

## \* The Career Preparation Program in Electronics \*

Sir Winston Churchill Secondary School  
2011 – 2012

Most student placements have an electronics focus. They are completed in manufacturing, service and repair, and research and development. Students usually finish their work placements before entering Grade 12. They serve a minimum of one hundred hours of on-the-job experience. Upon completion, each receives a certificate, and four credits toward graduation.

Students become productively engaged in the work of the sponsor. During their assignments, they assume as many responsibilities, and perform as many tasks as possible. Program activities include

1. Repairing computers and laser printers
2. Servicing and repairing electronic games and jukeboxes
3. Repairing electric tools and electronic appliances
4. Providing technical support for a theatrical stage
5. Servicing and repairing automobiles
6. Receiving and organizing parts in a warehouse
7. Manufacturing consumer products
8. Participating in a research and development project.

While on assignment, students receive direction from a supervisor. They cooperate closely with employees. They may become part of a research team, including engineers and technologists. Courtesy, punctuality, initiative, and communicating what one either understands or does not understand – are the keys to success.

Most Grade 11 students choose to complete their workplace assignments before beginning their final year of secondary studies.

Girls and boys view the program as a pivotal experience in their lives. They return from their work placements in electronics with an improved sense of direction regarding their careers. They display a renewed commitment to their studies. Some placements in the electronics program lead to paid summer employment. At university, employer work reports assist in securing the support of an employer sponsor for coop education programs.

*For more information about career preparation visit our website.*

**[www.swcelectronics.com](http://www.swcelectronics.com)**

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## Examples of Career Placements

- Electronics Engineering
- Installation
- Manufacturing
- Research and Development
- Service and Repair
- Special Needs, Disabilities
- Technologist
- Theatre and Performance
- Warehousing

## Types of Employment

Computer repair, communications, software  
Electrical, home security, sound systems  
Cell phones, data switches, global positioning  
Robotics, control systems, microtechnology  
Computers, power tools, printers, receivers  
Sip-puff switches, IR controls, ventilators  
Printed circuit board, surface mounted parts  
Stage lighting, sound engineer, special effects  
Shipping, receiving, stocking

## Post Secondary Institutions

British Columbia Institute of Technology  
  
Kwantlen Polytechnic College  
Simon Fraser University  
University of British Columbia  
University of Victoria

## Possible Career Goals

Technologists	Diploma and Degree
Electrician	Journeyman Certificate
Automotive	Journeyman Certificate
Avionics	Diploma
Electrician	Journeyman Certificate
Electrical Engineer	Bachelor Degree
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## Photographic Display – Room 115 – Sir Winston Churchill Secondary

For an inside view of what girls and boys do while on assignment visit the photographic display in the electronics lab – room 115. Talk to the students about their experiences. Computer repair is especially popular.

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