

A Curriculum Guide for
Fillmore Central Public Schools
Grades K-12

Agricultural Education Careers Education

Industrial, Manufacturing, and Engineering Systems ~ **IMES**
Family Consumer Science
Business and Information Technology

Approved: June 2008

Curriculum Committee:

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TITLE: Agriculture 8

DESCRIPTION

This semester course is designed to acquaint students with the industry of Agriculture. Emphasis will be given to skills needed in the major agriculture areas which included: mechanics, plant and soil science, natural resources, animal science, management and leadership. The course is fast moving and experience oriented. Everything that is discussed will be experienced by the students to familiarize them with agriculture. This is a semester elective open to 8th grade students only.

CATEGORICAL OBJECTIVES

1. TLW study Nebraska agriculture including the importance of, Nebraska's rank nationally, and careers in Nebraska agriculture.
2. TLW study FFA in Nebraska including the importance of and activities.
3. TLW analyze leadership and compare and contrast styles and will interpret qualities of leaders.
4. TLW study natural resources (soil, water, plants) including the major categories, natural ecosystems, food chains, and careers.
5. TLW examine agriculture mechanics including skills needed, safety, and careers.
6. TLW examine livestock including popular types of livestock in NE, breeds, diets, health.

WRITING ACTIVITIES

1. Students will be required to write a report on Nebraska agriculture including an introduction, body and conclusion.
2. Each student will be required to take a test, or series of tests which will include vocabulary (fill-in-the-blank) and essay questions.
3. Each student will write a report on their favorite leader.

MULTICULTURE ACTIVITIES

1. Students will be exposed to a series of multicultural activities which will include:
 - A. Understanding that people of many cultures contributed to the development of agriculture.
 - B. Recognize the contributions of women and "minorities" to agriculture.

Plant Science

- PS-1 TLW describe how agriculture meets basic human needs.
- PS-2 TLW name important crop groups and give examples of each.
- PS-3 TLW identify career and entrepreneurship opportunities and expectations.
- PS-4 TLW explain sustainable resource use and its effect on quality of life.
- PS-5 TLW describe the role of plant and soil science, including conservation and research.
- PS-6 TLW describe the role of science and technology in plant production, including the use of precision technology.
- PS-7 TLW list the major crops grown in Nebraska and the United States and identify the location where they are grown.
- PS-8 TLW illustrate and identify the characteristic processes of photosynthesis, respiration, transpiration, and absorption.
- PS-9 TLW compare life cycles of plants and how plants grow.
- PS-10 TLW describe the structure, functions and uses of major plant parts (food and fiber).
- PS-11 TLW distinguish and explain the ways plants reproduce, including sexual and asexual methods.
- PS-12 TLW sketch the formation and structure of seeds.
- PS-13 TLW experiment and test the conditions of seed germination.
- PS-14 TLW investigate genetics and breeding in plant reproduction, including genetic engineering.
- PS-15 TLW illustrate the cellular structure of plants.
- PS-16 TLW describe the role of plant hormones.
- PS-17 TLW describe the nutrient needs of plants and identify signs of nutrient deficiencies.
- PS-18 TLW identify common field crops and pests.
- PS-19 TLW explain the proper procedures to use when handling, mixing, and applying crop chemicals.
- PS-20 TLW describe the use of fertilizer and other soil amendments.
- PS-21 TLW describe water management and the use of irrigation.
- PS-22 TLW describe the role of pest management.
- PS-23 TLW explain the meaning and nature of soil.
- PS-24 TLW explain the process of soil formation, the physical properties of soil, and assess soil profiles.
- PS-25 TLW describe water relationships in the soil.

PS-26	TLW explain the features and uses of land.
PS-27	TLW describe and select soil conservation practices that will reduce soil erosion.
PS-28	TLW determine soil textures, permeability, slope, land capability class, and recommend land treatments.
PS-29	TLW interpret soil survey reports and write and interpret a legal land description.
PS-30	TLW explain the concepts of conventional tillage, conservation tillage, no till, and other land preparation practices.
PS-31	TLW describe the meaning and importance of soil fertility, including the relationship of soil pH.
PS-32	TLW describe nutrient diagnostic procedures.
PS-33	TLW recall scientific names for crops and weeds.
PS-34	TLW match damage type and causes to common crop pests.
PS-35	TLW research a Nebraska grown crop and create a power point to present to the class.
PS-36	TLW examine differences and similarities of various cultures as related to content area.

Introduction to Agriculture

IAg-1	TLW describe the importance of agricultural science and technology.
IAg-2	TLW explore, research and report on career opportunities in agriculture and agribusiness.
IAg-3	TLW appraise the impact agriculture has on our society.
IAg-4	TLW relate our society to underdeveloped countries with a poor agriculture industry.
IAg-5	TLW investigate agricultural inventions and practices that have improved our society.
IAg-6	TLW define common livestock gender terms for cattle, sheep, swine, chickens, and horses.
IAg-7	TLW identify common cattle, sheep, and swine breeds.
IAg-8	TLW give examples of livestock feed roughages and concentrates.
IAg-9	TLW evaluate classes of market livestock and breeding livestock.
IAg-10	TLW evaluate live animals for carcass characteristics.
IAg-11	TLW defend their selection placing of livestock classes with oral reasons.
IAg-12	TLW calculate yield grades of market cattle and market swine.
IAg-13	TLW evaluate parcels of land to determine the land's capability.
IAg-14	TLW analyze parcels of land to determine the land's correct treatment practices.
IAg-15	TLW demonstrate correct parliamentary procedures for conducting meetings.
IAg-16	TLW match FFA officer stations and duties to the office.
IAg-17	TLW explore the leadership opportunities available through the FFA.
IAg-18	TLW identify the parts of the FFA emblem and their significance.
IAg-19	TLW examine differences and similarities of various cultures as related to content area.

