

ENGINE LATHE

STUDENT LEARNING MODULE

TERMS AND DEFINITIONS:

- **Cutting Speed:** The speed or rate at which a point on the circumference of the work piece passes the cutting tool.
- **Feed:** The distance a cutting tool will advance along the length of a workpiece for each revolution of the spindle.
- **End Face:** The operation of machining the ends of a workpiece square with its axis.
- **Center Drill:** A combination drill and countersink used in the operation of drilling center holes in each end of a workpiece so that it may be held in a lathe between centers.
- **Turning Between Centers:** A method used to turn a workpiece, which allows the workpiece to be removed and set up for further operations without loss of accuracy.
- **Depth Of Cut:** The amount the tool is advanced into the workpiece or half of the total amount of material removed in one cut.
- **Taper:** The uniform increase or decrease in diameter

along the length of a shaft.

- **Counterbore:** A tool used to enlarge a hole through part of its length.
- **Threading:** A tool used to cut threads, both external and internal.
- **Parallel Turning:** The process of cutting / decreasing the diameter of the workpiece along the length of the shaft.
- **Chamfer:** Bevel edge of a workpiece, usually made to remove a sharp edge or to make further work / assembly easier.
- **Workpiece:** The “part” or “piece of material (metal)” that you are performing work on.