

**Florida Department of Education
CURRICULUM FRAMEWORK**

Program Title: Family, Home & Consumer Technology
Program Type: Practical Arts
Occupational Area: Family and Consumer Sciences
Components: N/A

	<u>Secondary</u>
Program Number	8500365
CIP Number	09200118PA
Grade Level	9-12 30, 31
Length	1 Credit
Certification	VOC HME EC @4 GEN HME EC @4 HOME EC 1 @2 FAM CON SC 1
Facility Code	231
CTSO	FCCLA
Coop Method	No
Apprenticeship	No

- I. **PURPOSE:** The Family, Home, and Consumer Technology course is designed to prepare students for the ever changing future. Major emphasis should be placed on the latest technology as it relates to the home and the global role of the family. Leadership and organizational skills are a vital part of this program.

This course is designed for one year with a possible exit at the semester and may be taught in a non-sequential order.

Part I includes future trends in food and consumer technology; global food issues; impact of food technology; trends in consumer and personal finance; consumer decisions; cost of technology equipment; careers; and the impact consumer technology on the family unit.

Part II includes future trends; equipment technology; current innovative resources; apparel and housing alternatives; constraints; environmental and ecological issues; and the impact on the family.

- II. **SPECIAL NOTE:** Family, Career and Community Leaders of America (FCCLA), is the appropriate career and technical student organization (CTSO) for providing leadership training and reinforcing specific career skills. Career and Technical Student Organizations, when provided, shall be an integral part of the instructional program, and the activities of such organizations are defined as part of the curriculum in accordance with Rule 6A-6.065, FAC.

Instruction and learning activities are provided in a laboratory setting using hands-on experiences with the tools, materials and technology appropriate to the course content and in accordance with current practices. Activities provide instruction in the use of current equipment and technology, such as personal computers, software, and multi-media platforms.

The National Family and Consumer Sciences Standards which correlate to student performance standards have been included. The national standards will appear by number, i.e., NFCS Standards 2.1, 3.2. The FCS national standards can be viewed on the following website:

<http://ideanet.doe.state.in.us/octe/facs/natlstandards.htm>.

<http://www.aafcs.org/fcs/index.html> leads to an online directory which provides a comprehensive list of resources that directly correspond to the 16 National Teaching Standards. Links to governmental, organizational, educational, and commercial websites are available and organized by standard.

SCANS COMPETENCIES: Instructional strategies for this course must include methods that require students to identify, organize, and use resources appropriately; to work with each other cooperatively and productively; to acquire and use information; to understand social, organizational, and technological systems; and to work with a variety of equipment. Instructional strategies must also incorporate the methods to improve students' personal qualities and higher-order thinking skills.

Federal and state legislation requires the provision of accommodations for students with disabilities to meet individual needs and ensure equal access. Adult students with disabilities must self-identify and request such services. Students with disabilities may need accommodations in such areas as instructional methods and materials, assignments and assessments, time demands and schedules, learning environment, assistive technology and special communication systems. Documentation of the accommodations requested and provided should be maintained in a confidential file.

Equipment List: A generic equipment list is available for this course and is printed in a supplement to this document.

III. **INTENDED OUTCOMES:** After successfully completing this course the student will be able to perform the following:

- 01.0 Analyze current and future trends in food technology.
- 02.0 Utilize current technology and resources in food management.
- 03.0 Assess careers related to the food industry.
- 04.0 Integrate the use of technology to explore solutions for global food issues utilizing cooperative learning strategies.
- 05.0 Assess current and future trends in consumer and personal finance.
- 06.0 Analyze the purchase and maintenance cost of current household equipment.
- 07.0 Assess careers related to the consumer industry.
- 08.0 Analyze the impact of consumer technology on the individual and family.
- 09.0 Formulate ideas for future trends in residential environments.
- 10.0 Consider current technology and resources in housing.

- 11.0 Analyze residential alternatives.
- 12.0 Explore environmental and ecological issues related to a person's residence.
- 13.0 Utilize technology to evaluate residential and maintenance costs.
- 14.0 Assess careers related to the residential industry.
- 15.0 Appraise the impact of residential technology on the family unit.
- 16.0 Formulate ideas for future trends in apparel technology.
- 17.0 Consider current innovative technology and resources within the apparel industry.
- 18.0 Explore environmental, ecological, and global issues related to apparel.
- 19.0 Analyze textile science.
- 20.0 Assess careers related to the apparel industry.
- 21.0 Explore the impact of technology on apparel selections by individuals and families.
- 22.0 Demonstrate leadership and organizational skills.