Agriculture Enrichment

- AgE-1 TLW explore and research career opportunities in agriculture.
- AgE-2 TLW recognize the importance of conservation and management to the sustainability of the environment.
- AgE-3 TLW define common livestock gender terms for cattle, sheep, swine, chickens, and horses.
- AgE-4 TLW research and exhibit common characteristics of livestock.
- AgE-5 TLW categorize livestock feed needs, such as maintenance, growth, production, and reproduction.
- AgE-6 TLW categorize livestock feed types, such as carbohydrates, fats, proteins, minerals, and vitamins.
- AgE-7 TLW describe and match structures and functions of plants.
- AgE-8 TLW identify common trees and their uses in landscape.
- AgE-9 TLW recognize signs of normal and abnormal health and behavior of small animals.
- AgE-10 TLW list common diseases of small animals.
- AgE-11 TLW compare and contrast pet food labels for nutrient values and ingredients.
- AgE-12 TLW demonstrate training techniques for simple pet obedience.
- AgE-13 TLW research and portray information of a common companion animal.
- AgE-14 TLW compare and contrast the different soil types and particle sizes.
- AgE-15 TLW infer reasons for soil management and erosion prevention.
- AgE-16 TLW predict results of demonstrated soil erosion practices.
- AgE-17 TLW create a timeline of the National FFA Organization history.
- AgE-18 TLW describe membership requirements for the National FFA Organization.
- AgE-19 TLW recognize opportunities in the National FFA Organization.
- AgE-20 TLW examine differences and similarities of various cultures as related to content area.

Animal Science

AnS-1	TLW discuss briefly the history of the domestication of farm animals.
AnS-2	TLW list and explain the functions of livestock.
AnS-4	TLW analyze the livestock industry in the United States.
AnS-5	TLW identify employment opportunities in livestock production systems.
AnS-6	TLW identify governmental and legal issues concerning livestock production systems and the livestock industry.
AnS-7	TLW demonstrate production practices outlined by quality assurance programs.
AnS-8	TLW understand economic value of livestock to Nebraska and the United States.
AnS-9	TLW recognize and discuss current social issues that affect the livestock industry.
AnS-10	TLW identify appropriate and inappropriate livestock ethics.
AnS-11	TLW name, locate, and describe the functions of the parts of the digestive systems of ruminant and nonruminant animals.
AnS-12	TLW classify farm animals as ruminant or nonruminant.
AnS-14	TLW identify the major functions of the basic nutrient groups and feeds which are sources of each.
AnS-15	TLW discuss the general use and purpose of feed additives and hormone implants, as well as proper hormone implantation.
AnS-17	TLW discuss labeling and regulation of feed additives.
AnS-18	TLW discuss health issues and concerns relating to the use of feed additives.
AnS-19	TLW balance livestock rations using commonly accepted practices.
AnS-20	TLW explain how genetics relates to improvement in livestock production.
AnS-21	TLW identify and describe the functions of the male and female reproductive organs.
AnS-22	TLW explain the importance of maintaining healthy livestock and identify and recommend prevention and treatment of pests.
AnS-23	TLW name and describe various breeds of livestock including their origin and breed characteristics.
AnS-24	TLW will select and evaluate classes of livestock.
AnS-25	TLW classify feeds as roughage or concentrates.
AnS-26	TLW describe reproductive failures that may occur.

- AnS-27 TLW define fertilization, gestation, parturition, and estrus cycle.
- AnS-28 TLW examine differences and similarities of various cultures as related to content area.

Ag Mechanics

- AM1 TLW safely use lab tools and equipment.

AM2	TLW follow safety rules regarding face, eye, hearing, appendages, and respiratory protection.
AM3	TLW follow safety procedures when operating an engine.
AM4	TLW identify tools used for the maintenance and overhaul of small engines.
AM5	TLW distinguish between the operations of a 4 cycle engine and a 2 cycle engine.
AM6	TLW describe the 4 cycles of a 4 cycle engine and the principal operations of a 4 cycle engine.
AM7	TLW disassemble and properly reassemble a small engine to properly start and run.
AM8	TLW troubleshoot engine(s) that do not properly start or run.
AM9	TLW identify parts of the oxy-acetylene, stick welding, and wire welding equipment and correctly operate it.
AM10	TLW perform cutting skills with oxy-acetylene torch and plasma cutter.
AM11	TLW weld various joints in the flat or vertical position for oxygen-acetylene, stick, and wire welding.
AM12	TLW recognize the equipment and equipment maintenance required for OA, stick, and wire welding.
AM13	TLW construct an individual project decided by the instructor.
AM14	TLW design and build his/her own metals construction project.
AM15	TLW assist the instructor and classmates with community needed project construction.
AM16	TLW examine differences and similarities of various cultures as related to content area.

AgriBusiness

AB1	TLW describe the importance and purposes of keeping records and identify record book components.
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- AB2 TLW analyze cash flow projections, determine repayment capacity, identify credit types, needs, and sources.
- AB3 TLW explain the principles of supply and demand, market functions, and strategies.
- AB4 TLW determine customer needs and prepare and give a sales presentation using the six (6) steps of the sales process.
- AB5 TLW define agribusiness and name the three sectors.
- AB6 TLW identify the skills needed in agribusiness occupations.
- AB7 TLW identify and explain the four kinds of productive resources and methods of obtaining them.
- AB8 TLW explain the relationship of e-commerce to entrepreneurship.
- AB9 TLW identify the roles of producers and consumers in the marketplace.
- AB10 TLW describe risk management and methods of controlling it.
- AB11 TLW explain and use the six step decision making process and how it relates to buying.
- AB12 TLW explain market, marketing, and agrimarketing.
- AB13 TLW explain and give examples of the concept value-adding.
- AB14 TLW list and describe marketing functions and institutions.
- AB15 TLW describe the types and roles of integrators.
- AB16 TLW describe the meaning, importance, channels, and intermediaries of input marketing.
- AB17 TLW examine differences and similarities of various cultures as related to content area.

Natural Resources Curriculum

- NR1 TLW list and describe natural resources and its categories.

NR2	TLW describe historical changes in our natural resources and the laws that have changed the conservation and use of our natural resources.
NR3	TLW distinguish between inexhaustible, exhaustible, nonrenewable, and renewable natural resources.
NR4	TLW explain the role of ecosystems, food chains, the affect humans have on our natural resources.
NR5	TLW illustrate the process of soil formation.
NR6	TLW demonstrate soil erosion and methods of erosion control and describe and illustrate the sources of erosion.
NR7	TLW compare and contrast different types of soil.
NR8	TLW evaluate land sites based on Nebraska Land Judging contest guidelines.
NR9	TLW locate places on a soil survey map and determine what soils are present in the locations.
NR10	TLW use soil survey book to determine characteristics and “use factors” of different soil types.
NR11	TLW explain why land-use planning is important to our ecosystem and our economy.
NR12	TLW illustrate and explain the hydrologic cycle.
NR13	TLW explain the main water users and water polluters.
NR14	TLW describe how water is purified and/or treated before human use.
NR15	TLW create a plan of how to reuse water and/or reduce the amount of water used.
NR16	TLW compare and contrast forests in the United States.
NR17	TLW compare and contrast extinct and endangered species of wildlife and the reasons for their endangerment.
NR18	TLW identify the habitat requirements of wildlife.
NR19	TLW explain the most commonly accepted methods of game management.
NR20	TLW describe the ocean and marine wildlife and its uses.
NR21	TLW discuss the uses and management of a farm pond.
NR22	TLW list the characteristics of the common freshwater fish.
NR23	TLW locate a parcel of land with a given legal description.
NR24	TLW list the legal description of a parcel of land.
NR25	TLW research and present required information on a wildlife animal.

