

Career and Technology Studies

Provincial Professional Learning Opportunities

Summer 2010

Post Secondary Sessions – Spring and Summer 2010

These courses are designed to meet the needs of Alberta CTS teachers who would like to build on skills necessary to teach in a Career and Technology Studies (CTS) setting.

These courses have been generously subsidized by a grant from Alberta Education.

You may also qualify for additional assistance with expenses. Complete information is posted on the Central Alberta Regional Consortium website (CARC) at: http://www.carcpd.ab.ca/CTS_PD.html

*APPLY NOW for sponsorship – please see the attached application form or check out the website TODAY!

Grande Prairie Regional College

10726 106 Ave, Grande Prairie, AB T8V 4C4
 Department of Arts & Education
 Phone: 780.539.2995 Fax: 780.539.2732

EDCT2100 Teaching Power Tools and Processes (3 credits) 40 hours

This course covers the very basic skills required to teach introductory and intermediate level skills and processes in the materials areas, specifically woodworking and metal working. It also expands the student's basic skills in the areas of plastics, welding and ceramics. The course will teach the basic power tool operations in all materials and focuses on, but is not limited to, instruction in grades 6-11. A comprehensive review of teaching and learning resources and practices as well as project development and assessment will be undertaken. Emphasis will be on hazard identification, safe use and skill development as well as teaching strategies, safety instruction and record-keeping.

A project incorporating the use of nine stationary and five portable power tools will be the focal point along with hands-on tool and equipment maintenance.

Prerequisites: Only available to those already possessing Teaching Certificates, letter of authority or candidates for letter of authority.

EDCT 4000 Organizing for Instruction in Practical Arts/CTS Lab (3 credits) 40 hours

This course is a practical guide for teachers in a shop environment. You can be assured that you will come away with ideas and strategies to use immediately in your own shop this September! Whether you have been teaching in a shop for many years or just starting out, if you have trade skills and shop experience or very little training, this course will help you. Learn how to teach effectively in a shop, manage students and build a strong program.

Lethbridge College

3000 College Drive South, Lethbridge, T1K 1L4
 Phone: 800.572.0103 or 403.320.3200

HRH - Cake Decorating

½ Day Workshop – Proposed Date: June 22, 2010
8:30 am – 12:00 pm Limit: 12 participants

Please register before June 15, 2010

Registration Fee: \$35.00 per person (includes refreshments/snacks, cake, and cake decorations)

Who said you can't have your cake and eat it too? This half-day workshop offers the opportunity for participants to learn how to decorate "occasional" cakes. Specifically, participants will learn how to make butter cream icing, practice using different icing techniques, and decorate their cake with real flowers or butter cream decorations. Register for this workshop and leave with a wealth of knowledge and skills and a beautifully decorated cake, too!

TMT – Carpentry Workshop

1 Day Workshop

Proposed Date: Week of June 21-25

9:00 am – 4:00 pm

Registration Fee: \$60.00 (Includes Lunch)

On April 29th teachers who are involved in teaching CTS construction courses are welcome to attend an information session to determine the topics they would like to see presented at the June workshop. At this time, the instructor will be able to determine teachers' interests to best address the topics for the workshop. If you are unable to attend this information session and would like to have input into the topics that will be covered for this workshop, please contact Julie Boras at Julie.Boras@lethbridgecollege.ca before April 30th.

MDC – Fashion Studies

1 Day Workshop –

Proposed Date: Week of June 21-25

9:00 am – 4:00 pm

Registration Fee: \$60.00 (Includes Lunch)

On April 29th teachers who are involved in teaching CTS fashion studies courses are welcome to attend an information session to determine the topics they would like to see presented at the June workshop. At this time, the instructor will be able to determine teachers' interests to best address the topics for the workshop. If you are unable to attend this information session and would like to have input into the topics that will be covered for this workshop, please contact Julie Boras at Julie.Boras@lethbridgecollege.ca before April 30th.

MDC – Design Studies

1 Day Workshop

Proposed Date: Week of June 21-25

9:00 am – 4:00 pm

Registration Fee: \$60 (Includes Lunch)

On April 29th teachers who are involved in teaching CTS design studies courses are welcome to attend an information session to determine the topics they would like to see presented at the June workshop. At this time, the instructor will be able to determine teachers' interests to best address the topics for the workshop. If you are unable to attend this information session and would like to have input into the topics that will be covered for this workshop, please contact Julie Boras at Julie.Boras@lethbridgecollege.ca before April 30th.

MDC – Communication Technology

1 Day Workshop

Proposed Date: Week of June 21-25

9:00 am – 4:00 pm

Registration Fee: \$60.00 (Includes Lunch)

On April 29th teachers who are involved in teaching CTS communication technology courses are welcome to attend an information session to determine the topics they would like to see presented at the June workshop. At this time, the instructor will be able to determine teachers' interests to best address the topics for the workshop. If you are unable to attend this information session and would like to have input into the topics that will be covered for this workshop, please contact Julie Boras at Julie.Boras@lethbridgecollege.ca before April 30th.



