

Project:
Creative Teaching Sustained

PART A. APPLICANT INFORMATION

Name of jurisdiction or charter school (the applicant):

Boyle Street Education Centre

Lead contact: **Cliff Whitford**
 Title: **Projects Coordinator**
 Address: **10312 - 105 Street**
 Phone Number: **(780) 428-1420, Extension 221**
 E-mail: **cwhitford@bsec.ab.ca**

List of project team members, including a brief description of their roles, time devoted to project, experience, and planned contributions:

Name	Role	Time	Experience	Planned Contribution
Cliff Whitford	Project Coordinator	2 years	13 years	Coordinate all aspects of project including budgeting, monitoring and reporting.
Shirley Minard	Assistant Project Coordinator	200 hours (approx.)	11 years	Assist Project Coordinator in all aspects of project management when required.
Tim Christopherson	Project Assistant	200 Hours (approx.)	5 years	Maintain an ongoing inventory of all equipment and tools acquired through the project, ensuring OHS standards are met and/or exceeded. Also ensure the ongoing proper maintenance of all tools and equipment. Assist in project coordination and/or evaluation when required.
Sue Sych	Project Assistant	200 hours (approx.)	30 years	Maintain an ongoing inventory of all equipment and tools acquired through the project, ensuring OHS standards are met and/or exceeded. Also ensure the ongoing proper maintenance of all tools and equipment. Assist in project coordination and/or evaluation when required.

Funding Requested (\$100,000 - \$300,000 maximum): **\$169,114**

Description of monetary and/or in-kind contribution: **\$48,000**

Letter of support from senior official (or designate) for applicant:

Shirley Minard, Principal (Letter attached)

PART B. PROJECT DESCRIPTION

1. Rationale:

The **Creative Teaching Sustained Project** is intended to assist marginalized learners achieve success at the intermediate and advanced levels of CON, FOD, and COS clusters. For many of the students attending Boyle Street Education Centre (BSEC), success in academics has been minimal; however, success in CTS courses has been a growing trend. Professional recommendations to assist these learners in their plight to achieve some type of educational success through CTS have been fully embraced by BSEC Administration and Staff. The “Hands-on” experience of many of these students has proven to be a psychological boost to them which in turn is having a residual effect on how they do in their academic courses. Henceforth, success in education for these learners increases exponentially when success in one area transmits into success in other areas of their educational experience.

2. Objectives:

- To arm students with the basic tools needed to be successful at intermediate and advanced levels of CON, FOS, and COS through the allocation of a toolkit to each.
- To arm students with the basic tools needed to be successful with apprenticeship and post-secondary opportunities in CON, FOS, and COS through the allocation of a toolkit to each.
- Train students on proper tool organization and maintenance.
- Train students on tool and workplace safety.
- Train students on utilizing the tools of their chosen trade through classroom instruction and hands-on experience.
- Ensure student success through the utilization of specialized tools.
- Through the installation of a 2 Stage Cyclone Dust Collection System in the shop area, provide students with a more conducive healthier learning environment.

3. Description of Equipment and Tools:

The BSEC **CTS Project** will purchase the toolkits for benefit of enrolled students in the various clusters identified. Toolkits will be assembled with the following contents:

a) COS Toolkit (\$1291/unit):

- 1 Large tote bag
- 1 Long hair mannequins (Used for practicing styling, perming, and colouring)
- 2 Medium length mannequins
- 1 Tourmaline/Ceramic straightening iron
- 2 Curling irons with professional Marcel Grip (“3/4” and 5/8”)
- 1 Blow dryer
- Various combs (3 Wave combs, 3 tail combs, 2 foil combs, 2 wide tooth combs, 1 pick, 1 pick comb)
- Various brushes (1 Small and 1 large bristle brush, 1 7-row Denman, 1 vent brush, 3 round brushes (small, medium and large), 1 paddle brush)
- 1 pair Jaguar Comfort class offset shears
- 1 pair Dannyco offset thinning shears

- 1 Wayne Grund style razor and blades
- 1 Hand mirror
- 1 Spray bottle
- 1 Timer
- 1 box of du-all clips
- 1 set of clippers and trimmers
- 3 capes (cutting, chemical and comb-out)
- 2 smocks

b) FOD Toolkit (\$622/unit):

- Tool Box
- Paring Knife 3" Gourmet
- Cooks Knife 10" Grand Prix
- Super Slicer 10" Gourmet
- Boning Knife Grand Prix
- Straight Fork Grand Prix
- Sharpening Steel 10" Gourmet
- Spatula 10" Gourmet
- Butcher Knife Cimetar Messer Meister
- Double Baller Victorinox
- Zester Victorinox
- Channel Knife
- Fish Tweezers
- Braun Hand Blender

c) CON Toolkit (\$550/unit):