NR26 TLW examine differences and similarities of various cultures as related to content area.

Horticulture Curriculum

Hort1 TLW discuss the scope, size, and economic importance of the horticulture industry in the United States.

Hort2	TLW describe careers in the horticulture industry, including working conditions and educational and personal requirements.
Hort3	TLW explain why scientific plant names are used and the differences between genus, species, and variety.
Hort4	TLW list plants by their common and scientific binomial names.
Hort5	TLW list and describe the purpose of the four main parts of plants.
Hort6	TLW explain the process of photosynthesis and pollination.
Hort7	TLW explain the major structural differences between dicot and monocot.
Hort8	TLW list factors that affect roots of plants.
Hort9	TLW describe the differences between clay, sandy, and loam soils and identify a sample of each.
Hort10	TLW explain how to improve soil drainage and increase moisture retention of soil.
Hort11	TLW explain what is meant by the pH value of soil.
Hort12	TLW list aboveground requirements for good plant growth.
Hort13	TLW list the major plant food elements and two functions of each.
Hort14	TLW list examples of substances used to stimulate plant growth.
Hort15	TLW explain why chemical retardants are applied to floral crops and name two commonly used retardants.
Hort16	TLW explain the types, uses, and application of rooting hormones.
Hort17	TLW explain the process of the rootstock method.
Hort18	TLW define biostimulants.
Hort19	TLW identify the parts of a seed and the functions of each.
Hort20	TLW prepare a medium for seeds, sow seeds, and provide the proper conditions for germination.
Hort21	TLW identify the main routes by which pesticides enter the body.
Hort22	TLW list the major concerns in caring for interior plants.
Hort23	TLW list and explain advantages and disadvantages of container growing.
Hort24	TLW identify uses of annual flowers and explain the steps in preparing the soil.
Hort25	TLW design a layout and list the environmental factors for a perennial garden.
Hort26	TLW list ways in which broadleaf evergreens are used in the landscape.

Hort27	TLW list and describe the functions of trees and ground covers in landscapes.
Hort28	TLW design a bulb garden, calculate number of bulbs needed and the costs, and correctly plant a bulb garden.
Hort29	TLW list the reasons, describe the types, and demonstrate proper pruning.
Hort30	TLW list the main objectives of good residential landscaping.
Hort31	TLW explain reasons for establishing and maintaining the lawn.
Hort32	TLW list items to consider when choosing the location of a vegetable garden.
Hort33	TLW list, identify, and describe various requirements of common garden vegetables.
Hort34	TLW identify the types of flowers used in floral design.
Hort35	TLW list and describe the nine basic principles of floral design.
Hort36	TLW design and produce a floral arrangement.
Hort37	TLW maintain and improve the school's landscape and outdoor classroom.
Hort38	TLW examine differences and similarities of various cultures as related to content area.

Leadership Development

LD1	TLW define leadership and identify the characteristics of leadership.
LD3	TLW identify leadership opportunities available in daily life.
LD4	TLW define personal growth and describe the importance of personal growth.

LD6	TLW synthesize ideas of experiencing personal growth.
LD7	TLW define career success and identify skills necessary to reach career success.
LD8	TLW explain why effectively contributing to society is important to career success.
LD10	TLW describe the four stages of development and identify the components.
LD13	TLW identify different types of leadership styles.
LD14	TLW define servant leadership and experiential leadership.
LD16	TLW create a plan to include leadership activities in personal and extracurricular activities.
LD17	TLW define values, beliefs, character, and integrity.
LD18	TLW explain how the understanding of values, beliefs, character, and integrity assist you as a leader.
LD19	TLW define core values and identify personal values and the benefit of living by personal values.
LD20	TLW identify personal beliefs and influencers of beliefs.
LD22	TLW compare and contrast living with or without responsibility and accountability.
LD23	TLW explain the concepts, importance, and benefits of character and integrity, and include examples.
LD25	TLW analyze the need for leaders and ways they can lead others.
LD26	TLW examine the importance of developing a personal vision.
LD27	TLW envision his/her own personal vision of his/her future goals.
LD28	TLW share his/her vision with others that can help them obtain his/her vision.
LD29	TLW predict possible roadblocks of reaching his/her vision and create possible solutions to roadblocks.
LD30	TLW identify famous, historical leaders and research the impact he/she had on society.
LD31	TLW cite examples of pivotal times in US history where leaders were needed and how the situations were handled.
LD32	TLW assess the need of positive self esteem and personal belief in one's self and abilities.
LD33	TLW complete a leadership style survey to determine personal strengths.
LD34	TLW compare his/her strengths with those of classmates.
LD35	TLW appraise how his/her strengths mesh or clash with others and evaluate the importance of being able to work together.

Beginning Accounting

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| BA-1 | TLW apply generally accepted accounting principles to determine the value of assets, liabilities, and owner's equity. |
| BA-2 | TLW use mathematical concepts to complete theoretical and applied financial transactions. |
| BA-3 | TLW explain the purpose and complete the steps in the accounting cycle for sole proprietorship (service) and partnership (merchandising) businesses. |

- BA-4 TLW apply principles of checks and balances as they relate to various accounting systems.
- BA-5 TLW prepare, interpret, and analyze financial statements using manual and computerized systems for service and merchandising businesses, in addition to personal applications.
- BA-6 TLW use planning and control principles to evaluate the performance of an organization through interpretation and use of data.
- BA-7 TLW utilize special applications to learn how to process payroll, inventory control, and income taxation.
- BA-8 TLW identify employment opportunities in the field of accounting and related occupations.
- BA-9 TLW analyze and discuss the ethics of common business situations.
- BA-10 TLW apply computer and related technologies to accounting concepts (spreadsheets, accounting software, automated simulation).
- BA-11 TLW examine differences and similarities of various cultures as related to content area.