NAIT - Northern Alberta Institute of Technology

11762 - 106 Street, Edmonton, T5G 2R1

To register for any of these programs, call 780.471.6248 or for more information visit the NAIT website at http://www.nait.ca/program_home_49904.htm or contact Laurie Halldorson at 780.378.5044, lhalldor@nait.ca



CTS Summer Institute Overview

The CTS Summer Institute will be delivered during a one week period to Career and Technology Studies (CTS) teachers. Course content includes information related to CTS Safety, the historical development of CTS, Project Management, and dealing effectively with special needs students, as well as instruction specific to Construction Fabrication, Food Studies, and Photography. Teachers who wish to register for either of these course streams must submit their active teacher certificate numbers and the school board they are employed with at time of registration. NAIT also offers a wide range of other continuing education courses. You can view these courses online at www.nait.ca/continuingeducation.

Auto Body Repair and Basic Refinishing

July 5 to 10, 2010

Mon to Fri, 8:30 am - 4:30 pm

Fee: \$825

Learn popular auto body repair techniques in a hands-on environment! This course is designed for the hobbyist or car enthusiast interested in repairing minor defects or undertaking restoration projects. Upon completion of the course, you should be able to take the knowledge gained and tackle your own project so that a vehicle can go to a body shop ready to paint, saving you a huge amount of money. Key topics that will be addressed include:

- ✂ how to manipulate and form metal to various shapes with hand tools
- ✂ the art of metal shrinking and stretching back to original shape
- ✂ how to create crown or design lines for strength of panels
- ✂ how to pick and file imperfections in panels with hand tools
- ✂ theory on proper sanding application
- ✂ proper application of cold fillers(bondo) to achieve a long lasting repair
- ✂ final preparation of a panel ready to paint at a body shop

All shop materials are provided, however, participants need to bring: hearing protection, safety glasses, leather gloves, steel toe cap boots and coveralls. Unfortunately, the learning environment can't accommodate students working on their own projects during the class.

CTS10 - CTS Summer Institute Construction Fabrication

July 5 to 9, 2010
Mon to Thu, 8:00 am - 4:30 pm and
Fri, 8:00 am – 1:00 pm
Fee: \$500

The Construction Fabrication summer course is designed for CTS teachers and will address issues related to safety in a construction fabrication shop. Along with basic project construction, the course will look at other aspects of the teaching profession. These include the instructor working with special needs students and aspects of Project Management related to the education environment. Over 20 hours are spent hands-on in the NAIT workshops constructing a variety of projects suitable to take back to the classroom. Participants will be evaluated on the quality of their completed shop projects and a project management charter. There will also be some quizzes and assignments throughout the week.

Prerequisite: Bachelor of Education Degree

CTS12 - CTS Summer Institute Construction Fabrication II

July 12 to 16
Mon to Thu, 8:00 am - 4:30 pm and
Fri, 8:00 am – 12:00 pm
Fee: \$500

This Construction Fabrication summer course is designed for CTS teachers at the Junior High or High School level and will provide the information required to address the specific areas identified in the CTS modules CON2130 through CON2180. The subject matter covered includes box construction, finishing & refinishing, frame & panel, web & face frame, and door & drawer construction. Most of this 30 hour course will be spent in the shop building projects designed to be taken back to the classroom. Evaluation will be based on the completed projects and class assignments.

Prerequisite: Bachelor of Education Degree & CTS10.

CTS20 - CTS Summer Institute Foods

July 5 to 9, 2010
Mon to Thu, 8:00 am - 4:30 pm and
Fri, 8:00 am - 1:00 pm
Fee: \$500

The Food Studies summer course is designed for CTS teachers looking to expand their knowledge on curriculum related to teaching Food Studies in a safe laboratory. Along with basic food content, the course will look at other aspects of the teaching profession. These include working with special needs students, nutrition and food safety and aspects of Project Management related to the education environment.

Over 20 hours are spent hands-on in the NAIT kitchens preparing hot foods, cold foods and desserts that will be suitable as junior high or high school classroom projects. Participants will be evaluated on the quality of their completed menu items and a project management charter. There will also be some quizzes and assignments throughout the week.

Prerequisite: Bachelor of Education Degree.

CTS22 - CTS Summer Institute Foods II

July 12 to 16, 2010
Mon to Thu, 8:00 am - 4:30 pm and
Fri, 8:00 am – 12:30 pm
Fee: \$500

This second level Summer Institute for foods teachers will cover the new curriculum elements while keeping a budget in mind. The focus will be on baking, pastries, and cold foods. We will be making Austrian (Croatian) strudel, choux paste and éclairs, cakes, French bread, and an assortment of canapés. The class will also touch on ideas in sandwiches, chocolate work, cake decorating, glazes, and different places to shop for food around town. Students should note that the entire time is spent in the kitchens so appropriate clothing and foot wear must be worn. This course is not designated as University credit transfer.

Prerequisite: Bachelor of Education Degree & CTS 20.

