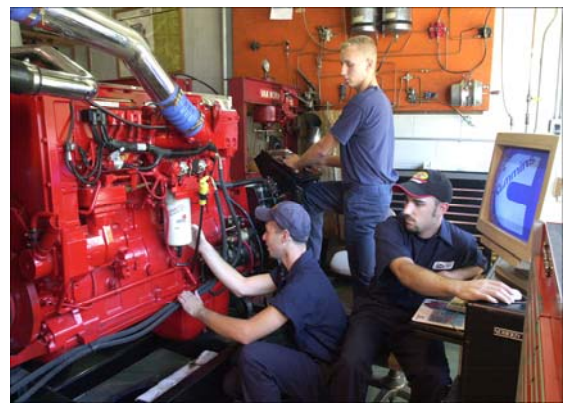




SHARE TIME CAREER AND TECHNICAL PROGRAMS



2010-2011

Times of Sessions

AM Session: 8:00 - 10:43

PM Session: 12:06 - 2:52

SHARE TIME CAREER AND TECHNICAL PROGRAMS

20 credits

Grades: 11 and 12

Morris County School of Technology provides students the opportunity to receive daily career and technical training as part of their junior and/or senior high school program. Academic subjects are taken at the home school. Students are then transported to Morris County School of Technology for specialized career and technical training.

Minimum Requirements:

1. Be enrolled as a 11th or 12th grader in the home high school. Tenth graders may be considered for career and technical courses on an individual basis.
2. Have an acceptable academic, attendance and behavior record in the home school.
3. File an application signed by the parent or guardian and the home school counselor.
4. Have a sincere interest in the program.
5. Possess sufficient motivation to succeed in the chosen program.
6. Have sufficient maturity to work in a shop setting.

Academic Infusion Program:

Applications of Mathematics and/or Science may be experienced and credits earned in specific courses. Students receive 15 credits for their career and technical course and five credits for infused math and/or science.

MATHEMATICS AND SCIENCE INFUSION PROGRAM Credit Awarded

Program	Credits	Academic Area
Auto Body Collision/Repair	5	Year 1 - Science Year 2 - No academic credit
Auto Body Collision/Repair (special needs)	5	Year 1 - Science Year 2 - No academic credit
Auto Service Tech I and II	5	Year 1 - Science Year 2 – Math
Auto Service Tech I and II (special needs)	5	Year 1 - Science Year 2 – Math
Building Construction (special needs)	5	One year Math for each year of participation
Building/Grounds Maintenance (special needs)	5	One year Math for each year of participation
Carpentry	5	One year Math for each year of participation
Computer Drafting & Graphics Studio	5	Year 1 - Math Year 2 - No Academic Credit
Cosmetology	5	Year 1 - No academic credit Year 2 - Science
Food Services (special needs)	0	No academic credit
Electrical Trades	5	Year 1 - Science Year 2 – Math
Plumbing	5	Year 1 - Science Year 2 – Math
Retail Supermarkets (special needs)	5	One year Math for each year of participation
Welding	5	One year Science for each year of participation

SHARE TIME PROGRAMS

AUTO BODY/COLLISION REPAIR

Grades: 11-12

Within this two-year program, students will study basic auto body repair, painting, welding, restoration, panel replacement, frame damage, repair, custom painting and the use of all tools and materials. Graduates are employed as technicians, painters and apprentices.

AUTOMOTIVE SERVICE TECHNOLOGY I and II

Grades: 11-12

To meet the needs of a changing technology, this exciting two-year program offers students the opportunity to master the needed skills to pass the Automotive Service Excellence Certification (ASE) Examinations. Training by ASE certified instructors is offered in basic automotive systems, electrical systems, braking systems, engine performance, chassis and steering, heating and air conditioning systems, computerized engine controls, selected shop skills and ASE test preparation.

CARPENTRY

Grades: 11-12

Within this one- or two-year program, students are introduced to transit and concrete wall forms, column forms, step and landing forms. Framing includes floor, wall and roof framing and common rafters. Advanced instruction includes stair building, exterior and interior trim and more complex roof frames such as hip, valley and jack rafters. Students develop a thorough understanding of the aspects of residential home construction and an understanding of basic architectural principles. Graduates have started their own businesses, worked with local contractors, entered union apprenticeships or pursued a post-secondary education.

COMPUTER DRAFTING & GRAPHICS STUDIO

Grades: 11-12

In this one- or two-year program, students transform architectural and engineering designs into finished drawings using state of the art computer equipment and the latest software releases. The first year of the program includes the basic concepts, commands and operations of the AutoCAD® software, and introduces the student to advanced techniques such as 3D Design. An optional second year is available for students who wish to pursue skills in advanced customization and photo-realistic graphics and animation techniques utilizing 3D Studio Design software.