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Advanced Accounting

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| AA-1 | TLW explain the purpose and complete the steps in the accounting cycle for corporate accounting. |
| AA-2 | TLW identify and apply accounting concepts and practices related to departmentalized accounting. |
| AA-3 | TLW define accounting terms related to the framework of accounting and the forms of business organization. |
| AA-4 | TLW identify a variety of career opportunities and demonstrate the abilities, attitudes, and ideals relating to the accounting profession. |
| AA-5 | TLW compare and analyze various depreciation methods and their impact on the financial statements. |
| AA-6 | TLW apply accounting procedures and practices related to inventory control, budgetary planning, and financial statement analysis. |
| AA-7 | TLW demonstrate practices related to controlling accounts receivable, including uncollectible accounts, write-offs, and recoveries. |
| AA-8 | TLW analyze the accounting procedures for notes payable and receivable and be able to establish and maintain accounts for payables and receivables and related interest. |
| AA- 9 | TLW describe the management process and analyze accounting data for managerial use. |
| AA-10 | TLW manage computer and related technologies to solve and present accounting data. |
| AA-11 | TLW examine differences and similarities of various cultures as related to content area. |

Personal Finance

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| PF-1 | TLW develop and utilize a sound decision-making process as it applies to the roles of consumer, worker, and citizen. |
| PF-2 | TLW develop and utilize a sound decision-making process based upon his/her individual goals and values. |
| PF-3 | TLW identify various forms of income, outline factors that affect income as a part of the career decision-making process, and determine one's net pay. |
| PF-4 | TLW utilize personal and community resources to facilitate greater satisfaction in making wise money management decisions. |
| PF-5 | TLW analyze and discuss factors that affect the choice of credit, cost of credit and legal aspects of credit, including identity theft prevention. |
| PF-6 | TLW identify financial services and resources (online banking, etc.) and apply basic financial management principles. |
| PF-7 | TLW summarize choices available to consumers for protection against risk and financial loss (i.e. auto, home, health, and life insurance). |
| PF-8 | TLW evaluate saving and investment options to meet short and long-term goals, including knowledge of present and future value of money. |
| PF-9 | TLW analyze the impact of taxes on personal financial planning, including sales, property, income taxes, and estate planning. |
| PF-10 | TLW develop and evaluate a personal financial plan based on individual resources. |
| PF-11 | TLW develop job search and application skills including interviewing and resume writing. |
| PF-12 | TLW appraise transportation options and costs associated with each option. |
| PF-13 | TLW appraise housing options and aspects associated with each option (needs, wants, costs, landlords, tenants, and leases). |
| PF-14 | TLW examine differences and similarities of various cultures as related to content area. |

Business Law

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| BL-1 | TLW discuss the basics of law and analyze the relationship between ethics and the law. |
| BL-2 | TLW compare and contrast the sources of law including constitutional law, statute law, case law, and administrative law. |
| BL-3 | TLW distinguish between civil and criminal law. |
| BL-4 | TLW differentiate among the penalties for committing felonies and misdemeanors. |
| BL-5 | TLW identify the function of the court system. |
| BL-6 | TLW distinguish and examine a variety of business crimes (ex. arson, forgery, bribery, embezzlement, etc.). |
| BL-7 | TLW analyze consumer law as it applies to minors. |
| BL-8 | TLW analyze and discuss labor and employment issues as they relate to the conduct of business. |
| BL-9 | TLW analyze and discuss the relationship between contract law, law of sales, and consumer law. |
| BL-10 | TLW describe legal rules that apply to personal property and real property. |
| BL-11 | TLW appraise legal ramifications of selected current events occurring in the United States. |
| BL-14 | TLW examine differences and similarities of various cultures as related to content area. |

Entrepreneurship/Small Business Management

Ent-1	TLW identify entrepreneurial characteristics and the role of the entrepreneur in business, utilize the problem-solving process and discuss opportunities to work in the competitive corporate world.
Ent-2	TLW compare and contrast types of business ownership including proprietorships, partnerships, corporations, and franchises.
Ent-3	TLW comprehend and interpret the changing nature of business by comparing local and regional businesses demographics and trends to the global marketplace.
Ent-4	TLW recognize the responsibilities involved in owning one's own business and analyze the many activities, problems and decisions involved in operating a business.
Ent-5	TLW define and apply economic concepts (price, profit, risk, government role) when making decisions for an entrepreneurial venture.
Ent-6	TLW maintain and utilize financial records to determine cash needs, identify sources and types of funding and interpret financial statements.
Ent-7	TLW describe the affect of cultural differences, export/import opportunities and trends on an entrepreneurial venture in the global marketplace.
Ent-8	TLW develop a management plan that describes establishing goals, hiring employees, building teams, and monitoring achievement and risk.
Ent-9	TLW compare and contrast marketing activities and techniques used by businesses to identify and establish a target market.
Ent-10	TLW develop and communicate the elements of a business plan designed for organizing and operating a business.

Career Education

- C-1 TLW examine aptitudes related to career options; relate personal characteristics and interests to educational and occupational opportunities (Nebraska Career Connections, Kuder assessments).
- C-2 TLW explore career opportunities and projected trends by gathering, evaluating, using, and citing employment information from print and online resources (NCIS, Chronicle Guides, OOH, NE Career Connections).
- C-3 TLW determine realistic personal and professional goals.
- C-4 TLW examine a career cluster, pathway, and specific occupation in depth.
- C-5 TLW use information gathered from the career field/cluster model, foundation knowledge and skills, career exploration, and goal setting to develop a Personal Learning Plan (PLP).
- C-6 TLW follow the PLP when registering for classes.
- C-7 TLW complete employment documents (application, resume).
- C-8 TLW compile a portfolio of career materials.
- C-9 TLW participate in shadowing, mentoring, internships, or volunteer experiences in the community to prepare for transition from school to work.
- C-10 TLW examine differences and similarities of various cultures as related to content area.

5th Grade

- 5-IT-1 TLW understand class rules and regulations.
- 5-IT-2 TLW share and assume responsibilities.
- 5-IT-3 TLW assist in shop maintenance and clean-up.
- 5-IT-4 TLW utilize written and oral directions.
- 5-IT-5 TLW understand the universal system.
- 5-IT-6 TLW define areas of technology (communication, transportation, manufacturing, construction, and biotechnology).
- 5-IT-7 TLW understand the history and future of robotics.
- 5-IT-8 TLW apply a problem-solving process to arrive at a workable solution to a robotics problem.
- 5-IT-9 TLW interact in a group to make informed decisions.
- 5-IT-10 TLW safely design and construct Lego Robots to inform, persuade, or entertain.
- 5-IT-11 TLW develop skills to process information.
- 5-IT-12 TLW demonstrate how to properly use a ruler.
- 5-IT-13 TLW examine differences and similarities of various cultures as related to content area.

