expenditures for the Auto Tech program includes the annual update for Mitchell on Demand, car jack, wheel dolly, and torque wrench. These requests support the competencies taught that appear on the NATEF task list. Examples include: General Engine Diagnosis; Removal and Reinstallation; Cylinder Head and Valve Train Diagnosis and Repair; and Engine Block Diagnosis and Repair. Suspension and Steering: Suspension Systems Diagnosis and Repair: Front and Rear Suspensions; Wheel Alignment Diagnosis, Adjustment, and Repair; and Wheel and Tire Diagnosis and Repair.

Skilled Technical Sciences – Building Trades/Carpentry: Even during these economic times, the construction industry is improving at the Lake of the Ozarks. For

students to master a competency at the level expected by employers, they need access to equipment that also meets employers' expectations. The acquisition of the requested industry-standard equipment gives students that opportunity. Equipment needed to enhance the program includes:

- The framing nailers will be used to construct both interior and exterior walls, trusses and the roof. Objectives include demonstrate appropriate safety practices while using power and hand tools as well as the above mentioned.
- The current projector and screen are dated and the Smart Lightraise with anchor speakers will replace the existing equipment for instructional enhancement.
- With the addition of a sawmill and kiln, students will be able to start working with wood at the very beginning of the process. They will learn the proper methods of cutting logs, drying green lumber, designing projects, and the building with the lumber they have milled and dried. This will aid the program in being self-sustaining. Students will receive instruction on how to safely use the sawmill and how to properly mill a log as well as the different methods for quarter, rift, and flat sawing. They will be able to survey the types of trees and their availability in the area. Students will learn how to stack lumber for drying, controlling air flow through baffling, and how to monitor and adjust the humidity for proper drying.

In order to have a scope and sequence within the construction field, a one-hour and two-hour component is now being offered. Previously the lab was upgraded to accommodate the additional course offerings and opportunities for students. The carpentry component of the construction program offers instruction in design and

construction techniques, tool and machine maintenance, finishing procedures, problem solving, blueprint reading, safe operation of tools and equipment, and estimating cost and materials. The class is taught through projects and mock-ups as well as going on location of the current construction project. Areas studied include building fundamentals, cabinet-making, and carpentry skills within the residential building industry. Students gain realistic, practical experience by working on a variety of actual carpentry projects. Technology, math, and communication skills, as they relate to the industry, are taught throughout the course.

Skilled Technical Sciences – Computer Technology/Integration: To keep current in the field, additional equipment to enhance the program and provide a more rounded educational opportunity for students interested in the computer field is being requested.

- The JDS Homerunner RBI Automation Wireless Router is needed to upgrade the home automation to include wireless.
- The A/V control unit interfaces with the JDS system and converts Wi-Fi to infrared to control audio and video equipment remotely.
- Additional network storage for student projects.
- Next generation BoeBots – which would be an upgrade.
- The HDMI transmitter/receiver set will allow students to send digital sound and video wirelessly.
- The 5.1 speaker set will be added to the multiroom A/V receiver purchased this past year and enhance the system.
- Windows 8 Pro 64-bit will be used to all students newer technology.

- The GTX 750 GPU is a high performance display adapter that will be used to illustrate performance gain.
- The solid state drive will soon replace the hard disk.
- The computer and Smart Lightraise with anchor speakers are being requested to replace older technology that will be used for instructional purposes.

These pieces of equipment will enhance the curriculum and experiences for the students.

Skilled Technical Sciences – Law Enforcement: This is a brand new program beginning with the 2014-2015 school year. The program was approved last year, but due to a hiring freeze for new positions, an instructor was not hired.

The program goal is to provide students with basic knowledge of law enforcement/police science and to prepare them for continuing education or employment in a related field. Dual Credit through State Fair Community College will be available. All requests (equipment, curriculum, software/other) will be utilized to start these courses.

Program Objectives that the requested equipment supports are:

- Provide students' knowledge of law enforcement/police science occupations;
- Provide students the opportunity to explore various occupations related to the field of law enforcement/police science;
- Provide students the opportunity to receive CPR certification, Basic First Aid certification, and First Responder certification;
- Provide students the opportunity to develop leadership skills through participation in SkillsUSA; and

- Prepare students for continuing education or employment in the law enforcement/police science field.

