Welcome to Drafting 9-12

- Auto-Cad
- Manual drafting
- CNC programming
- Model building
Drafting 9-12

- Why study drafting?
  - Engineering
  - Architecture
  - Interior Design
  - Construction
  - Fashion Design
Drafting 9-10 Projects

- Name Design
- Vehicle Design
- CNC Router Logo
- Chair Design
Name Drawing
Drafting 9/10 Projects

- Oblique drawing
- Design skills
- Manual drawing skills
- Auto-CAD skills
Vehicle Design
Drafting 9/10 Projects

- Orthographic drawing
- Design skills
- Manual drawing skills
- Auto-CAD skills
CNC Router Logo
Drafting 9/10 Projects

- CNC processes
- Part Wizard Software
- Tool path programming
Chair Design
Drafting 9/10 Projects

- Auto-CAD
- Model building
- Team work
- Marketing
Drafting 11/12 Projects

- Auto-CAD
- Manual drafting
- CNC Programming
- Rec Complex design
- Packaging design
- Restaurant design
- Rube Goldberg design
Package Design
Drafting 11/12 Projects

- Auto-CAD
- Design
- Model building
Restaurant Design
Drafting 11/12 Projects

- Auto-CAD
- Manual drafting
- Model building
CNC Projects
Drafting 11/12 Projects

- Part Wizard Software
- Auto-CAD
- Shopbot CNC Router
CNC Projects
Drafting 11/12 Projects

- CNC Animal Design
- Auto-CAD
- Shopbot CNC Router
Rube Goldberg Machine
Drafting 11/12 Projects

- Auto-CAD
- Design skills
- Working in groups
- Model building
Technology Education
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Welcome to Power Mechanics 9-10

- Shop Safety
- Hand & Power Tools
- Small engines
- CO2 Dragster
- Automotive introduction
Power Mechanics 9/10
Shop Safety

- Shop Safety
- Hand tools
- Power tools
  - Band saw
  - Scroll saw
  - Drill press
  - Spot welder
Power Mechanics
CO2 Dragster

- CO2 Dragster
- Design
- Wind tunnel testing
- Wood and metal frame cars
- Hand and power tools
- Race day Competition
Power Mechanics
Small engines

- Small Engines
- Briggs @ Stratton
- Engine theory
- Disassemble
- Parts identification
- Reassemble
- Trouble shooting
- Engine testing
Burnaby North Secondary

Technology Education
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Welcome to Wood Art

- Shop Safety
- Hand & Power Tools
- Stain Glass Design
- Intarsia
- Wood Carving
- Jewelry Design and Casting
Wood Art Metal

Shop Safety

• Shop Safety
• Hand tools
• Power tools
  • Band saw
  • Scroll saw
  • Drill press
  • Spot welder
  • Casting Machine
Wood Art Metal
Stain Glass

- Stain Glass Design
- Design
- Glass cutting
- Soldering
Wood Art Metal

Jewelry Design

- Jewelry Design
- Design
- Tools
- Mold making
- Precious Metals
- Casting machine
- Polishing
- Take home project
Welcome to Wood Art

Carving

- Wood Carving
- Shop safety
- Hand Tools
- Design
- Wood Carving Technique
Welcome to Wood Art Metal

Intarsia

- Intarsia
- Shop Safety
- Hand & Power Tools
- Design
- Take Home Project
Technology Education
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Welcome to Woodwork
9/10

Course Content:

- Hand & Power Tools
- Shop Safety
- Measurement
- Wood identification
- Manufacturing techniques
- Wood finishing
- Take home projects
Woodwork 9/10
Shop Safety

• Shop Safety

• Hand tools
• Power tools
  • Band saw
  • Scroll saw
  • Drill press
  • Lathe
  • Jointer
  • Planer
Woodwork 9/10

- Machine theory
- Measurement
- Wood identification
- Wood Finishing
Woodwork 9/10 Projects

- Design
- Three piece puzzle
- Gum Ball Machine
- Folding Table
- Watch
Technology Education
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Welcome to Technology
9/10

Course Content:

- Shop Safety
- Hand & Power Tools
- Measurement
- Flight
- Electronics
- CNC machine processes
- Take home projects
Technology 9/10

- Shop Safety
- Hand tools
- Power tools
  - Band saw
  - Scroll saw
  - Drill press
  - Spot Welder
Technology 9/10 Projects
Cyber Mask

- Cyber Mask
- Design
- Hand tools
- Electronics
- Team work
- Competition
Technology 9/10 Projects
CNC Logo Design

- Graphic Design
- Auto CAD
- Part Wizard Software
- ShopBot Software
- CNC cutting
- Sign Painting
Technology 9/10 Projects

- Flight
- Basketball Hoop
- Robot competition
- Team work
Technology Education
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Welcome to Electronics 9/10

Course Content:

- Shop Safety
- Resistors, Capacitors Transistors
- Take home projects
  - Nightlight
  - Alarm system
  - Digital security
  - Intercom system
Electronics 9/10
Shop Safety

- Shop Safety
- Hand tools
  - Sheet Metal
  - Drill press
  - Solder Station
Electronics 9/10 Projects

- Projects
- Design
  - Nightlight
  - Alarm system
  - Digital security
  - Intercom system
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