Industrial Technology – Communication Technology
6th Grade

- 6-CT-1 TLW understand class rules and regulations.
- 6-CT-2 TLW share and assume responsibilities.
- 6-CT-3 TLW assist in shop maintenance and clean-up.
- 6-CT-4 TLW utilize written and oral directions.
- 6-CT-5 TLW list how the human sensory system contributes to communication.
- 6-CT-6 TLW demonstrate an example of audio, visual, and/or audio-visual communication.
- 6-CT-7 TLW apply a problem-solving process to arrive at a workable solution to a communication problem.
- 6-CT-8 TLW interact in a group to make informed decisions.
- 6-CT-9 TLW identify and safely apply the laser model to inform, persuade, or entertain.
- 6-CT-10 TLW develop skills to process information.
- 6-CT-11 TLW reinforce systems of communication by exploring and applying knowledge and skills from the other curricular areas.
- 6-CT-12 TLW demonstrate how to properly use a ruler.
- 6-CT-13 TLW understand the history and future of communication.
- 6-CT-14 TLW operate lasers and learn their purpose in communication.
- 6-CT-15 TLW use drafting tools correctly.
- 6-CT-16 TLW draw different types of drafting views.
- 6-CT-17 TLW plan intermediate and long term goals as related to his/her life.
- 6-CT-18 TLW understand the history and future of photography.
- 6-CT-19 TLW understand how a camera works.
- 6-CT-20 TLW develop an understanding of different printing processes.
- 6-CT-21 TLW examine differences and similarities of various cultures as related to content area.

Industrial Technology – Transportation Technology
7th Grade

- 7-TT-1 TLW understand class rules and regulations.
- 7-TT-2 TLW share and assume responsibilities.
- 7-TT-3 TLW assist in shop maintenance and clean-up.
- 7-TT-4 TLW utilize written and oral directions.
- 7-TT-5 TLW identify characteristics of energy, power, and mechanics.
- 7-TT-6 TLW identify and discuss land, marine, air, and space transportation systems.
- 7-TT-7 TLW identify and list characteristics of transportation.
- 7-TT-8 TLW recognize factors and opportunities in developing a solution to a transportation problem.
- 7-TT-9 TLW apply a problem-solving approach to solve a problem.
- 7-TT-10 TLW formulate decisions based on information and time available.
- 7-TT-11 TLW select and manipulate resources necessary in transportation.
- 7-TT-12 TLW describe a career path in an area of transportation.
- 7-TT-13 TLW understand the history and future of transportation.
- 7-TT-14 TLW problem solve by building a mouse trap car, glider, and hovercraft.
- 7-TT-15 TLW understand the basics of flight.
- 7-TT-16 TLW define parts of an airplane.
- 7-TT-17 TLW discuss principles of an internal combustion engine.
- 7-TT-18 TLW examine differences and similarities of various cultures as related to content area.

Industrial Technology – Manufacturing Technology
8th Grade

- 8-MT-1 TLW understand class rules and regulations.
- 8-MT-2 TLW share and assume responsibilities.
- 8-MT-3 TLW assist in shop maintenance and clean-up.
- 8-MT-4 TLW utilize written and oral directions.
- 8-MT-5 TLW safely operate tools and equipment.
- 8-MT-6 TLW explain what it means to manufacture a quality product.
- 8-MT-7 TLW recognize the four components of the systems approach in the manufacturing of a product.
- 8-MT-8 TLW demonstrate the basic processes involved in custom fabrication and mass production.
- 8-MT-9 TLW develop an awareness and address the effect manufacturing has on the environment.
- 8-MT-10 TLW identify evolving manufacturing technologies.
- 8-MT-11 TLW develop an appreciation for products and inventors.
- 8-MT-12 TLW recognize historical contributions of men and women of different cultures.
- 8-MT-13 TLW identify and describe the differences between renewable and non-renewable resources.
- 8-MT-14 TLW employ a systematic model for problem-solving in materials processing and production.
- 8-MT-15 TLW use team work to accomplish a common goal in manufacturing.
- 8-MT-16 TLW identify characteristics of industrial materials and how they are processed.
- 8-MT-17 TLW demonstrate the ability to integrate basic skills into the manufacturing process.
- 8-MT-18 TLW identify common units of measurement associated with manufacturing materials.
- 8-MT-19 TLW investigate career opportunities related to manufacturing.
- 8-MT-20 TLW understand the history and future of manufacturing.
- 8-MT-21 TLW construct a small woods project in an assembly line format.
- 8-MT-22 TLW examine differences and similarities of various cultures as related to content area.

Cabinetmaking
9th – 12th Grade

Maximum 14 students

CM-1	TLW assist in shop maintenance and clean up
CM-2	TLW demonstrate the respect for tools, equipment and other students
CM-3	TLW determine the importance of cabinetmaking and the hands on skills needed for life
CM-4	TLW apply a problem-solving approach to solve an advanced problem and analyze the solution
CM-5	TLW develop craftsmanship in the construction of a project.
CM-6	TLW apply knowledge of tools and equipment in the construction of projects
CM-7	TLW demonstrate the ability to develop and comprehend both oral and written instructions
CM-8	TLW apply mathematical concepts in the development of projects.
CM-9	TLW Apply the woodworking terms presented into all lab and classroom activities
CM-10	TLW explore and compare various educational avenues necessary for chosen careers
CM-11	TLW demonstrate the ability to choose and to calculate the materials to be used.
CM-12	TLW demonstrate personal and general lab safety and the ability to operate machines safely.
CM-13	TLW recognizes and correct unsafe work practices
CM-14	TLW score 100% on safety test
CM-15	TLW apply knowledge of various cabinet-making techniques to complete a quality project.
CM-16	TLW design detailed plans for chosen project.
CM-17	TLW examine differences and similarities of various cultures as related to content areas.