COSMETOLOGY I and II

Grades: 11-12

The goal of this two-year program is for graduates to successfully pass the state licensing examination and become employed in the field. The units of instruction and clinic are designed to meet licensing standards of the Board of Beauty Culture. Future beauticians and barbers experience instruction in hair care, styling, perms, manicures, facials, facial massage, waxing, coloring and barbering. Second year students operate a clinic in which customer relations, shop management and professionalism are stressed.

ELECTRICAL TRADES

Grades: 11-12

The Electrical Trades program is a two-year program that covers Telecommunication, computer installations, low voltage wiring, fire and burglar alarm systems, as well as residential, commercial and industrial wiring. All of these trades overlap in scope and basic training and offer an excellent opportunity to obtain employment. Algebra is a requirement in order to pursue entrance into the union apprenticeship program.

PLUMBING

Grades: 11-12

Blueprint reading, design, layout, troubleshooting, repair, and installations are included as units of study. Students in this one- or two-year program learn plumbing codes, principles and practices concerning plumbing and heating in residential environments. In the laboratory, students will receive hands-on training in copper sweating, cutting and threading, cast iron, PVC and ABS work, underground drainage waste, vent systems and mechanical piping of gas fired heating systems. Design and installation of fixtures for bathrooms, kitchens and hot water heaters is included.

WELDING TECHNOLOGY

Grades: 11-12

This two-year program allows high school students to acquire basic welding skills in the first year, which is a prerequisite for the second year. In the second year, students will have opportunities to pursue: the NOCTI examination and AWS Entry-Level Welders' certification.

In the first year of this program, students are introduced to: Plasma Arc Cutting (on aluminum, stainless and low carbon steel), Shielded Metal Arc Welding (fillet and V-groove welds on low carbon steel), Gas metal Arc Welding (fillet welds on low carbon steel), Oxy/fuel gas cutting and introduction to print interpretation.

During the second year, students will work with the Gas Tungsten Arc Welding (welds on stainless steel and aluminum), advanced Shielded Metal Arc Welding (V- grooves with backing strips), Gas Metal Arc Welding (groove welds on low carbon steel), Flux-core Arc Welding (fillet welds on low carbon steel), Plasma Arc Cutting and print interpretation.

SHARE TIME PROGRAMS FOR STUDENTS WITH SPECIAL NEEDS

The Morris County School of Technology is committed to serving students with special needs. Accordingly, five programs are dedicated to meet these needs. The five programs respond to industry needs and are designed to equip the student with the skills he/she will need for gainful employment after graduation. These programs are available to classified students enrolled in public secondary schools who are 15-20 years of age. A complete set of Child Study Team records must accompany the application.

Applications are available from the local high schools. Any additional questions may be directed to (973) 627-4600 Ext. 238.

AUTO BODY/COLLISION REPAIR

Grades: 10-12

Within this two-year program, students will study basic auto body repair, painting, welding, restoration, panel replacement, frame damage, repair, custom painting and the use of all tools and materials. Graduates are employed as technicians, painters and apprentices.

AUTOMOTIVE SERVICE TECHNOLOGY I AND II

Grades: 10-12

To meet the needs of a changing technology, this exciting one to three year program offers students the opportunity to master the needed skills to pass the Automotive Service Excellence Certification (ASE) Examinations in Braking Systems. Training by ASE certified instructors is offered in basic automotive systems, braking systems, chassis and steering, select shop skills and ASE test preparation.

BUILDING CONSTRUCTION

Grades: 10-12

This program provides hands-on training in all phases of the construction industry. Instruction begins with the use of hand and power tools. Units of study include carpentry, electrical wiring, plumbing, sheet rocking and roofing. Upon completion, students may elect to pursue advance training in one specific trade area.

BUILDING & GROUNDS MAINTENANCE SERVICES

Grades: 10-12

This course includes the study of interior and exterior maintenance of a building and the surrounding grounds. Students gain knowledge of basic electricity, plumbing, carpentry, landscaping, painting, general cleaning and maintenance.

FOOD SERVICES

Grades: 10-12

The program is designed for the special needs learner who may indicate an interest in Culinary Arts but lacks the requisite academic skills. It will specifically prepare students for employment in food service occupations in hospitals, corporate cafeterias, banquet halls, nursing homes, hotels and restaurants. Students are trained in basic food sanitation, preparation and service. Occupational training is for entry level positions in most kitchens.

RETAIL/SUPERMARKET CAREERS

Grades: 10-12

This hands-on program trains students for all of the jobs found in retailing careers. Units of instruction include cashier, produce, baking, sales techniques, marketing, customer service and grocery. Students operate the supermarket/retail outlet and produce a salad and soup bar and marketable products and services. A wide range of employment is available within the many supermarket and retail stores in the County.

