

CTST SAMPLE PROJECT DESCRIPTIONS

As part of the Career Technical Skills Training (CTST) submission process, centers are required to provide detailed project descriptions. The Outcome and Training Description should address the “who, what, where and how” of the training the students will perform. The narrative descriptions are to be inserted in the box labeled (Outcome and Training Descriptions Narrative) on each CTST project tab.

EXAMPLES:

“Female Dorm Light Fixture Replacement, Project ID 17-01” Amount: \$5,200

• **PROJECT DESCRIPTION:** The Electrician students propose to repair and/or replace fluorescent lighting fixtures throughout the female dorm (BLD #7), and remove and replace non-working fluorescent lamp ballasts, and replace lamps with energy-efficient T5 bulbs. Students will remove and replace broken light switches; and will install new receptacles, lights, and switches as required.

• **TRAINING DESCRIPTION:** The Electrician students will receive Occupational Safety and Health Administration (OSHA) 10 safety training, and will learn and demonstrate all jobsite safety. They will receive training in proper installation of light fixtures, receptacles and switches following all applicable local and National Electrical Codes (NEC). They will receive training in construction math, and demonstrate the proper use of hand and power tools and personal protective equipment (PPE). When completed with project, they will learn how to test circuits for proper operation, and will be able to explain lockout/tag out procedures. The students will learn and practice the Career Success Skills, as well as the employability skills needed to become successful in their personal and professional lives.

“Cement Mason Miscellaneous, Project ID 17-02” Amount: \$4,800

• **PROJECT DESCRIPTION:** The Cement Mason trade proposes to do a variety of concrete projects throughout the campus. This project will address problem areas where concrete walks, curbs and walls may need repair or replacement. These are projects of a small nature that do not require their own heading, but support the Academy's effort to maintain its facility, as well as support the community to include Construction Rehab projects, handicap access and parking, smoking areas; and support to the city/town/agency of XXXXX and Habitat for Humanity.

• **TRAINING DESCRIPTION:** The Cement Mason students will receive training in concrete patching and repair, placement, screening and finishing, layout and sub-grade prep, form work, tool and job safety; and a variety of challenges from planning and excavation, to forming and pouring. All projects will provide excellent training for the students. They will receive training in construction math, and demonstrate the proper use of hand and power tools, and PPE. The students will learn and practice the Career Success Skills, as well as the employability skills needed to become successful in their personal and professional lives.

“Outdoor Pavilion, Project ID 17-03” Amount: \$12,500

• **PROJECT DESCRIPTION:** The Carpentry students propose to construct a 24’ X 48’ pavilion. The location will be approximately 100 feet to the right of our gym (See footprint drawing attached). This will be a pressure treated wood structure with prefabricated engineered roof trusses, designed to code to handle the North East snow loads. Student will set concrete forms and pour a 24’ X 48’ X 6” concrete slab with reinforcement rod set to code. Students will screed and provide expansion joints as required. The Carpentry students will set 6 X 6 pressure-treated post every 8 feet with 2 X 10 double carrier’s for the rafters to set on. After rafters are set students will install purlins and metal roofing sheets. The Electrical students will install outdoor lighting using low energy LED lights throughout the ceiling area and will install solar lighting at ground level around perimeter of the pavilion (Engineered Blueprints of the pavilion are attached).

• **TRAINING DESCRIPTION:** The Carpentry students will receive OSHA 10 safety training, and will learn and demonstrate all jobsite safety. They will receive training in proper installation of concrete forms, setting of post and installation of roof rafters following all local, state and federal building codes. Electrician students will receive training on installation of light fixtures, receptacles and switches following all applicable local and NEC codes. They will receive training in construction math, and demonstrate the proper use of hand and power tools, and PPE. When completed with project, they will learn how to test circuits for proper operation, and will be able to explain lockout/tag out procedures. The students will learn and practice the Career Success Skills, as well as the employability skills needed to become successful in their personal and professional lives.