Application in Construction Technology
Cabinetmaking prerequisite
Maximum 10 students

11th-12th Grade

ACT-1	TLW develop and comprehend written and oral directions.
ACT-2	TLW demonstrate the ability to work safely on a construction site.
ACT-3	TLW demonstrate the ability to work as a team.
ACT-4	TLW use and understand the correct terminology when on the job site.
ACT-5	TLW identify all parts of a structure.
ACT-6	TLW describe the history of architectural styles.
ACT-7	TLW factors affecting building location.
ACT-8	TLW have the ability to find and understand codes in the area for which they want to build.
ACT-9	TLW identify the careers in construction.
ACT-10	TLW describe the relationship between various types of construction: light, commercial, industrial, and civil.
ACT-11	TLW explore new techniques used in the construction fields.
ACT-12	TLW identify different building materials.
ACT-13	TLW assist in shop maintenance and clean-up.
ACT-14	TLW demonstrate respect for tools, equipment, and other students.
ACT-15	TLW apply basic skills in construction including: electrical, plumbing, foundations, framing, roofing, windows and doors, interior and exterior finishes, floor and ceiling.
ACT-16	TLW apply a problem-solving approach to solve an advanced problem and analyze the solution.
ACT-17	TLW develop craftsmanship in the construction of a project.
ACT-18	TLW apply knowledge of equipment in the construction of projects.
ACT-19	TLW apply mathematical concepts in the development of projects.
ACT-20	TLW demonstrate the ability to choose and to calculate the materials to be used.
ACT-21	TLW demonstrate the ability to operate machines, for personal use and lab use, safely.
ACT-22	TLW recognize and correct unsafe work practices.
ACT-23	TLW describe the process of obtaining a building permit.
ACT-24	TLW discuss the process of buying and selling a home.
ACT-25	TLW become certified in lift truck safety.

- ACT-26 TLW demonstrate knowledge in CareerSafe.
- ACT-27 TLW develop and comprehend written and oral directions.

Engineering Design (CAD 1)

EngD-1	TLW demonstrate the proper way to dimension.
EngD-2	TLW identify drafting tools and demonstrate their proper use.
EngD-3	TLW evaluate and employ effective methods of communication.
EngD-4	TLW utilize electronic and graphic systems to send, receive, and process information.
EngD-5	TLW analyze the interaction of humans and technology.
EngD-6	TLW solve problems effectively as an individual and as a member of a group.
EngD-7	TLW employ higher-order thinking skills for solving problems.
EngD-8	TLW utilize ingenuity and creativity in the use of design.
EngD-9	TLW examine career opportunities related to CAD.
EngD-10	TLW demonstrate the ability to develop and comprehend oral and written directions.
EngD-11	TLW analyze the relationship of drawings with other drawings.
EngD-12	TLW compare and contrast mechanical tools of old and new.
EngD-13	TLW understand and recognize the principles of good design, layout, and drafting techniques.
EngD-14	TLW understand the universal language of design in our industry today.
EngD-15	TLW draw isometrics, orthographic, multi-view, sectional, one point, two point, and auxiliary.
EngD-16	TWL apply different measuring techniques.
EngD-17	TLW use sophisticated three-dimensional modeling software to communicate the details of products.
EngD-18	TLW demonstrate proper usage of CAD software.
EngD-19	TLW assemble parts in a virtual world.
EngD-20	TLW prepare a final project and presentation.
EngD-21	TLW examine differences and similarities of various cultures as related to content area.

Architecture Technology (CAD 2)

Engineering Design prerequisite
Maximum 15 students
10 - 12TH Grade

- AT-1 TLW demonstrate the proper way to dimension.
- AT-2 TLW identify drafting tools and demonstrate their proper use.
- AT-3 TLW evaluate and employ effective methods of communication.
- AT-4 TLW utilize electronic and graphic systems to send, receive, and process information.
- AT-5 TLW analyze the interaction of humans and technology.
- AT-6 TLW solve problems effectively as an individual and member of a group.
- AT-7 TLW employ higher-order thinking skills for solving problems.
- AT-8 TLW utilize ingenuity and creativity in the use of design.
- AT-9 TLW examine career opportunities related to architecture.
- AT-10 TLW demonstrate the ability to develop and comprehend oral and written directions.
- AT-11 TLW analyze the relationship of drawings to other drawings.
- AT-13 TLW understand and recognize the principles of good design, layout and drafting techniques.
- AT-14 TLW understand the universal language of design in our industry today.
- AT-15 TLW discuss aspects of a home-manufacturer.
- AT-16 TLW prepare a final project and presentation.
- AT-17 TLW apply different measuring techniques.
- AT-18 TLW use sophisticated three-dimension modeling software to communicate the details of products.
- AT-19 TLW recognize different parts of a structure.
- AT-20 TLW design a functional structure, including: foundation, walls, door and window plan, door and window schedule, and a 3D model. The design may include: electrical, plumbing, HVAC, basement, second story, and create a 3D render.
- AT-21 TLW examine differences and similarities of various cultures as related to content area.

Advanced CAD Systems (CAD III)
Civil, Engineering, Architecture

CADIII-1 TLW develop and implement a self-directed plan for a civil project.

CADIII-2 TLW develop and implement a self-directed plan for an engineering project.

CADIII-3 TLW develop and implement a self-directing plan for an architectural project.

ET-1	TLW explain and demonstrate the ability to work safely in the lab.
ET-2	TLW assist in shop maintenance and clean up.
ET-3	TLW identify materials by texture, strength, appearances, and cost.
ET-4	TLW identify exhaustible and inexhaustible resources and explain how each in its own way will help or hinder the world.
ET-5	TLW analyze the interaction of humans and machines.
ET-6	TLW explain the history of the four areas of technology (communication, construction, manufacturing and transportation).
ET-7	TLW send, receive, and understand verbal and nonverbal messages.
ET-8	TLW apply a problem-solving process to arrive to a workable solution.
ET-9	TLW safely operate tools and equipment.
ET-10	TLW discuss employment in the four areas of technology.
ET-11	TLW solve problems effectively as an individual and member of a group.
ET-12	TLW summarize and report current information on a given topic.
ET-13	TLW design and analyze a bridge design.
ET-14	TLW explain the principles of aerodynamics.
ET-15	TLW design and build a CO2 car.
ET-16	TLW explain the principle of rockets.
ET-17	TLW design and build a rocket.
ET-18	TLW explain and apply various forms of energy.
ET-19	TLW identify uses for robotics in the industry.
ET-20	TLW construct and program a robot.
ET-21	TLW explain the principles of hydraulics and pneumatics.
ET-22	TLW explain and apply various forms of plastic (plastic injection molder,, vinyl sticker, screwdriver, tees)
ET-23	TLW examine differences and similarities of various cultures as related to content area.

Electricity/Electronics

- EE-1 TLW solve problems effectively as an individual and member of a group.
- EE-2 TLW employ higher-order thinking skills for solving problems.
- EE-3 TLW develop and comprehend written and oral directions.
- EE-4 TLW assist in shop maintenance and clean up.
- EE-5 TLW demonstrate respect for tools, equipment and other students.
- EE-6 TLW apply mathematical concepts in the development of projects.
- EE-7 TLW recognize and correct unsafe work practices.
- EE-8 TLW assemble electrical components commonly found in residential construction.
- EE-9 TLW safely operate tools and equipment.
- EE-10 TLW summarize current information in the areas of electricity/electronics technology.
- EE-11 TLW identify electrical symbols.
- EE-12 TLW identify components of an electronic circuit.
- EE-13 TLW test and measure circuits using a multimeter.
- EE-14 TLW calculate circuits using Ohms Law.
- EE-15 TLW identify electricity/electronics careers and trade schools.
- EE-16 TLW identify parts of an electrical system.
- EE-17 TLW explain principles of magnetism.
- EE-18 TLW describe and construct how an electric motor works.
- EE-19 TLW differentiate between AC and DC circuits.
- EE-20 TLW examine differences and similarities of various cultures as related to content area.