- Waterloo 3-in-1 Plastic Tool Box
- Kunys Carpenter Apron
- Pioneer 4 Piece Bevel Edge Chisel Set
- Woodstock Deluxe Sharpening Kit
- 29 Piece Carbon Steel Drill Bit Set
- Dewalt Heavy-Duty 3/8" Drill
- Pioneer 3" C-Clamp
- Pioneer 18" Ratchet Style Bar Clamp
- Pioneer 12 Piece File Set
- Pioneer 18" Goose Neck Wrecking Bar
- Channel-Lock 10" Pump Pliers
- Force #1 Robertson (Square) Bit 2 1/4" Hex Drive
- Force #1 Philips Bit 2 1/4" Hex Drive
- Fuller 10 Piece Screwdriver Set
- 16oz Claw Hammer
- Pioneer 3 Piece HD Nail Set
- 7 1/2" Diagonal Cutting Pliers
- Stanley RB5 Replaceable Blade Block Plane
- Force 8 Piece Knife Set
- Task 3oz Plumb Bob
- Sands 16" x 24" Steel Framing Square
- Pioneer 24" Box Beam Level

- Sands Combination Square
- Pioneer Chalk Line & Level Set
- Jet 5/8" Cold Chisel
- Pioneer 16ft/5m Tape Measure
- Fleece Lined Winter Work Gloves
- North Safety Green Hard Hat
- Corded Reusable Earplugs
- Pioneer Protective Glasses – Clear
- Jet 1/8" Centre Punch
- Pioneer 12" Multi-Purpose Backsaw
- Pioneer 18" Multi-Purpose Handsaw
- Fuller SwitchGrip Dual Jaw Pliers
- Safety Vest
- Steel-toed Boots

Other essential equipment required by the BSEC **CTS Project** will be:

d) Dust Collection System for Shop:

Product: **PIONEER 5HP, 3PH Tornado 2 Stage Dust Collector**

Description:

- 5 Horsepower, 34 amp, 3PH
- Precision balanced 14: aluminum impeller for smoother operation and minimal noise while being constructed of aluminum allows for greater heat dissipation and reduced fire hazard
- 3500cfm
- Static pressure 16"
- 90dB
- Direct drive
- Inlet one x 7" & three x 4"
- Outlet one x 5"
- Drum cover
- Filter bag diameter 19-5/8"
- Capacity 33 gallon
- Strap clamp for connecting filter bag and clear plastic bottom bag
- 1 Mobile drum base, 23" x 23" with four 2" swivel castors
- Dimensions: 65"w x 35-1/2"d x 106"h
- Shipping weight 185 kg (405lb)
- Shipping dimensions: 54" x 48" x 32"
- Delivery Extra
- (1) 55 gallon drum (extra)

SPECIFICATIONS

Air Flow Capacity	CWD 12-710 / 12-720 / 12-721 2200 cfm (3 HP) / 3500 cfm (5 HP)
Noise Rating	85 dB (3 HP) / 90 dB (5 HP)
Bag Capacity	33 gal. (3 HP) / 44 gal. (5 HP)
Bag Diameter	19-5/8" (3 HP) / 23-5/8" (5 HP)
Aluminum Impeller Blade	12" (3 HP) / 14" (5 HP)

Motor	3 HP (1 Ph) or 5 HP (1 Ph or 3 Ph)
Hose Port - inlet	1 x 7" (3 HP) / 1 x 9" (5 HP)
	3 x 4" (3 HP) / 4 x 4" (5 HP)
Machine Outlet (to Bag)	1 x 5" (3 HP and 5 HP)
Static Pressure in Water	14" (3 HP) / 16" (5 HP)
Shipping Weight	104 kg (3 HP) / 111 kg (5 HP)
Overall Dimensions	65"W x 35.5"D x 106"H

e) Miscellaneous Equipment

- Electrical Outlets on Pulley System from Ceiling
- Work Benches with Vices

NOTE: Telephone contact with the manufacturers indicates all tools and equipment exceed minimum standards in Canada and the USA. Unfortunately, documentation outlining consumer usability and ratings was not available through the manufacturer and are therefore unavailable to the applicant for purposes of this proposal as requested by Alberta Education and Skills Canada.