The major units of study will include:

- Introduction to Law Enforcement/Police Science/Criminal Justice
- Interpersonal Skills
- Legal Studies: Criminal Law, Civil Code, and Constitutional Law
- Technical Studies: Criminal Investigation and Patrol Theories
- Report Writing
- Case and Trial Preparation
- Emergency Management
- Probation and Parole
- Skill Development & Defensive Tactics
- Pre-Employment and Work Ethics

Skilled Technical Sciences – Metal Fabrication: The Metal Fabrication program incorporates both Welding and Machining. The request includes:

- Career Safe: Demonstrate proper safety procedures.
- Mastercam software will address: design a part; the basic use of Mastercam; program basic part from a blueprint; and select tool path.
- CNC Lathe: Load and machine parts with a CNC.
- Digimatic Height Gage: Use hand tools to manufacture/repair parts.
- The current projector and screen are dated and the Smart Lightraise with anchor speakers will replace the existing equipment for instructional enhancement.

C. LOCAL EVALUATION SYSTEM

The evaluation system that will be used to determine the positive influence the grant money has had will focus on Power Standard attainment (assessments tracked through the student management system via the gradebook), Industry Recognized Credentials, Technical Skills Attainment assessments, and Graduate Follow-Up results.

Power Standards have been identified for all career and technical education courses at Camdenton R-III. Technical Skills Assessments are currently being implemented as identified in the Perkins IV plan. The goal for all programs is to have 80% of the students demonstrate mastery at a minimum of 80% or show a 25% growth between pre- and post-assessment of the Power Standards as identified by the instructor and his/her advisory committee. The Power Standards have been correlated with the Show-Me Standards as well as Grade/Course Level Expectations and are reviewed yearly by advisory committee members. Missouri Learning Standards/Core Academic Standards are also being aligned and implemented in the existing curriculum. These reports can be generated through the student management system (SIS K-12) utilizing Pulse.

The general quality of exiting students will be improved as demonstrated by their ability to qualify for entry-level jobs related to their training, continue their education, or enlist in the military. Pre-employment competencies have been implemented into the curriculum throughout all programs. The goal is to increase the related placement of programs that receive grant funds. This will be monitored through the use of the Graduate Follow-Up reports.

