

## Technology Teacher Education Program - Required Safety Apparel and Supplies

The items listed below will be used throughout the TTED program. Bring items you already own.

From safety or work wear suppliers such as:

[Reddhart Workwear](#) - Burnaby, Langley, Abbotsford, Kelowna, Nanaimo

[Ono Work & Safety](#) - Surrey, Nanaimo, Courtenay

[Nomad Pro Workwear](#) - Surrey

[Industry Workwear](#) - Coquitlam, Mission

[Mark's](#) - various locations

### Required:

- ❖ safety glasses (CSA standard Z94.3)
- ❖ fit & comfort are very important – try them on and choose comfortable ones
  - please note that regular eyeglasses are not acceptable, however prescription safety glasses are
  - prescription safety glasses are much more comfortable than wearing safety glasses over regular glasses
- ❖ [respirator](#): North by Honeywell [5500](#) series or equivalent
  - organic vapour cartridges part number: [N75001L](#) - purchase one pair
  - dust filters part number: [7580P100](#) - purchase one pair
- ❖ overalls, coveralls or shop coat to protect your clothing
- ❖ safety footwear:
  - boots or shoes are acceptable provided they have the green CSA triangle
  - composite materials for toe and sole protection will be lighter than steel
  - comfort is very important - buy the best quality you can afford



### Recommended:

- ❖ fitted ear plugs
  - Roger will arrange for students to be fitted with custom ear plugs in September (approx. cost \$106)
  - alternately, disposable ear plugs are available to students in our shops at no cost

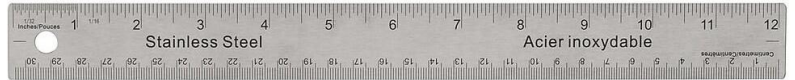
The first 7 items listed below can be purchased from suppliers such as [Busy Bee Tools](#), [Acklands Grainger](#), [KMS Tools](#), [Canadian Tire](#), [Princess Auto](#) and many other retailers that sell hand tools...

### Required:

- ❖ 6" metric/imperial **caliper** (vernier, digital or dial type)
  - metric side capable of 0.02mm increments
  - imperial side capable of 0.001" increments
  - if purchasing a caliper with a digital display, invest in a quality item so the readings will be accurate
  - plastic calipers can be inaccurate and have a short life span!
  - a basic vernier caliper (non-digital, non-dial) will last the longest and never need batteries



- ❖ set of **imperial Allen wrenches** 5/64" - 1/4"
- ❖ set of **metric Allen wrenches** 1.5mm - 6mm
- ❖ 150mm (6") metric & imperial **scale**
- ❖ [3/8" lathe tool bit blank](#) (just one)
- ❖ 1 set artist's drawing lead **pencils** - range 6B-2H
- ❖ [sketchbook 11"X14"](#)
- ❖ [ultra-fine tipped felt marker](#)
- ❖ 3 hole lined **note paper**
- ❖ combination or **padlock** for your locker
- ❖ **memory stick** (8.0 GB minimum)
- ❖ [solderless breadboard](#): (can be purchased at [RP Electronics](#))
- ❖ **calculator** for the math class [Sharp EL531XTB](#)
- ❖ utility **knife**



❖ **computer**

You will require access to a laptop or desktop computer with internet access at home in order to complete the online learning components of this program.

Windows is the standard operating system used in the program. While most of the software used in the program is also available for Macs, instructors may not be able to provide support with Mac-specific issues. Microsoft Office (Word, Excel & PowerPoint) is the standard for creating and submitting documents. MS Office 365 is free from BCIT: <https://www.bcit.ca/its/software/>

A dual-monitor setup is not required, but students have reported that it is very useful when completing assignments and is highly recommended. At least one monitor should be a minimum of 1920x1080 resolution. A webcam and headset/mic combination will be very useful for online instruction and video conference meetings.

Most modern computers can run the technical software used in the program, however older/slower machines can lag, resulting in a frustrating learning experience. Recommended minimum system requirements are:

- 64 bit processor with 4 or more cores, running at 2.5 GHz or faster
- 8 GB of RAM
- 70 GB of free Hard Disk Drive Space

**Recommended:**

- ❖ small **tool box**
- ❖ **engineering pad** with 1/4" grid (8.5" x 11")



If you have any questions, feel free to contact me via email: [Roger\\_Bortignon@bcit.ca](mailto:Roger_Bortignon@bcit.ca)

Sincerely,  
Roger Bortignon, TTED Program Head