4. Project Sustainability:

The amount of toolkits to be purchased will be based on a period from September 2008 to July 2010, considering 60 students each 11 month year (20 each in COS, FOD, CON). Following the initial phase of the project in which grant funding is allocated, it is intended that BSEC will continue to commit to the sustainability of the project through:

a) Project evaluation

Project personnel will be responsible for determining the project's effectiveness through deliberate timed evaluation exercises. Pursuant to evaluation findings, expansion or downsizing of the project will take place and, when necessary, changes to the project will occur. This will ensure that the project's intended purposes are being met and that student participation in the project is having a positive effect on enhancing CTS programming.

b) Industry Networking

Project and school personnel will network and forge relationships with industry manufacturers and strategize ways of sustaining the continuance of the toolkit program through donations or special bulk product pricing. Recognition of industry manufacturer donations on a larger scale will occur through utilizing local media and other student-driven recognition exercises.

c) Private Sector Donations

In order to sustain grant-funded programming in schools, which have a timed existence; it is important that schools become involved in the private sector through finding private donors. Private donors will be asked to provide individual toolkits according to the lists outlined above or to provide cash contributions to purchase the toolkits. Recognition of private sector donations will occur through utilizing local media for larger donations or through recognition plaques for smaller donations.

d) Collaborations with First Nations, Metis and Inuit Community Organizations

This portion of the project will be applicable to First Nations, Metis and Inuit learners only. When applicable, project personnel will liaise with leaders from various First Nations, Metis and Inuit communities toward the purchase of toolkits

for individual BSEC learners from their respective communities. Project reporting as agreed between project personnel and the respective community organizations will occur on a case-by-case basis.

e) Recycling

As students complete apprenticeship or post-secondary opportunities and become subsequently employed, they will be asked to return useable toolkits back to the school, at which time the tools will be cleaned and reissued to new students entering into COS, CON and FOD courses. It is anticipated the tool recycling program will occur in 3-4 year cycles. Students benefiting from the toolkit program will also be encouraged to purchase and donate toolkits back to the program should their financial situations allow such.

Throughout the life of the **CTS Project**, Alberta Education and Skills Canada will also receive special recognition for their initial contribution to the **CTS Project**.

5. Evaluation:

The project will be evaluated through the means outlined on the following schedule:

Evaluation exercise	Date	Person(s) Responsible
A 25% sampling of project participant satisfaction will take place vis-à-vis survey	Feb. 2009	Projects Coordinator
A 25% sampling of project participant satisfaction will take place vis-à-vis survey	Jul. 2009	Projects Coordinator
Interim Report	Nov. 2009	All Team Members
A 25% sampling of project participant satisfaction will take place vis-à-vis survey	Feb. 2010	Projects Coordinator
A 25% sampling of project participant satisfaction will take place vis-à-vis survey	Jul. 2010	Projects Coordinator
Final Report	Nov. 2010	All Team Members

6. Technical Support/Training:

Through the Alberta Program of Studies, project participants will be required to undergo proper training in relation to the safe use and maintenance of tools to be utilized in their respective CTS courses. Once per year participants will be required to take specialized safety training in relation to their chosen trade. Professional Development Plans of team members will ensure they receive the training necessary to ensure all areas of program delivery are adhered to as per the program of studies. Professional Development Plans of all team members will be required on or before September 30th of each year throughout the life of the project. Project team members will meet with the school principal and project coordinator to evaluate whether or not their plans have had a positive effect on their program areas and the project in general. A more detailed schedule may be made available at the request of funding organizations.

7. Budget: (Based on a 2-year term)

Budget Proposal			Alberta Education Funding	Jurisdiction In-kind Contribution
Personnel	FTE	Cost/Unit	Subtotal:	Subtotal
Project Coordinator	1.0	48000/yr	84000	12000
Assistant Project Coordinator	.02	60/hr	0	12000
Project Assistant	.02	60/hr	0	12000
Project Assistant	.02	60/hr	0	12000
Professional Development and/or technical training w/assoc costs	Units	Cost/Unit	Subtotal:	Subtotal
Specialized Training (Project Coordinator)	4.0 (2 per year)	1000/PD	4000	0
Specialized Training (Assistant Project Coordinator)	4.0 (2 per year)	1000/PD	4000	0
Specialized Training (Project Assistant)	4.0 (2 per year)	1000/PD	4000	0
Specialized Training (Project Assistant)	4.0 (2 per year)	1000/PD	4000	0
Safety Training (Participants)	120	100/Student	12000	0
Equipment/Technology	No. Units	Cost/Unit	Subtotal:	Subtotal
COS Toolkits (includes delivery & GST)	20.0	1368.40/kit	27368	0
FOD Toolkits (includes delivery & GST)	20.0	659.30/kit	13186	0
CON Toolkits (includes delivery & GST)	20.0	550/kit	11660	0
Pioneer Tornado 2 Stage Dust Collector (includes delivery, installation & GST)	1.0	3500	3500	0
Work benches with vices (includes delivery & GST)	4.0	200/bench	800	0
Electrical Outlets on Pulley System from Ceiling (includes delivery, installation & GST)	1.0	600/all	600	0
Totals			169114	48000