CTS30 CTS Summer Institute Photography/Video

July 5 to 9, 2010
Mon to Fri 8:30 am - 4:30 pm
Fee: \$450

This photography/video summer course is designed for CTS teachers looking to expand their knowledge on curriculum related to photography classes. The Photographic Component of this course (3 days) will include:

- an overview of digital photography and digital SLR operation (intermediate level), including:
- a thorough understanding of exposure mode choices;
- technical and aesthetic use of depth of field;
- technical and aesthetic control of motion (stopping action and intentional blur)
- use of different lenses, for practical and aesthetic reasons.
- Image processing/workflow issues related to digital imaging
- An emphasis on lighting for digital photography, including elements of natural light;
- use of portable/strobist flash;
- studio lighting involving multiple light sources; and
- lighting control applicable to portrait and / or still life situations.
- Photojournalism/event coverage appropriate to school situations.
- Compositional information and theme/assignment ideas suitable for classroom use.

The Video Content will include (2 Days)
 Video Production in Final Cut Pro doing:

- Scripting
- Writing
- Movie Making

Prerequisite: Bachelor of Education Degree.

* Students must supply their own digital SLR camera and know its basic operation.

Olds College

4500 50 Street, Olds, AB T4H 1R6 800.661.6537

Landscaping

Mon and Tues, August 16 & 17, 2010

Fee: TBA

For further information, contact Pat Bidart
Associate Vice-President, Academic, Olds College
403.556.8365

Are you a CTS teacher wanting to instruct Landscaping at your high school? This two day workshop will introduce teachers to the fundamentals of landscaping--offer some techniques and projects that you could introduce in the classroom. Teachers will go away with techniques and a list of materials they will need to start their CTS landscaping course.

Participants may stay on campus in residence.

Additional sessions are presently under development; please check the CTS Professional Development website for current information

http://www.carcpd.ab.ca/CTS_PD/index.html.

Click the Summer Learning tab.

Hort Week - Floral Design Schools!

July 18 – 23, 2010

Learn new skills, explore new ideas and renew your creativity at Hort Week Floral Design Schools. Whether you are looking for an exciting new career or you are a professional designer looking to broaden your skills and find inspiration, Hort Week has something for you. Come for a course, come for the week or come for the Floral Design Show, just don't miss the experience!

Call 1.800.661.6537 (ext.4677) for a brochure or visit

www.oldscollege.ca/hortweek

Red Deer College

100 College Boulevard, Red Deer AB T4N 5H5

RDC - Summer Teacher Training Courses

August 9 – Aug 19, 2010

Red Deer College - Residence available

CompTIA A+ Certification Training Course

August 9 – August 19, 2010

Mon to Fri, 9:00 am - 4:00 pm

Room 2601

Course Fee: \$1190.00 GST: \$59.50

Total Cost: \$1249.50

CompTIA A+ is the worldwide standard in Computer Technician Certification Training! Certification is the key to professional career enhancement for computer technicians, network engineers, software developers, web designers and professionals from all areas looking to expand their knowledge base in technology. CompTIA A+ is one of the most widely recognized certifications in the IT industry today. This course includes comprehensive instruction from a certified instructor. Course fees include CompTIA A+ official curriculum, technician's tool and accessory kit, and two exam vouchers.

Special Notes: This course is intended for teachers participating in the CTS Professional Development Summer Learning Programs.

For more information, please visit

http://www.carcpd.ab.ca/CTS_PD/summerLearning/bit.html

EDCT430: AST Level 1 CTS Teacher Education

Pre-Study: July 9 (Instructor available via email, phone, online)

On-campus: August 9 – 13, 2010

Times: On Campus: 8:30 am - 3:30 pm

Application & Registration Process:

(Phone 403.342.3400)

*Current RDC Students may register for the course online (<https://portal.rdc.ab.ca/cp/home/loginf>)

Course Fee: \$458.75 plus \$70.00 application fee for non-RDC students

This course is designed to meet the needs of teachers or B.Ed students who do not have a Trades credential (journey person) and who would like to build on skills necessary to teach in a Career and Technology Studies (CTS) mechanics setting. The course addresses specific CTS content using Apprenticeship Individual Learning modules (ILMs). The focus is on developing applicable automotive service skills, developing knowledge and skills regarding safety guidelines and regulations, and the development and assessment of projects suitable for shop use.

Note: You need to register early and order your modules. This course is a *blended learning* course; it is delivered partly through distance delivery and partly on campus. You will need to do approximately 15 - 20 hours of pre-study. This means that you need to order your Individual Learning Modules (ILMs) in advance. You can order these through the RDC bookstore by phoning 403.342.3396 and have them sent to you. You need to have completed the modules before the on-campus portion of the course.