FCS
7th Grade

- 7-FCS-1 TLW identify the six food groups on the food guide pyramid.
- 7-FCS-2 TLW distinguish between healthy and unhealthy snacks from each food group.
- 7-FCS-3 TLW examine the affects of food choices on short and long term health.
- 7-FCS -4 TLW explain the importance of healthy snacking in an individual's diet.
- 7-FCS-5 TLW interpret a basic recipe and apply directions to complete a product.
- 7-FCS-6 TLW apply food preparation skills including safety and sanitation in the cooking labs while preparing healthy snacks.
- 7-FCS-7 TLW interpret articles in periodicals related to current teen issues.
- 7-FCS-8 TLW identify sewing tools and equipment used to complete a sewing project.
- 7-FCS-9 TLW apply skills of pattern placement, pinning, cutting, and sewing of fabric to complete a project.
- 7-FCS-10 TLW demonstrate correct and safe use of sewing tools and equipment while completing a project.
- 7-FCS-11 TLW examine the importance of personal grooming habits and give examples of positive grooming habits.
- 7-FCS-12 TLW apply knowledge of personal grooming products to various hygiene needs.
- 7-FCS-13 TLW explore personal development and develop an understanding of how to build a positive self-concept.
- 7-FCS-14 TLW identify and demonstrate the use of proper manners as related to various situations such as, but not limited to: cell phone use, telephones, personal music devices, greeting people, eating, and formal situations.
- 7-FCS-15 TLW identify the affects of proper manners on personal relationships.
- 7-FCS-16 TLW apply group cooperation and time management skills to organize and complete projects/given tasks.
- 7-FCS-17 TLW examine differences and similarities of various cultures as related to content area.

8th Grade Career Education

8C-1 TLW explore and understand the framework of the Nebraska Career Fields/Career Clusters model.

- 1.1 TLW differentiate between career fields, clusters and pathways on the Nebraska Career Education Model.
- 1.2 TLW identify compositions of career clusters and the relationship to the career field.
- 1.3 TLW demonstrate an understanding of the relationship between coursework, school activities, community activities and career clusters.

8C-2 TLW understand the Foundation Knowledge and Skills and how they apply to each cluster and to educational and career success.

- 2.1 TLW make connections between personal strengths/interests and (work) careers.
- 2.2 TLW define, identify and demonstrate the Foundation Knowledge and Skills.
- 2.3 TLW evaluate their own Foundation Knowledge and Skills in relationship to their goals for learning, earning and living.
- 2.4 TLW describe extended learning opportunities that will build their knowledge and skills.

8C-3 TLW participate in Career Exploration activities.

- 3.1 TLW list and understand a variety of extended school-based and community-based learning options to explore careers.
- 3.2 TLW participate in a career exploration activity involving a professional contact.
- 3.3 TLW develop employment documents (letter of application, resume, references)

8C-4 TLW access and utilize different types of Career information.

- 4.1 TLW utilize technology to access career information.
- 4.2 TLW utilize printed material to access career information.
- 4.3 TLW talk to people to access career resources.

8C-5 TLW recognize the variety of postsecondary options available.

- 5.1 TLW identify, compare and contrast postsecondary education options (cost, prerequisites, time required).
- 5.2 TLW identify postsecondary options in relationship to the career clusters.

8C-6 TLW examine differences and similarities of various cultures as related to content areas.

FCS (Exploratory)
9th Grade

9-FCS-1	TLW apply responsible decision making skills to various situations.
9-FCS-2	TLW utilize group cooperation and time management to complete projects/given tasks.
9-FCS-3	TLW read and summarize articles in periodicals related to current teen issues.
9-FCS-4	TLW compare current eating habits to current nutrition recommendations.
9-FCS-5	TLW create a plan for improved eating and exercise habits.
9-FCS-6	TLW apply food preparation skills, and safety and sanitation skills, while preparing foods in cooking labs.
9-FCS-7	TLW demonstrate proper and safe use of classroom equipment.
9-FCS-8	TLW analyze nutrition labels to determine nutrient density of various foods.
9-FCS-9	TLW utilize current nutrition information to classify healthy food choices.
9-FCS-10	TLW predict the impact of nutrition and exercise choices on current and future health.
9-FCS-11	TLW identify road blocks in making healthy food choices (availability, portions, resources, time)
9-FCS-12	TLW formulate solutions to practice healthy food choices.
9-FCS-13	TLW analyze current food trends and how they impact health and food choices.
9-FCS-14	TLW identify sewing tools and equipment needed to complete assigned tasks.
9-FCS-15	TLW apply sewing skills such as pattern placement, marking, pinning, cutting, and sewing fabric to complete a project.
9-FCS-16	TLW demonstrate the ability to follow written and verbal directions.
9-FCS-17	TLW distinguish factors that impact self-concept.
9-FCS-18	TLW compare and contrast characteristics of effective and defective teens. (7 Habits of Highly Effective Teens)
9-FCS-19	TLW predict possible outcomes of applying characteristics of effective teens to one's life.
9-FCS-20	TLW Identify relationships skills needed to function successfully with family members, peers, and society.
9-FCS-21	TLW examine differences and similarities of various cultures as related to content areas.