	Automotive Technology	12-Software/Other	Mitchell on Demand				
Dennis Perkins	Automotive Technology	12-Software/Other	Mitchell on Demand	1	\$1,200	\$1,200	\$600
Dennis Perkins	Automotive Technology	11-Equipment	Car Jack 2 1/2 ton	1	\$345	\$345	\$259
Dennis Perkins	Automotive Technology	11-Equipment	Wheel Dolly	4	\$270	\$1,080	\$810
Dennis Perkins	Automotive Technology	11-Equipment	Torque Wrench	1	\$320	\$320	\$240
Robert Hayes	Metal Fabrication (Machine Tool)	11-Equipment	CNC Lathe	1	\$66,475	\$66,475	\$49,856
Robert Hayes	Metal Fabrication (Machine Tool)	11-Equipment	Digimatic Height Gage	1	\$1,400	\$1,400	\$1,050
Robert Hayes	Metal Fabrication (Machine Tool)	12-Software/Other	Mastercam Upgrade	4	\$300	\$1,200	\$600
Robert Hayes	Metal Fabrication (Machine Tool)	12-Software/Other	Career Safe	15	\$35	\$525	\$263
Robert Hayes	Metal Fabrication (Machine Tool)	11-Equipment	Smart Lightraise w/Anchor Speakers	1	\$2,000	\$2,000	\$1,500
Larry Alman	Building Trades	11-Equipment	Smart Lightraise w/ Anchor Speakers	1	\$2,000	\$2,000	\$1,500
Allman/Bearden	Building Trades	11-Equipment	Sawmill	1	\$15,000	\$15,000	\$11,250
Allman/Bearden	Building Trades	11-Equipment	Kiln	1	\$7,000	\$7,000	\$5,250
Allman/Bearden	Building Trades	11-Equipment	Framing Nailer	2	\$400	\$800	\$600
Dale Lynn Cramer	Computer Repair - Smart Techn	11-Equipment	Smart Lightraise w/ Anchor Speakers	1	\$2,000	\$2,000	\$1,500
Dale Lynn Cramer	Computer Repair - Smart Techn	11-Equipment	PC	1	\$1,000	\$1,000	\$750
Dale Lynn Cramer	Computer Repair - Smart Techn	11-Equipment	Router	1	\$500	\$500	\$375
Dale Lynn Cramer	Computer Repair - Smart Techn	11-Equipment	A/V Control Unit	1	\$200	\$200	\$150
Dale Lynn Cramer	Computer Repair - Smart Techn	11-Equipment	Drivestation 4TB Device	1	\$210	\$210	\$158
Dale Lynn Cramer	Computer Repair - Smart Techn	11-Equipment	Activity Bot Robots	16	\$200	\$3,200	\$2,400
Dale Lynn Cramer	Computer Repair - Smart Techn	11-Equipment	HDMI Trans/Receiver	1	\$205	\$205	\$154
Dale Lynn Cramer	Computer Repair - Smart Techn	11-Equipment	Cinema 5.1 Speakers	1	\$300	\$300	\$225
Dale Lynn Cramer	Computer Repair - Smart Techn	12-Software/Other	Windows 8 64 Pro Bit	20	\$60	\$1,200	\$600
Dale Lynn Cramer	Computer Repair - Smart Techn	11-Equipment	GeForect GTX 750 GPS	1	\$250	\$250	\$188
Dale Lynn Cramer	Computer Repair - Smart Techn	11-Equipment	Solid State Hard Drive 240 GB	1	\$200	\$200	\$150
New Position	Law Enforcement	62-Curriculum	Forensic Science Virtual Course Master Lab C	18	\$35	\$630	\$315
New Position	Law Enforcement	62-Curriculum	Forensic Science Fundamentals	20	\$105	\$2,100	\$1,050
New Position	Law Enforcement	12-Software/Other	Stereoscope Cabinets	1	\$1,200	\$1,200	\$600
New Position	Law Enforcement	12-Software/Other	Cabinets to Store Program Specific Items	2	\$500	\$1,000	\$500
New Position	Law Enforcement	62-Curriculum	Blue Book of State Statues	1	\$200	\$200	\$100
New Position	Law Enforcement	11-Equipment	Laptops for Students	4	\$500	\$2,000	\$1,500
New Position	Law Enforcement	11-Equipment	HP 4525 DN Color Laser Printer	1	\$1,510	\$1,510	\$1,133
New Position	Law Enforcement	11-Equipment	Digital Camera	1	\$350	\$350	\$263
New Position	Law Enforcement	11-Equipment	Handcuff - Classroom Set	1	\$300	\$300	\$225
New Position	Law Enforcement	11-Equipment	Radios	10	\$300	\$3,000	\$2,250
New Position	Law Enforcement	11-Equipment	Flashlights	10	\$225	\$2,250	\$1,688
New Position	Law Enforcement	11-Equipment	Bullet Projectile Set	5	\$215	\$1,075	\$806
New Position	Law Enforcement	11-Equipment	Pupil Cam	1	\$750	\$750	\$563