The classroom portion of the course is an intense 30 hours in one week. You will be spending lots of time in a shop setting, learning the skills needed to guide students through hands-on projects. During this time you will be putting the theory into practice. Automotive Service Students will be expected to provide the following personal protective equipment:

- Safety glasses (CSA approved)
- Steel toed shoes/boots

University credit available

EDCT420: Carpentry Level 1 CTS Teacher Education

Pre-Study: July 9 (Instructor available via email, phone, online)

On-campus: August 9 – 13, 2010

Times: 8:30 am - 3:30 pm

Application & Registration Process:

(Phone 403.342.3400)

*Current RDC Students may register for the course online (<https://portal.rdc.ab.ca/cp/home/loginf>)

Course Fee: \$458.75 plus \$70.00 application fee for non-RDC students

This course is designed to meet the needs of teachers or B.Ed students who do not have a Trades credential (journey person) and who would like to build on skills necessary to teach in a Career and Technology Studies (CTS) construction technologies shop setting. The course addresses specific CTS content using Apprenticeship Individual Learning modules (ILMs). Topics covered by the ILMs include Work Site Safety, Fire Prevention and Control, Ladders and Scaffolds, Hand Tools, Cutters and Abrasives, and Drafting. The focus is on developing applicable carpentry skills, developing knowledge and skills regarding safety guidelines and regulations, and the development and assessment of projects suitable for shop use.

Note: You need to register early and order your modules. This course is a *blended learning* course; it is delivered partly through distance delivery and partly on campus. You will need to do approximately 15 - 20 hours of pre-study. This means that you need to order your Individual Learning Modules (ILMs) in advance. You can order these through the RDC bookstore by phoning 403.342.3396 and have them sent to you. You need to have completed the modules before the on-campus portion of the course.

The classroom portion of the course is an intense 30 hours in one week. You will be spending a lot of time in a shop setting, learning the skills needed to guide students through hands-on projects. During this time you will be putting the theory into practice. Carpentry Students will be expected to provide the following personal protective equipment:

- Safety glasses (CSA approved)
- Appropriate footwear for the shop (no sandals)

University credit available

EDCT421: Carpentry Level 2 CTS Teacher Education

Pre-Study: July 9 (Instructor available via email, phone, online)

On-campus: August 16 – 20, 2010

Times: 8:30 am - 3:30 pm

Application & Registration Process:

Phone 403.342.3400

*Current RDC Students may register for the course online (<https://portal.rdc.ab.ca/cp/home/loginf>)

Course Fee: \$458.75 plus \$70.00 application fee for non-RDC students

This course builds on the skills and knowledge developed in Carpentry Level 1. This course is designed to meet the needs of teachers or B.Ed students who do not have a Trades credential (journey person) and who would like to build on skills necessary to teach in a Career and Technology Studies (CTS) construction technologies shop setting. The course addresses specific CTS content using Apprenticeship Individual Learning modules (ILMs). Topics covered by the ILMs include Solid Wood Products and Joinery, Portable Power Tools, Stationary Power Tools, Pneumatic & Fuel Powered Tools, Calculate Perimeter and Pictorial Drawing and Sketching. The focus is on developing applicable carpentry skills, developing knowledge and skills re safety guidelines and regulations, and the development and assessment of projects suitable for shop use.

Prerequisite: EDCT420

Note: You need to register early and order your modules. This course is a *blended learning* course; it is delivered partly through distance delivery and partly on campus. You will need to do approximately 15 - 20 hours of pre-study. This means you need to order your Individual Learning Modules (ILMs) in advance. You can order these through the RDC bookstore by phoning 403.342.3396 and have them sent to you. You need to have completed the modules before the on-campus portion of the course.

The classroom portion of the course is an intense 30 hours in one week. You will be spending a lot of time in a shop setting, learning the skills needed to guide students through hands-on projects.

Carpentry Students will be expected to provide the following personal protective equipment:

- Safety glasses (CSA approved)
- Appropriate footwear for the shop (no sandals)

University credit available

EDCT 410: Welding Level 1 CTS Teacher Education

Pre-Study: July 9 (Instructor available via email, phone, online)

On-campus: August 9 – 13, 2010

Times: 8:30 am - 3:30 pm

Application & Registration Process:

Phone 403.342.3400

*Current RDC Students may register for the course online (<https://portal.rdc.ab.ca/cp/home/loginf>)

Course Fee: \$458.75 plus \$70.00 application fee for non-RDC students

This course is designed to meet the needs of teachers or B.Ed students who do not have a Trades credential (journey person) and who would like to build on skills necessary to teach in a Career and Technology Studies (CTS) fabrication shop setting. The course addresses specific CTS content using Apprenticeship Individual Learning modules (ILMs). Topics covered by the ILMs include apprenticeship orientation, safety, hand tools and power tools. The focus is on developing applicable welding skills, developing knowledge and skills re safety guidelines and regulations, and the development and assessment of projects suitable for shop use.

Note: You need to register early and order your modules. This course is a *blended learning* course; it is delivered partly through distance delivery and partly on campus. You will need to do approximately 15 - 20 hours of pre-study. This means that you need to order your Individual Learning Modules (ILMs) in advance. You can order these through the RDC bookstore by phoning 403.342.3396 and have them sent to you. You need to have completed the modules before the on-campus portion of the course.

