

# Achieving Excellence in Student Learning

Transition from K-12 to  
Post Secondary

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# Achieving Excellence in Student Learning, K-12

- Graduation Requirements
- Career Education
- Skilled Trades and Technology Program
- Moving Forward



# Graduation Requirements



# Graduation Requirements

- English Language Arts, Mathematics, Science, and Social Studies requirements maintained
- Requirements in the following areas added:
  - Career Education
  - Physical Education
  - Fine Arts



# Graduation Requirements

- To meet requirements, students must also complete courses from at least two of the following disciplines:
  - French
  - Technology
  - Enterprise
  - Religious Education
  - Family Studies



# Career Education



# Career Development 2201

- Taken by all students entering high school
- Approximately 500 teachers and 6000 students in this course every year
- Course Work includes
  - Personal Management
  - Career Exploration - Learning and Work
  - Career Preparation - Life and Work Building
- Community Contribution Component
  - All students will complete 30 hours



# Career Development Resources

- Customized textbook and teacher resource
- Apprenticeship Guide
- Skilled Trades Emphasis
- Apprenticeship Website
- Suggested Guest Speaker List
- Career Education in-service



# Career Integration K-12

- Career Education Foundation Document
- Infusion of Career Education outcomes across the curriculum
- Career Modules (e.g., Grade 9)
- CHOICES and other software programs

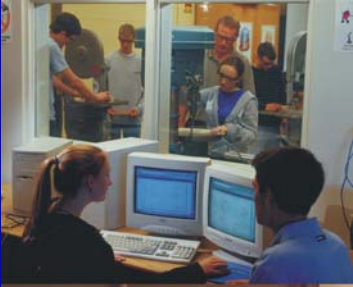


# Career Counselling

- Pre-service with all counsellors
  - Career Education course and links with school programs
- Repository (links to skilled trades) for counsellors and others (VTC)
- Revisions to Comprehensive Guidance Document
  - Includes section on Career Development
- Labour Market Information (LMI) Workshops
  - Partnering with HRLE and HRSDC
  - Targeting counsellors and career development teachers



# Futures in Skilled Trades and Technology



# Skilled Trades and Technology Program - Funding

- 2006-07 provided funding to commence a new Skilled Trades and Technology Program at High School, which includes:
  - purchase of resources, tools, machinery and equipment,
  - curriculum development and teacher professional development.
- Replacement and rejuvenation of Industrial Arts



# Proposed Skilled Trades and Technology Program - Overview

## Pilot Year 1      30 Schools

**Skilled Trades  
1201**

**Design and Fabrication  
1202**

## Second Year

**Residential Construction  
Technologies 2201**

**Energy and  
Power 2202**

## Third Year

**Production Technology  
3201**

**Design and Fabrication  
3202**



# Pilot Year 1 – Fall 2006

## ■ Design and Fabrication 1202

- work with design products and computer-aided-design (CAD) software
- production of their design in the fabrication lab.
- utilization of industrial woodworking tools

## ■ Skilled Trades 1201

- new course involving cross-trades training
- carpentry, plumbing and electrical work within the conceptual framework of house construction and repair.
- utilization of industrial power and hand tools



# Skilled Trades and Technology Program - Resources

Industrial power tools for each pilot school



Specialized Automated Manufacturing Tools



Robotics Assembly Lines



# Proposed Skilled Trades Curriculum Areas

- Mechanical
  - Automotive Service Technician
  - Electric Motor System Technician
  - Industrial Instrument Mechanic
  - Motorcycle Mechanic
  - Small Equipment Repair Technician
- Carpentry
  - Carpenter
  - Cabinetmaker
- Electrician
  - Construction Electrician
  - Industrial Electrician
  - Residential Electrician
- Machinist
- Metal Fabricator (Fitter)
- Plumber



# Skilled Trades and Career Development

## Specific Curriculum Outcomes

- **3.05** describe how formal and informal education and training impact life opportunities and is lifelong [3.401, 3.403]
- **3.07** identify and describe various types of occupations, jobs, and work arrangements [4.401, 4.402]
- **3.08** identify and describe specific regional, provincial, national and international labour market information and trends [4.401]



# Skilled Trades and Career Development

- Curriculum Guide Excerpt (SCO 3.05)
  - ... focus attention on the apprenticeship program as one of the formal educational opportunities available ... The *Provincial Apprenticeship Model* addresses the apprenticeable skilled trades areas and would be of interest to some students enrolled in the course... (**CD 2201 Implementation Support Web Site - SCO 3.05 Handouts: Provincial Apprenticeship Model**)



# Moving Forward

- Infrastructure Requirements
- Youth Apprenticeship Program
- Advanced standing in first year programs at Colleges
- Teacher-Mentoring program (College to schools)
  - Instructors mentoring teachers
- Skilled Trades guest speaker program
  - Identified guest speakers in the skilled trades (female & male)
- Awareness/Promotional campaigns
  - Promotion of the skilled trades as a viable career choice
- Counsellor and Principal in-service
- PARTNERSHIPS

