

Dept: Technology Education Course Title: Advanced Manufacturing Technology Course #: 722

DESCRIPTION OF COURSE: Students will understand advanced joinery, finishing processes and fastening techniques in the manufactured product. They will learn power tool and machine safety through careful instruction and completion of projects they select. Knowledge and understanding will be assessed based upon the levels of design and workmanship. Students will be required to think critically, apply mathematics and problem solve.

REQUIRED TOPICS OF STUDY	SUGGESTED INSTRUCTIONAL TIME	STANDARDS/ ASSESSMENT ANCHORS
Machine / Tool Safety	Continuous	3.7.12.A
Wood Classification	One Week	3.5.12.C
Product development	One Week	3.7.12.A
Jig and fixture design	Two Weeks	3.2.12.D
Machine operations, Complex machine use	Continuous	3.8.12.B
Project assembly/ Adhesives	One Week	3.8.12.B
Product finishes	One Week	3.8.12.B

INSTRUCTIONAL RESOURCES:

- Wood working Equipment
- Handouts
- Videos
- Magazines