The classroom portion of the course is an intense 30 hours in one week. You will be spending a lot of your time in a shop setting, learning the skills needed to guide students through hands-on projects.

Welding Students will be expected to provide the following personal protective equipment:

- Steel toed boots (CSA approved)
- Safety glasses (CSA approved)

If you have a welding helmet and gloves bring them with you but if you don't, we will supply these for your use.

University credit available

EDCT 411: Welding Level 2 CTS Teacher Education

Pre-Study: July 9 (Instructor available via email, phone, online)

On-campus: August 16 – 20, 2010

Times: 8:30 am - 3:30 pm

Application & Registration Process:

Phone 403.342.3400

*Current RDC Students may register for the course online (<https://portal.rdc.ab.ca/cp/home/loginf>)

Course Fee: \$458.75 plus \$70.00 application fee for non-RDC students

This course builds on the skills and knowledge developed in Welding Level 1. This course is designed to meet the needs of teachers or B.Ed. students who do not have a Trades credential (journey person) and who would like to build on skills necessary to teach in a Career and Technology Studies (CTS) fabrication shop setting. The course addresses specific CTS content using Apprenticeship Individual Learning modules (ILMs). Topics covered by the ILMs include Weld Faults, Welding Oxyfuel Equipment, Welding GMAW Equipment, Welding SMAW Equipment, and Math. The focus is on developing applicable welding skills, developing knowledge and skills re safety guidelines and regulations, and the development and assessment of projects suitable for shop use.

Pre-requisite: EDCT 410.

Note: You need to register early and order your modules. This course is a *blended learning* course; it is delivered partly through distance delivery and partly on campus. You will need to do approximately 15 - 20 hours of pre-study. This means that you need to order your Individual Learning Modules (ILMs) in advance. You can order these online through the RDC bookstore. You need to have completed the modules before the on-campus portion of the course.

Welding Students will be expected to provide the following personal protective equipment:

- Steel toed boots (CSA approved)
- Safety glasses (CSA approved)

If you have a welding helmet and gloves bring them with you but if you don't, we will supply these for your use.

University credit available

Adobe Photoshop

August 16 – August 18, 2010

Mon - Wed: 8:30 am - 4:30 pm (21 Hours)

Room 2913

Course Fee: \$295 GST: \$14.75 Total Cost: \$309.75

Adobe Photoshop is the industry standard imaging program for print, multimedia and online graphics. Learn the fundamentals of digital visual design. Topics include layout, composition, pixel theory, elements and colour. Basic Photoshop tools will be covered: palettes, scanning, digitizing, painting and editing,

resolution and re-sampling, using image adjustment and transformation tools, working with multi-layered images, setting preferences, and using masks and channels.

Prerequisite: Microsoft Windows experience.

Textbook: Participants to purchase *Adobe Photoshop Classroom in a Book* available at the RDC Bookstore.

Special Notes: This course is intended for teachers participating in the CTS Professional Development Summer Learning Programs.

For more information, please visit

http://www.carcpd.ab.ca/CTS_PD/summerLearning/bit.html

Web Design with Microsoft Expression Web 3.0

August 19 – August 20, 2010

Thurs - Fri: 9:00 am - 4:00 pm

Room 2912

Course Fee: \$195.00 GST: \$9.75 Total Cost: \$204.75

Do you need to create a website quickly and easily? If you understand other Microsoft Office applications, Expression Web is a breeze to learn. Master your own website by understanding web structure, proper page layout, themes and colour. Incorporate text, graphics, hyperlinks, and tables. Learn about what you need to get your website "live". This course makes it clear on how to create your pages the way you want and get them published to the web! Keep your site up to date by checking links, moving, renaming and reorganizing pages.

Prerequisite: Microsoft Windows knowledge and experience with Microsoft Office products.

Special Notes: This course is intended for teachers participating in the CTS Professional Development Summer Learning Programs.

For more information, please visit

http://www.carcpd.ab.ca/CTS_PD/summerLearning/bit.html



The following CTS courses are available during Series 2010 at Red Deer College - call 403.356.4900 or email continuingeducation@rdc.ab.ca for more information or to receive a complete brochure (also available to download at www.rdc.ab.ca/continuing_education/visual_arts)

Register online at www.rdc.ab.ca click on continuing education or phone 403.357.3663.

Accommodation:

Red Deer College is available for a minimal fee/day. This includes individual rooms that lock for sleeping and shared common space and bathroom with up to three others. Website:

www.rdc.ab.ca/residence/

METAL

Welding for Artists | Sam Johnson

July 5-9

Course # 1017 \$595 + GST

This workshop is an introduction to the theory and practice of welding processes. Focusing on the hands-on use of welding equipment as it relates to the fabrication and construction of metal art, participants will work in the state-of-the-art welding shop at RDC, under the supervision of a professional welding instructor. Bring your imagination and ideas and, if you have any old broken farm parts or metal pieces you want to use, be sure to bring them along too – you may surprise yourself by what they morph into throughout the class. Just open your mind!

