

# Automated Design Technology

## A new Program at W.J. Mouat



**Course Description:** The AUTOMATED DESIGN TECHNOLOGY course is a multi level course that is designed to provide the students with a broad range of computer manufacturing & processing skills. The course is focused on three pieces of state of the art technology. The Roland SolJet Pro II EX, The XYZ Millenium Router, and the Universal Laser Engraving System. Students will be taught how to use the software to design their projects, and process them using the appropriate and available technology. Student projects are based on real life problem solving and professional experiences. By the end of the course the student will be eligible for certification on the software and the equipment.

**Teachers:** The AUTOMATED DESIGN TECHNOLOGY course is team taught by Technology Education teachers Mr. Pearson & Mr. Liversidge. Together they have developed this program to be an intense and rewarding program for the students involved. Mr. Pearson has had extensive experience in the movie industry as well as being a home builder for several years. He has completed a Masters degree in educational leadership and teaches Woodwork, Metalwork and Leadership. Mr. Liversidge has been involved in the computer sign making industry since 1990 and has been creating vinyl graphics with the students at Mouat since 1993. He also has a Masters degree in educational leadership, and has taught Drafting, Woodwork and Vinyl Graphics.



**Certification:** At the completion of the course students will be eligible for certification in the following areas.

- Sign Lab - Design software
- TACA Sign Supplies - Vinyl Graphics - Design & Application
- XYZ Router - CNC router set up and controls
- Universal Laser - Operator certificate (pending)
- Master Cam - Design Software (pending)
- Roland DG - Ink Jet Technology operators certificate (pending)

**Industry Sponsors:** We are fortunate to have several companies sponsor our program initiative. These companies have donated material, time, resources, and software.

- CADLink Technology Corporation - SignLab 6.1 Software
- TACA Signs & Supplies - Supplies, Resources, Training
- XYZ Automation, Curriculum Resources
- Univeral Laser - Curriculum Resources

