

## Mandatory Tool List 2018

All tools noted as “Day 1” are required for the first day of school so students may participate in the practical classes. In September Canadore’s Aviation Campus will host a “Tool Exhibit Day” with numerous local vendors that will cater to the exact needs of our program. Vendors may offer a discount to students at this event.

Estimated costs for the complete list range from \$2000 to \$3000. It is recommended that you purchase professional quality tools that have a life time guarantee. Vendors in attendance at the 2017 tool day may be contacted in advance and are listed below.

| TOOL DESCRIPTION  | DAY 1 | 31-Oct |
|---|-------|--------|
| <b>TOOL BOX</b>   |       |        |
| Carry-On tool box, 3 or 4 drawer (or) Pelican case<br><b>Maximum dimensions (approx) 26" wide x 12" deep x 16" high</b><br><b>(No roll cabinets allowed due to the limited space available for storage)</b> | X     |        |

### RATCHET SETS

|   |  |   |
|---|--|---|
| 1/4" drive fine tooth ratchet   |  | X |
| 1/4" drive, <b>12 point</b> , deep sockets:                                   |  | X |
| <i>sizes = 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16</i>       |  | X |
| 1/4" drive, <b>12 point</b> , shallow sockets:                                |  | X |
| <i>sizes = 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16</i>       |  | X |
| 1/4" drive, <b>12 point</b> flex sockets: 7/16 and 1/2                        |  | X |
| <i>sizes = 7/16, 1/2</i>  |  | X |
| 1/4" drive extensions: 2" and 6"  |  | X |
| 3/8" drive ratchet  |  | X |
| 3/8" drive speed handle   |  | X |
| 3/8" drive or 1/4" drive screw driver bit holder                              |  | X |
| 3/8" drive, 12 point, shallow sockets:  |  | X |
| <i>sizes = 3/8", 7/16, 1/2, 9/16, 5/8, 11/16, 3/4</i>                         |  | X |
| 3/8" drive extensions: 3" and 6"  |  | X |
| 1/2" drive, 7/8" Aviation Spark Plug Socket (must have extra deep inner bore) |  | X |
| Drive Adapter - 3/8" stepped up to 1/2"                                       |  | X |
| Drive Adapter - 3/8" stepped down to 1/4"                                     |  | X |

### PLIERS

|  |   |   |
|--|---|---|
| Diagonal cutter - 6" (side cutter)                               | X |   |
| Needle nose pliers (6" thin)                                     |   | X |
| Duck Bill pliers - 8"  | X |   |
| Soft jaw cannon plug plier (example BluePoint PWC52A)            |   | X |
| Safety Wire Twisters - 6" (good quality)(reversible is optional) |   | X |

### SCREWDRIVERS

|  |          |   |
|--|----------|---|
| Complete set of phillips screwdrivers #1 and #2 (4 - 6 total screwdrivers) |          | X |
| Complete set of common screwdrivers (4 - 6 total screwdrivers)             | X        |   |
| Jewelers screwdriver set   |          | X |
| Ratcheting screwdriver with interchangeable tips                           | optional |   |

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### WRENCHES

|   |  |   |
|---|--|---|
| Open end wrench set   |  | X |
| <i>sizes = 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16, 3/4", 13/16", 7/8"</i>     |  | X |
| Combination wrench set  |  | X |
| <i>sizes = 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16, 3/4", 13/16", 7/8", 1"</i> |  | X |
| Allen key set   |  | X |
| <i>sizes = 1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8</i>                    |  | X |

### HAMMERS

|   |  |   |
|---|--|---|
| Hammer - ball peen (12 - 16 oz)         |  | X |
| Hammer - soft face or dead blow (24 oz) |  | X |

### PUNCHES

|                  |  |   |
|------------------|--|---|
| 3/32" pin punch  |  | X |
| 1/8" pin punch   |  | X |
| 5/32" pin punch  |  | X |
| Tapered punch    |  | X |
| 3/8" brass drift |  | X |

### MISCELLANEOUS (MANDATORY)

|  |   |   |
|--|---|---|
| Good flashlight (bright white LED, AA batt, explosion proof recommended) | X |   |
| 12" flexible steel ruler - aircraft easy read - inches                   | X |   |
| 10 - 16 power magnifying glass or loop                                   | X |   |
| Extendable, adjustable inspection mirror                                 | X |   |
| Telescoping or flexible magnet   |   | X |
| Valve core remover - pen style   |   | X |
| Multi spline screw extractor for #10 screws (Example, Snap-on REX104A)   |   | X |
| Cotter pin removal hook  |   | X |
| Permanent Marker fine tip - (recommend Staedtler Lumocolor waterproof)   |   | X |
| 4 Piece Pick Set   |   | X |
| Feeler gauges, blade type, .0015" - .032"                                |   | X |
| Feeler gauges, wire type, .012" - .032" (Must include .018")             |   | X |
| 25 foot measuring tape   |   | X |

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

DAY 1

30-Oct

|   |   |   |
|---|---|---|
| <b>Students will not be admitted to class without PPE, NO EXCEPTIONS</b>                  |   |   |
| Safety glasses (ANSI Z87.1.2003) <b>must be worn over glasses</b> (Yellow / Clear / Blue) | X |   |
| Ear protectors (noise protection) <b>High Noise Reduction Rating NR30</b>                 | X |   |
| Safety shoes (CSA green patch)  | X |   |
| Respirator, NIOSH approved, half mask - must be properly and professionally fit           |   | X |
| Organic vapor cartridges for respirator   |   | X |
| P100 dust filter for respirator   |   | X |
| Black coveralls required in many shops and hangar (Marks Workwear)                        | X |   |



|   |
|---|
| <b>Vendor Attendees at 2017 Tool Show</b> |
|---|

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|-------------------------|
| <b>Acklands Granger</b> |
|-------------------------|

705-675-1111 (Sudbury)

705-492-7713 Joanna Miles

705-498-3756 Pat Leblanc (safety sales specialist)

[acklandsgranger.com](http://acklandsgranger.com)

|                                      |
|--------------------------------------|
| <b>Bumper to Bumper - H.E. Brown</b> |
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705-472-0400

[northbay@muskoka auto.com](mailto:northbay@muskoka auto.com)

|   |
|---|
| <b>Franko tools &amp; equipment sales</b> |
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705-477-8275

[frank.calcaterra@sympatico.ca](mailto:frank.calcaterra@sympatico.ca)

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| <b>Matco Tools</b> |
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Chad Haddow

705-493-3258

[www.chadmatco.ca](http://www.chadmatco.ca)

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| <b>Snap-On</b> |
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Dave Simurda

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| <b>Q1 Aero Products</b> |
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