All skill levels welcome

Faces in Metal | Chris Ellertson

July 12-16

Course # 1031 \$595 + GST

Learn how to work with light gauge metals to build three-dimensional faces, using a hammer and your imagination. Throughout the week, we will attack the basics of light gauge metal and its behaviour. Questions such as, "Where do I start?", "How do I draw the nose out?" and "Do I need to use heat?" will all be addressed.

All skill levels welcome

WOOD

Handcrafting Fine Furniture | Jim Coffey

July 5-9

Course # 1020 \$525 + GST

Learn to design and construct small-scale fine furniture, with a few hand tools and handheld power tools, in this hands-on workshop. You will be guided through the process of developing a rudimentary design and learn construction and hand skills that will allow you to begin woodworking as a hobby, without the perceived requirement of conventional machinery and shop space. Discussion on the approach to design, structure and the nature of wood will take place throughout the course. By the end of the week, you should have a completed finished piece: a stool or small table made from hard woods, built from a provided design or a design influenced by you to make it a truly unique object.

Beginner

PHOTOGRAPHY

Saying it with Style: Creating Compelling Photographs (Beginner) | Dwight Arthur

July 19-23

Course # 1048 \$495 + GST

Put photographic theory to work in this fun, excursion-based course, where you'll get to flex your creative muscles in a variety of location environments. Try your hand at portraiture in a well-equipped professional studio, explore nature and landscape work and learn about night photography, panoramic images and other dynamic field techniques that will add the 'wow' factor to your images. You'll get daily feedback in critiquing sessions and ongoing access to your own Photoshop-equipped workstation with a seasoned professional at your side.

Beginner to Advanced

Saying it with Style: Creating Compelling Photographs (Advanced) | Dwight Arthur

July 26-30

Course # 1013 \$495 + GST

Photograph is, first and foremost, a form of visual communication crafted through a clear chain of process. In 'Saying it with Style', you will learn the 'secrets' that make images both compelling and informative, including shooting images, as well as some of the essential editing techniques of the 'digital darkroom'. Emphasis is more on the perceptual – the art of seeing – rather than the craft of buttons and dials, using critiques, multimedia presentations, computers and excursions to develop your powers of envisioning, shaping, capturing and enhancing your work.

Intermediate to Advanced

Creative Control | Brandy Dahrouge

July 12-16

Course # 1034 \$ 495 + GST

Learn to experiment with camera techniques in order to take more artistic and creative photographs. Use overexposure, camera shake, blur, out of focus images and unconventional lighting techniques to your advantage! Create unique artistic images in-camera instead of in Photoshop! Camera must have fully manual capabilities and you should be familiar with how to use them.

Intermediate (a basic photography course is recommended)

SAIT - Southern Alberta Institute of Technology

1301 16th Ave, Calgary, AB T2M 0L4 877.284.7248

Sessions are presently under development; please check the CTS Professional Development website for current information

http://www.carcpd.ab.ca/CTS_PD/index.html

Click the Summer Learning tab

University of Alberta

114 Street & 89 Ave, Edmonton, AB T6G 2M7 780.492.3111

Spring 2010

EDCT 400 - Secondary Ed Food Prep, Demo and Presentation

Saturdays: May 8, 15, 29, June 5, 12, 19

LEC 0900 - 1050 LAB 1100 - 1630

Students will learn how to organize, manage, and demonstrate food preparation and presentation techniques appropriate for teaching intermediate and advanced junior and senior high foods studies' students. Students will learn safe and hygienic food preparation and presentation practices.

Summer 2010

EDCT 400 - Tech Dwg & AutoCAD

July 5 to July 10 MTWRFS

LEC 0830 - 1050

LAB 1100 - 1530

This course introduces students to technical drawing language, techniques, and AutoCAD. Students will learn technical drawing techniques to plan and prepare scaled representations of drawings in areas such as fashion, engineering, and architecture. Students will gain knowledge of drawing standards, lettering, geometric

construction, graphic symbols, multi-view projection, isometrics, dimensioning, design processes, and specification interpretation. Students in this course will also experience project-based learning.

EDCT 500 - Tech Dwg & AutoCAD

July 5 to July 10 MTWRFS

LEC 0830 - 1050

LAB 1100 - 1530

This course introduces students to technical drawing language, techniques, and AutoCAD. Students will learn technical drawing techniques to plan and prepare scaled representations of drawings in areas such as fashion, engineering, and architecture. Students will gain knowledge of drawing standards, lettering, geometric construction, graphic symbols, multiview projection, isometrics, dimensioning, design processes, and specification interpretation. Students in this course will also experience project-based learning.

EDCT 400 - Musical Instrument Making

July 12 to July 30 MTWRF

LEC 0830 - 1020

LAB 1030 - 1230

Musical instruments make a highly engaging focus for project-based learning in Career and Technology Studies, Music or academic classes.