New Position	Law Enforcement	11-Equipment	Tripod	1	\$250	\$250	\$188
New Position	Law Enforcement	11-Equipment	Vision Scope	1	\$450	\$450	\$338
New Position	Law Enforcement	11-Equipment	Stereoscope Comprehensive	10	\$450	\$4,500	\$3,375
New Position	Law Enforcement	11-Equipment	Gun Shot Projectile Set	1	\$400	\$400	\$300
New Position	Law Enforcement	11-Equipment	Comparison Microscope	1	\$2,225	\$2,225	\$1,669
New Position	Law Enforcement	62-Curriculum	Master Castin Set	10	\$300	\$3,000	\$1,500
New Position	Law Enforcement	62-Curriculum	Master Crime Scene Set	10	\$375	\$3,750	\$1,875
New Position	Law Enforcement	62-Curriculum	Master Crime Scene Supplement Set	10	\$375	\$3,750	\$1,875
New Position	Law Enforcement	62-Curriculum	Master Fingerprinting Kits	10	\$275	\$2,750	\$1,375
New Position	Law Enforcement	11-Equipment	Red Guns - Classroom Set	1	\$600	\$600	\$450
New Position	Law Enforcement	11-Equipment	Duty Belt Set	1	\$500	\$500	\$375
New Position	Law Enforcement	11-Equipment	Handtools w/ Tool Box	10	\$200	\$2,000	\$1,500
New Position	Law Enforcement	62-Curriculum	Advanced Fingerprinting Sets	10	\$350	\$3,500	\$1,750
Jerri Webb	Health Sciences (Health Occupa	11-Equipment	Laptops - Students	16	\$1,100	\$17,600	\$13,200
Jerri Webb	Health Sciences (Health Occupa	12-Software/Other	Network Upgrades to support 1:1/BYOD	1	\$34,100	\$34,100	\$17,050
Jerri Webb	Health Sciences (Health Occupa	11-Equipment	Smart Lightraise w/Anchor Speakers	1	\$2,000	\$2,000	\$1,500
Amy Wackerman	Health Sciences (Health Occupa	11-Equipment	Smart Lightraise w/Anchor Speakers	1	\$2,000	\$2,000	\$1,500
Amy Wackerman	Health Sciences (Health Occupa	11-Equipment	Laptop - Instructor	1	\$1,200	\$1,200	\$900
Amy Wackerman	Health Sciences (Health Occupa	11-Equipment	Laptops - Students	24	\$1,100	\$26,400	\$19,800
Amy Wackerman	Health Sciences (Health Occupa	11-Equipment	Scale	1	\$300	\$300	\$225
Amy Wackerman	Health Sciences (Health Occupa	12-Software/Other	Wireless 1:1 Coverage 22 APS	1	\$22,000	\$22,000	\$11,000
Jacqueline Wilson	Culinary Arts	11-Equipment	Oven	1	\$20,000	\$20,000	\$15,000
Jacqueline Wilson	Culinary Arts	11-Equipment	Smart Lightraise w/ Anchor Speakers	1	\$2,000	\$2,000	\$1,500
Jacqueline Wilson	Culinary Arts	11-Equipment	Banquet Service Equipment	1	\$1,500	\$1,500	\$1,125
Janene Rauba	Career Pathways for Teaching F	11-Equipment	Smart Lightraise w/ Anchor Speakers	1	\$2,000	\$2,000	\$1,500
Jeffrey Kitchen	Greenhouse Operations & Mgn	11-Equipment	Laptops - Students	13	\$1,100	\$14,300	\$10,725
Jeffrey Kitchen	Greenhouse Operations & Mgn	11-Equipment	GPS Units	20	\$200	\$4,000	\$3,000
Jeffrey Kitchen	Greenhouse Operations & Mgn	11-Equipment	Propagation System	1	\$4,000	\$4,000	\$3,000
Jeffrey Kitchen	Greenhouse Operations & Mgn	11-Equipment	Smart Lightraise w/Anchor Speakers	1	\$2,000	\$2,000	\$1,500
Cassie Wilmes	Ag. Food Science & Agr. Busine	11-Equipment	Smart Lightraise w/Anchor Speakers	1	\$2,000	\$2,000	\$1,500
Cassie Wilmes	Ag. Food Science & Agr. Busine	11-Equipment	Laptops - Students	12	\$1,100	\$13,200	\$9,900
Cassie Wilmes	Ag. Food Science & Agr. Busine	79-Renovations	Heaters	2	\$1,500	\$3,000	\$1,500
Amanda Crocker	Marketing	11-Equipment	Microsoft Surface Pro 2 w/ type cover	25	\$1,330	\$33,250	\$24,938
Amanda Crocker	Marketing	11-Equipment	Tablet Cart	1	\$3,000	\$3,000	\$2,250
Angela Sellers	Computer Applications	11-Equipment	Dell OptiPlex 2010	1	\$825	\$825	\$619
Angela Sellers	Computer Applications	11-Equipment	Planar PCT1785	1	\$705	\$705	\$529
Nancy Becker	Accounting	12-Software/Other	QuickBooks Site License	1	\$1,260	\$1,260	\$630
Nancy Becker	Accounting	11-Equipment	Microsoft Surface Pro 2 w/ type cover	25	\$1,330	\$33,250	\$24,938
Nancy Becker	Accounting	11-Equipment	Tablet Cart	1	\$3,000	\$3,000	\$2,250

Fiscal Year 2015
 Cty Dist Code 015002
 District Name Camdenon R-III School District
 Bldg Code 1100

Purpose	Estimated Expenditure	Estimated Reimbursement
11 - Equip (75%)	\$315,175	\$236,381
12 - Software/Other (50%)	\$63,685	\$31,843
62 - Curriculum (50%)	\$19,680	\$9,840
79 - Renovation (50%)	\$3,000	\$1,500
Estimated Grand Total	\$401,540	\$279,564

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