Foods and Nutrition

FN-1	TLW utilize group cooperation and time management to complete projects/given tasks.
FN-2	TLW identify the role of health and nutrition and its affect on positive self-image.
FN-3	TLW utilize the Food Pyramid to analyze personal nutrition.
FN-4	TLW manage appliances safely and effectively to produce edible food products.
FN-5	TLW recognize probable causes of diseases that are nutrition related.
FN-6	TLW explain the roles and functions of individuals engaged in food science, food technology, dietetics, and nutrition careers.
FN-7	TLW demonstrate concepts of reusing, recycling, and conserving natural resources.
FN-8	TLW apply principles of food preparation to maximize nutrient retention.
FN-9	TLW assess the influence of socioeconomic and psychological factors on food and nutrition.
FN-10	TLW analyze recipe/formula proportions and modifications for food preparation.
FN-11	TLW analyze nutritional needs of individuals across the lifespan.
FN-12	TLW apply nutrition information for health maintenance and disease prevention.
FN-13	TLW conduct sensory evaluations of food products.
FN-14	TLW analyze the effects of various influences on food choices and other nutrition practices, including: psychological, cultural, social, governmental, economic, and technological.
FN-15	TLW analyze the effects of diet fads, food addictions, and eating disorders on personal wellness.
FN-16	TLW analyze sources of food and nutrition information, including food labels, related to health and wellness.
FN-17	TLW apply various dietary guidelines in planning to meet nutrition and wellness needs.
FN-18	TLW demonstrate the ability to select, store, prepare, and serve nutritious and aesthetically pleasing foods.
FN-19	TLW analyze conditions and practices that promote safe food handling.
FN-20	TLW analyze food borne illness factors, including causes, foods at risk, and methods of prevention commercially and by individuals and families.
FN-21	TLW analyze current information in the area of food and nutrition.

Human Development

- HD-1 TLW analyze the role of nurturance and communication on human growth and development.
- HD-2 TLW analyze the role of family and social services support systems in meeting human growth and development needs.
- HD-3 TLW analyze processes for building and maintaining interpersonal relationships.
- HD-4 TLW identify the various stages of the family life cycle.
- HD-5 TLW explain the physical, emotional, spiritual, social, and intellectual functioning of the family.
- HD-6 TLW analyze factors that contribute to healthy and unhealthy relationships.
- HD-7 TLW analyze processes for handling unhealthy relationships.
- HD-8 TLW demonstrate stress management strategies for family, work, and community settings.
- HD-9 TLW analyze the effects of personal characteristics, self concept standards and behaviors on interpersonal relationships.
- HD-10 TLW analyze communication styles and their effects on relationships.
- HD-11 TLW demonstrate verbal and nonverbal behaviors and attitudes that contribute to effective communication.
- HD-12 TLW demonstrate effective listening and feedback techniques.
- HD-13 TLW analyze strategies to overcome communication barriers in family, community, work settings.
- HD-14 TLW analyze the effects of communication technology in family, work, and community settings.
- HD-15 TLW analyze the roles and functions of communication in family, work, and community settings.
- HD-16 TLW explain how similarities and differences among people and cultures affect conflict prevention and management.
- HD-17 TLW apply the roles of decision making and problem solving in reducing and managing conflict.
- HD-18 TLW demonstrate effective responses to harassment.
- HD-19 TLW create an environment that encourages and respects the ideas, perspectives, and contributions of all group members.
- HD-20 TLW apply critical thinking and ethical criteria to evaluate interpersonal relationships.
- HD-21 TLW examine qualities of strong families.
- HD-22 TLW analyze family as the basic unit of society.
- HD-23 TLW analyze the role of family in developing independence, interdependence, and commitment of family members.

Single Survival

- SS-1 TLW apply the responsible decision making model in various situations and predict the short term and long term consequences.
- SS-2 TLW utilize skills and processes necessary to develop into an individual who acts to enhance the family and/or society.
- SS-3 TLW demonstrate management of personal and financial resources to meet the goals of individuals and families across the lifespan.
- SS-4 TLW appraise housing options and aspects associated with each option (needs, wants, costs, landlords, tenants, leases).
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SS-5 TLW analyze conditions and practices that promote food safety.
- SS-6 TLW demonstrate the ability to select, store, prepare, and serve nutritious foods.
- SS-7 TLW demonstrate proper use of equipment in food preparation.
- SS-8 TLW analyze sources of food and nutrition information including food labels, related to health and wellness.
- SS-9 TLW demonstrate job seeking and job keeping skills.
- SS-10 TLW apply skills to create professional documents needed to secure employment.
- SS-11 TLW identify rights and responsibilities of employees and employers.
- SS-12 TLW analyze personal interests, aptitudes, abilities, and personality that will influence career choices.
- SS-13 TLW demonstrate principles of clothing care and selection, including mending, cleaning, and purchasing.
- SS-14 TLW examine proper techniques for care of living space.
- SS-15 TLW apply principles of organization and management as related to personal resources (i.e. money, time, knowledge, skills, energy)
- SS-16 TLW examine differences and similarities of various cultures as related to content areas.

Child Development

- CD-1 TLW analyze parenting expectations and responsibilities of parenting across the life span.
- CD-2 TLW analyze consequences of parenting practices to the individual, family, and society.
- CD-3 TLW analyze societal conditions that influence parenting across the life span.
- CD-4 TLW explain cultural differences in roles and responsibilities of parenting.
- CD-5 TLW examine nurturing practices that support human growth and development.
- CD-6 TLW apply communication strategies that promote positive self-esteem in family members.
- CD-7 TLW assess common practices and emerging research about discipline on human growth and development.
- CD-8 TLW assess the effects of abuse and neglect on children and families and determine methods of prevention.
- CD-9 TLW apply criteria for selecting care and services for children.
- CD-10 TLW assess community resources and services available to families.
- CD-11 TLW analyze biological processes related to prenatal development, birth, and health of child and mother.
- CD-12 TLW analyze legal and ethical impacts of current and emerging technology on fertility and family planning.
- CD-13 TLW compare and contrast various parenting options.
- CD-14 TLW demonstrate parenting skills/responsibilities/financial responsibilities through the use of infant simulation project (Baby Think It Over).
- CD-15 TLW analyze child behavior through the use of observation techniques. (daycare visitation)
- CD-16 TLW examine the physical, emotional, social, and intellectual needs of children at various ages.
- CD-17 TLW differentiate the causes, symptoms, and outcomes of various birth defects and genetic disorders.
- CD-18 TLW evaluate personal physical, emotional, social, and mental readiness for parenthood.

Individualized FCS

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| I-FCS-1 | TLW apply knowledge from available resources to complete various projects in the areas of child development, housing, food preparation, nutrition, clothing construction, money management, career exploration, and human development. |
| I-FCS-2 | TLW utilize technology to research and complete chosen projects. |
| I-FCS-3 | TLW demonstrate responsible and respectful behavior towards self and others. |
| I-FCS-4 | TLW apply decision making skills in selection of projects and management of resources. |
| I-FCS-5 | TLW utilize resources to plan the use of class time. |
| I-FCS-6 | TLW create a learning plan to achieve desired goal. |
| I-FCS-7 | TLW organize materials for effective management of personal resources as well as classroom resources. |
| I-FCS-8 | TLW apply specific directions to complete assignments. |
| I-FCS-9 | TLW operate equipment correctly and safely to complete projects. |