Students in this course will experience project-based learning while researching, designing and constructing an instrument. This is a valuable learning opportunity for pre-service and active teachers.

EDCT 400 - Revit Arch & AutoCAD Inventor

August 3 to August 13

MTWRF LEC 0900 - 1050 LAB 1100 - 1400

Students will be introduced to Revit Architecture and AutoCAD Inventor 2010 software. Revit and Inventor software will illustrate the basics of Architecture and Mechanical drawings. Students will develop fundamental CADD skills as they complete a set of residential drawings and produce real-life mechanical projects that can be easily used to make a prototype. Dimensioning techniques, page layout, schedules, prototyping and basic rendering techniques will be an integral part of the course. AutoCAD Impression may be introduced time permitting.

Pre-service and active Alberta teachers involved with Career and Technology Studies design courses will acquire skills and knowledge, which will prepare them to apply these concepts in their secondary education classrooms.

The NEW CTS Clusters

Business, Administration, Finance & Information Technology (BIT)

BIT Cluster Occupational Areas

- Computing Science (CSE)
- Enterprise and Innovation (ENT)
- Financial Management (FIN)
- Information Processing (INF)
- Management and Marketing (MAM)
- Networking (NET)

Trades, Manufacturing & Transportation (TMT)

TMT Cluster Occupational Areas

- Construction (CON)
 - Carpentry Apprenticeship (CRA)
 - Carpenter Trade
- Electro-Technologies (ELT)
- Fabrication (FAB)
 - Welding Apprenticeship (WDA)
 - Welder Trade
- Logistics (LOG)
- Mechanics (MEC)
 - Auto Service Technician Apprenticeship (ASA)
 - Automotive Service Technician Trade

Health, Recreation & Human Services (HRH)

HRH Cluster Occupational Areas

- Community Care Services (CSS)
- Cosmetology (COS)
 - Hairstylist Apprenticeship (HSA)
 - Hairstylist Trade
- Esthetics (EST)
- Foods (FOD)
 - Cook Apprenticeship (CKA)
 - Cook Trade
- Health Care Services (HCS)
- Human and Social Services (HSS)
- Legal Studies (LGS)
- Recreation Leadership (REC)
- Tourism (TOU)

Media, Design & Communications Arts (MDC)

MDC Cluster Occupational Areas

- Communication Technology (COM)
- Design Studies (DES)
- Fashion Studies (FAS)

Natural Resources (NAT)

NAT Cluster Occupational Areas

- Agriculture (AGR)
- Primary Resources (PRS)
- Environmental Stewardship (ENS)
- Forestry (FOR)
- Wildlife (WLD)

Safety Plan

- Off Campus Education

Post Secondary Institutions

Summer Courses 2010

related to

Career and Technology Studies

CTS Cluster Occupational Areas

- Business, Administration, Finance & Information Technology (BIT)
- Trades, Manufacturing & Transportation (TMT)
- Health, Recreation & Human Services (HRH)
- Media, Design & Communications Arts (MDC)
- Natural Resources (NAT)

Summer courses offered to enhance instruction in CTS clusters

Post Secondary Institution	Location	Website	Cluster
Bow Valley College	Calgary	http://bowvalleycollege.ca/courses_programs/continuing_ed/index.htm	BIT, TMT, HRH, MDC, NAT
Canadian University College	Lacombe	https://regweb.cauc.ca/cgi-bin/courselist.exe	BIT, HRH, NAT
Concordia University College of Alberta	Edmonton	Special Sessions – Spring and Summer: http://specialsessions.concordia.ab.ca/	BIT, HRH, MDC, NAT
DeVry Institute of Technology	Calgary	http://www.devry.edu/calgary/	BIT, HRH, MDC
Grande Prairie Regional College	Grande Prairie	http://www.gprc.ab.ca/programs/	BIT, TMT, HRH, MDC, NAT
Grant MacEwan University	Edmonton	http://www.gmcc.ab.ca/web/Parttime/home/index.cfm Continuing Education Guide Spring Summer 2010 http://www.macewan.ca/web/Prospective/Calendar/DetailsPage.cfm?id=54&MenuOption=5	BIT, TMT, HRH, MDC
Keyano College	Fort McMurray	http://www.keyano.ca/Courses/ or http://www.keyano.ca/Media/Collections/Calendars/Keyano.Calendar.ContinuingEducation.pdf	BIT, TMT, HRH, MDC, NAT
King's University College	Edmonton	Spring Sessions: http://www.kingsu.org/	BIT, HRH, MDC, NAT
Lakeland College	Vermillion Lloydminster	http://www.lakelandcollege.ca/continuing_ed/	BIT, TMT, HRH, MDC, NAT

