

# NBTAP Secondary Pre-Apprenticeship



Over the course of the NBTAP Employment experience, student apprentices should observe, and perform, some of the following trade skills under the supervision of a qualified journeyman.

**IMPORTANT NOTE: Students**, as part of your NBTAP summer experience, you will be required to maintain a Secondary Pre-Apprenticeship Logbook. **Please be sure to obtain a copy of your NBTAP Logbook from your School Champion or the Pre-Apprenticeship Coordinator PRIOR to starting your employment placement.**



## Machinist: Trade Related Skills

- Demonstrates safe working practices
- Calculates layout dimensions and reference points
- Selects workpiece materials (basic identification)
- Performs layout operations
- Uses, inspects, stores, and maintains hoisting and lifting equipment
- Performs precision measurement I
- Uses hand and power tools, as well as drills and presses
- Performs hand treading
- Checks fluids and coolants
- Is introduced to grinding machines and conventional lathes
- Sets up and performs basic conventional lathe operations
- Performs conventional lathe drilling, boring, reaming, tapping and die threading
- Uses and maintains milling machines, their accessories, and attachments
- Calculates and selects tap drill sizes in metric and imperial.
- Uses and sharpens cutting machine tools

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