

# PRACTICAL ARTS

SUBCATEGORIES	COURSE OFFERINGS	SEMESTERS	GRADE LEVEL	PAGE
<b>AGRICULTURE</b>				
	Agriscience I	2	9, 10	31
	Agriscience II	2	10	31
	Animal & Veterinary Science Technology	1	11,12	32
	Landscape & Turfgrass Science Technology	1	11, 12	32
	Agriculture Engineering Mechanics	1	11, 12	32
	Agriculture Engineering Construction	1	11, 12	33
	Agribusiness	2	12	33
<b>WORK &amp; FAMILY LIFE</b>				
	Living Skills	2	9, 10, 11,12	34
	Food I & II	1	10, 11, 12	34
	Parenting	1	10, 11, 12	35
	Sports Nutrition	1	10, 11, 12	35
	Family Relations	1	11, 12	35
<b>INDUSTRIAL TECHNOLOGY</b>				
	CAD I	2	9, 10, 11, 12	36
	Wood Technology	2	9, 10, 11, 12	37
	CAD II	2	10, 11, 12	36
	Cabinetmaking	2	10, 11, 12	37
	CAD III	2	10, 11, 12	36
	Advanced Cabinetmaking	2	11, 12	37

**\*\*FEES SUBJECT TO CHANGE**

## AGRICULTURE

All Students in an agriculture course are required to be members of the FFA based upon Public Law 105-225 passed August 12, 1998.

All Students in an agriculture course are required to pay the FFA Dues, which are separate than the class fee.

All Students in an agriculture course are required to have a working supervised agricultural experience program that will be a part of their grade.

All students will be required to pass safety exams before working in the workshop laboratory.

Only one Agriculture elective per student per year, unless permission from instructor.

### AGRISCIENCE I -721

Prerequisites: None

Length of course: Full year

Credit: 1

Course Fee: \$15.00

For: Grades 9,10 (11-12 with permission of the instructor only)

Description: Students will explore the broad field of agriculture using science based inquiry and discovery. Plant and animal production will be the focus while studying soil science, agronomy, animal science, biotechnology and other emerging technology in agriculture. Additionally, students will develop speaking and leadership skills through FFA, as well as demonstrate knowledge of tools and applications. Students will be required to pass a safety exam before working in the laboratory. Students will be encouraged to participate in FFA to work toward the FFA Greenhand Degree Award.

### AGRISCIENCE II - 722

Prerequisites: Agriscience 1

Length of Course: Full year

Credit: 1

Course Fee: \$15.00

For: Grade 10 or permission of the instructor

Description: This course is designed to build on Agriscience I. Skills gained in Agriscience I will be strengthened as well as adding new areas of achievement. Working with metals and small engines will be traditional skills gained in this course to learn basic skills. Further development in speaking and leadership skills will be gained through FFA. Students will be encouraged to continue to develop SAE programs and be involved in FFA activities in working toward an FFA Chapter Degree Award.

### ANIMAL & VETERINARY SCIENCE TECHNOLOGY - 723

Prerequisites: Agriscience I

Length of course: 1 Semester (Fall) ~ (Must also enroll in course 728 or 726)

Credit: 1/2

Course Fee: \$5.00

For: Grades 11& 12 or permission of instructor

Description: This is an advanced course in the study of animal agriculture as well as sciences involved in large and small animal care. Basic knowledge of animals gained in Agriscience I is the only necessary prior experience but an interest in animals and/or personal experience with animals is beneficial. This course will be valuable for students ranging in interest from owning small pets to students hoping to have a career in animal production or veterinary sciences. Skills to further speaking and leadership abilities will be a part of the course to work toward FFA Chapter and State Degree Awards.

### LANDSCAPE & TURFGRASS SCIENCE TECHNOLOGY - 728

Prerequisites: Agriscience I

Length of Course: 1 Semester (Spring) ~ (Must also enroll in course 723 or 725)

Credit: 1/2

Course Fee: \$5.00

For: Grades 11& 12 or permission of instructor

Description: This course is designed to gain knowledge in landscaping through investigation of horticultural plants, insects and diseases. Students will use skills learned as applied to landscape design, chemical application, and plant selection. Skills to further speaking and leadership abilities will be a part of the course to work toward FFA Chapter and State Degree Awards.

### AGRICULTURE ENGINEERING MECHANICS - 725

Prerequisites: Agriscience I

Length of Course: 1 Semester (Fall) ~ (Must also enroll in course 726 or 728)

Credit: 1/2

Course Fee: \$15.00

For: Grades 11 & 12 or permission on instructor

Description: This course is designed to gain the traditional skills in building and maintenance of agricultural machinery. Basic skills developed in Agriscience I & II will be developed into advanced metal work and engines. Additionally, students will learn explore equipment and their applications while developing skills in hydraulics, lubrication, and troubleshooting. Skills to further speaking and leadership abilities will be a part of the course to work toward FFA Chapter and State Degree Awards.

## AGRICULTURE ENGINEERING CONSTRUCTION -726

Prerequisites: Agriscience I

Length of Course: 1 Semester (Spring) ~ (Must also enroll in course 723 or 725)

Credit: 1

Course Fee: \$15.00

For: Grades 11& 12 or permission of instructor

Description: This course is designed to gain specific skills in construction as can be applied to agriculture. Areas to be explored are soil sciences, electricity, masonry, and wood frame buildings. Skills to further speaking and leadership abilities will be a part of the course to work toward FFA Chapter and State Degree Awards.

## AGRIBUSINESS - 727

Prerequisites: Agriscience I

Length of Course: Full Year

Credit: 1

Course Fee: None

For: Grades 12 ONLY

Description: Students will use knowledge gained in other agricultural courses to develop ideas of sound business strategies. Public speaking and leadership will be the focus of the course as dealing with career skills in interviewing, advertisement, risk management, and customer satisfaction. Students will be encouraged to complete minimum requirements toward earning the FFA Chapter and State Degree Awards.