Post Secondary Institution	Location	Website	Cluster
Lethbridge College	Lethbridge	http://www.lethbridgecollege.ab.ca/index.php?option=com_content&task=view&id=71&Itemid=302	BIT, TMT, HRH, NAT
Medicine Hat College	Medicine Hat	http://www.mhc.ab.ca/continuing-studies/	BIT, MDC, NAT
Mount Royal University	Calgary	http://conted.mtroyal.ca/	BIT, HRH, MDC, NAT
NAIT	Edmonton	http://www.nait.ca/8711.htm Distance Learning: http://www.nait.ca/29732.htm	BIT, TMT, HRH, MDC, NAT
NorQuest College	Edmonton	http://www.norquest.ab.ca/coned/index.htm	BIT, TMT, HRH, MDC
Olds College	Olds & Region	http://www.oldscollege.ca/programs/ContinuingEducation/index.htm	BIT, TMT, HRH, MDC, NAT
Portage College	Lac La Biche	http://www.portagecollege.ca/ Distance Education: http://www.portagecollege.ca/programareas/index.asp	BIT, TMT, HRH
Red Deer College	Red Deer	http://rdc.ab.ca/continuing_education/Pages/default.aspx	BIT, TMT, HRH, MDC, NAT
St. Mary's University College	Calgary	Spring Sessions: http://www.stmu.ab.ca/	BIT, NAT, HRH, MDC
SAIT Polytechnic	Calgary	http://www.sait.ab.ca/pages/cometosait/continuingeducation/	BIT, TMT, HRH, MDC, NAT
University of Alberta, Faculty of Extension	Edmonton	http://www.extension.ualberta.ca/faculty/index.aspx	BIT, TMT, HRH, MDC, NAT
University of Calgary	Calgary	http://conted.ucalgary.ca/	BIT, TMT, HRH, MDC, NAT

ONLINE LEARNING

Athabasca University	Online/ Distance	http://www2.athabascau.ca/programs/	BIT, TMT, HRH, MDC, NAT
eCampusAlberta.ca	Online Learning	http://www.ecampusalberta.ca/	BIT, TMT, HRH, MDC, NAT

If you have questions or know of other courses, please contact Donna McRae at
dmcrae@carcpd.ab.ca

CTS SUMMER LEARNING OPPORTUNITY SUPPORT 2010

Building Capacity in Alberta Schools and Classrooms

This subsidy is being offered through a grant from Alberta Education to support implementation of the revised CTS curriculum.

Teachers can be reimbursed for attendance costs for CTS sessions related to subject-specific and skills oriented activities for Trades, Manufacturing and Transportation (TMT), Business, Administration, Finance and Information Technology (BIT), Health, Recreation & Human Services (HRH), Natural Resources (NAT), Media, Design & Communication Arts (MDC) clusters/courses. Sessions/courses should be provided by approved Alberta post-secondary institutions, however, other PD providers may be considered. Sponsored, non-sponsored and any other CTS related courses qualify for subsidy funding.

PART A: Application

***Please complete ALL information**

DATE: _____

NAME: _____

ADDRESS: _____

PHONE: _____

EMAIL: _____

DISTRICT: _____

SCHOOL: _____

TEACHING ASSIGNMENT OR CTS CLUSTER (If not currently teaching CTS, specify reason for subsidy request):

COURSE (Session description or course outline must be provided):

DATE OF COURSE _____

POST SECONDARY INSTITUTION (Alberta approved and other PD providers may be considered; please specify):

AMOUNT APPLIED FOR: \$ _____ (Maximum \$400 per teacher per year)

YOUR SCHOOL ADMINISTRATOR:

Name: _____

Phone: _____

Signature: _____

Applicants receiving approval will be advised via email. Please ensure your email information is correct.

Please submit **PART A** for approval to:

Donna McRae, Executive Director

Central Alberta Regional Consortium, 4210 – 59 Street, Red Deer, AB T4N 2M9

Phone: 403-348-8194

Fax: 403-348-8195

Email: dmcrae@carcpd.ab.ca

OFFICE USE ONLY ↓ -----

Date Approved

Executive Director Signature

CTS SUMMER LEARNING OPPORTUNITY SUPPORT 2010

Building Capacity in Alberta Schools and Classrooms

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PART B: Expense Submission

Submission Deadline: October 31, 2010

Please submit this form following course completion.

NAME: _____

ADDRESS: _____

PHONE: _____

EMAIL: _____

DISTRICT: _____

SCHOOL: _____

Name of Course: _____

Date of Course: _____

How will this course impact your classroom or school CTS Program? (short answer)

Expense Summary (Receipts Required)

Registration Fee _____

Accommodation _____

Meals _____

Other (please specify) _____

TOTAL CLAIM: _____ (Max \$400/year)

Please submit to:
 Donna McRae, Executive Director
 Central Alberta Regional Consortium,
 4210 – 59 St, Red Deer, AB T4N 2M9
 Phone: 403-348-8194
 Fax: 403-348-8195
 Email: dmcr@carcpd.ab.ca

_____ Date Submitted

_____ Participant Signature

*** Please provide a copy of all course-related expense receipts and a copy of your APPLICATION (A).**

OFFICE USE ONLY ↓ -----

_____ Date Received

_____ Amount Approved

_____ Executive Director Signature