## WORK AND FAMILY LIFE

### LIVING SKILLS - 701

Prerequisites: None

Length of Course: 2 semesters

Credit: 1

Course Fee: \$30.00

For: Grades 9, 10, 11,12

Description: This Family and Consumer Science course is for both males and females. Students improve personal development through discussion of self-esteem, stress and conflict, value, and sexuality. Students learn how to select and prepare nutritious foods and plan clothing needs through lab experiences. Family relationships and child development will be explored. This course helps students learn to make wise consumer choices, maintain a health living environment, and set goals for a successful future.

### FOODS I – 705

Prerequisites: Living Skills

Length of Course: 1 semester

Credit: 1/2

Course Fee: \$25.00

For: Grades 10, 11, 12

Description: The class's central theme is the relationship between food choices and good health. Topics covered in the course include food preparation and proper equipment use, food and psychological needs, purchasing and storing food, nutrition promotion and food choices. Students will plan and prepare complete meals in a laboratory setting.

### FOODS II -707

Prerequisites: Foods I

Length of Course: 1 semester

Credit: ½

Course Fee: \$25.00

For: Grades 10,11,12

Description: The central theme of Foods II will still be the relationship between Food Choices and good health, just as Foods I. Topics that will be discussed will be Foreign Foods, Outdoor Cooking, Holiday Cooking, Chocolate, Salads, Breads, and Cake Decorating. Students will plan and prepare complete needs in a lab setting.

## PARENTING – 706

Prerequisites: Living Skills

Length of Course: 1 semester

Credit: ½

Course Fee: None

For: Grades 10, 11, 12

Description: This course is for male and female students. It is a study of human development and parenting skills. Included are discussions of reasons to become a parent, parenting roles in today's society, pre-natal health and development, post-natal needs of parent and child, plus mental development needs of children. There is the opportunity to experience the "Baby Think It Over" infant simulator as an out-of-class assignment, if desired. An alternative project will be made available to students not wishing to parent a "Baby think It Over". In addition, positive parent-child relationships, and ways that society can share in nurturing children will be discussed. The class concludes with a six-session playschool for preschoolers that is planned and executed by the class members.

## SPORTS NUTRITION – 709

Prerequisites: Living Skills

Length of Course: 1 semester (Next offered in 2012 – 2013 school year and then in alternate years)

Credit: ½

Course Fee: \$20.00

For: Grade 10, 11, 12

Description: This course is designed for students who are interested in improving their bodies by using physical conditioning and nutrition. It's purpose is to educate the students toward good conditioning and nutrition for optimum performance. Students will learn about proper foods to eat based on their activity level. Students will be able to prepare these nutritious meals. Also stressed will be conditioning to prevent injuries and good body control during physical activity.

## FAMILY RELATIONS – 708

Prerequisites: Living Skills

Length of Course: 1 semester (will be offered again in 2011 – 2012 and then in alternate years)

Credit: 1/2

Course Fee: None

For: Grade 11 & 12

Description: This course is designed for both males and females. The significance of building and maintaining healthy family relationships throughout the life cycle will be covered. A major focus will be on teenage and young adult problems, beliefs and actions. Multiple roles, stresses, conflicts and crises will be included as well as discussion of mate selection, the engagement, the wedding, and adjustments in marriage and parenting.

## INDUSTRIAL TECH

### CAD I (COMPUTER AIDED DESIGN) – 715

Prerequisites: None

Length of Course: 2 semesters

Credit: 1.0

Course Fee: \$20.00

For: Grades 9,10, 11, 12

Description: This course is designed to introduce the student to basic CAD. The student will learn basic computer terminology. They will design and draw every assignment on the computer. The programs used in class will be CAD programs used in Industry and Technical schools. The class will be a great course for a student interested in introduction to Vocational, Technical or Engineering programs.

### CAD II (COMPUTER AIDED DESIGN) - 716

Prerequisites: CAD I

Length of Course: 2 semesters

Credit: 1.0

Course Fee: \$20.00

For: Grades 10, 11, 12

Description: The students will design and draw houses on the CAD program while learning basic computer terminology along with house design and blueprint reading.

### CAD III (COMPUTER AIDED DESIGN) – 717

**This course not offered for 2011-2012**

Prerequisite: CAD I

Length of Course: 2 semesters

Credit: 1.0

Course Fee: \$20.00

For: Grade 10,11,12

Description:

## WOOD TECHNOLOGY – 711

Prerequisites: None

Length of Course: 2 semesters

Credit: 1

Course Fee: \$25.00 (Plus project material fees which may cost between \$50 - \$100)

For: Grades 9, 10, 11, 12

Description: This course is general in nature and provides an introduction to the woodworking area. The student will learn how to safely use hand tools and woodworking machinery. The student will design and build a cabinet along with construction of other various small projects. The course will cover machine operation, layout, joints, assembly, and finishing processes.

## CABINETMAKING - 712

Prerequisites: Wood Technology

Length of Course: 2 semesters

Credit: 1

Course Fee: \$25.00 (Plus project material fees which may cost between \$85 - \$150)

For: Grades 10, 11, 12

Description: In cabinetmaking, all projects will continue to emphasize design, bill of materials, layout, and order of operations, drawing of plans, safety, machine operations, and construction of a cabinet.

## ADVANCED CABINETMAKING - 713

Prerequisites: Cabinetmaking

Length of Course: 2 semesters

Credit: 1

Course Fee: \$25.00 (Plus project material fee which may cost between \$85 - \$150))

For: Grades 11, 12

Description: In this class students will further emphasize the design process through the construction of a project.