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Florida Department of Education
STUDENT PERFORMANCE STANDARDS

Program Title: Family, Home and Consumer Technology
Secondary Number: 8500365

01.0 ANALYZE CURRENT AND FUTURE TRENDS IN FOOD TECHNOLOGY--The student will be able to:

LA.A.1.4.1, LA.A.1.4.2, LA.A.1.4.3, LA.A.1.4.4, LA.A.2.4.1,
LA.A.2.4.2, LA.A.2.4.3, MA.A.2.4.1, MA.A.2.4.2, MA.A.2.4.3,
MA.A.2.4.4, MA.A.4.4.1, MA.E.1.4.1, MA.E.1.4.2, SC.H.3.4.2

NFCS Standards: 8.2, 8.3, 8.4

- 01.01 Assess the need for meal planning on the basis of a changing lifestyle.
- 01.02 Explore trends in food preparation and meal management.
- 01.03 Evaluate innovations in food preservation and storage, such as irradiation and dehydration.
- 01.04 Predict the effects of future trends in food technology on the social and psychological aspects of the family, community and the world.

02.0 UTILIZE CURRENT TECHNOLOGY AND RESOURCES IN FOOD MANAGEMENT--The student will be able to:

LA.A.1.4.1, LA.A.1.4.2, LA.A.1.4.3, LA.A.1.4.4, LA.A.2.4.1,
LA.A.2.4.2, LA.A.2.4.3, LA.A.2.4.4, LA.A.2.4.5, LA.A.2.4.6,
LA.A.2.4.7, LA.A.2.4.8, MA.B.1.4.1, MA.B.1.4.2, MA.B.1.4.3,
MA.B.3.4.1, SC.H.3.4.3

NFCS Standards: 2.4, 8.2, 8.3

- 02.01 Assess current technology, such as computer software, dealing with meal planning and the purchasing of food.
- 02.02 Evaluate food preparation equipment on the basis of function, convenience and cost.
- 02.03 Explore the safe use of current equipment.

03.0 ASSESS CAREERS RELATED TO THE FOOD INDUSTRY--The student will be able to:

LA.A.1.4.1, LA.A.1.4.2, LA.A.1.4.3, LA.A.1.4.4, LA.B.1.4.1,
LA.B.1.4.2, LA.B.1.4.3, LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3,
MA.E.1.4.1, MA.E.1.4.2, MA.E.1.4.3

NFCS Standards: 9.1

- 03.01 Explore emerging careers in the food industry.
- 03.02 Analyze career statistics, on-line data and written publication information to predict future job trends.
- 03.03 Analyze ways technology will create and/or change careers in the food industry i.e., bioterrorism.

04.0 INTEGRATE THE USE OF TECHNOLOGY TO EXPLORE SOLUTIONS FOR GLOBAL FOOD ISSUES UTILIZING COOPERATIVE LEARNING STRATEGIES--The student will be able to:

LA.B.2.4.4, LA.C.1.4.1, LA.C.1.4.2, LA.C.1.4.3, LA.D.2.4.2, LA.D.2.4.3, LA.D.2.4.4, LA.D.2.4.5, MA.A.4.4.1, SC.D.2.4.1

NFCS Standards: 9.2

- 04.01 Examine current and future global food issues, i.e., bioterrorism.
- 04.02 Research technologies that would be appropriate to use in addressing global food issues.
- 04.03 Analyze the impact of local concerns on global issues.

05.0 ASSESS CURRENT AND FUTURE TRENDS IN CONSUMER AND PERSONAL FINANCE--The student will be able to:

LA.A.1.4.1, LA.A.1.4.2, LA.A.1.4.3, LA.A.1.4.4, LA.C.3.4.2, LA.C.3.4.3, LA.C.3.4.4, MA.A.1.4.1, MA.A.1.4.2, MA.A.1.4.3, MA.A.1.4.4, MA.A.3.4.1, MA.A.3.4.2, MA.A.3.4.3, MA.A.5.4.1

NFCS Standards: 2.6, 3.3

- 05.01 Explore current technology and resources in the banking industry, such as electronic money transactions including debit cards and the use of ATM's.
- 05.02 Explore software/online services for record keeping and managing resources.
- 05.03 Evaluate the issues of privacy of financial matters versus public disclosure.
- 05.04 Analyze the privacy issues with on-line banking and purchasing.

06.0 ANALYZE THE PURCHASE AND MAINTENANCE COST OF CURRENT INNOVATIVE RESIDENTIAL EQUIPMENT--The student will be able to:

LA.A.2.4.4, LA.A.2.4.5, LA.A.2.4.7, LA.A.2.4.8, MA.A.4.4.1, MA.B.3.4.1,

NFCS Standards: 11.3

- 06.01 Evaluate costs related to home technology.
- 06.02 Explore maintenance costs of technological equipment for the home.
- 06.03 Compare the effects of leasing vs. purchasing household technical equipment.

07.0 ASSESS CAREERS RELATED TO THE CONSUMER INDUSTRY--The student will be able to:

LA.A.1.4.1, LA.A.1.4.2, LA.A.1.4.3, LA.A.1.4.4, LA.B.1.4.1, LA.B.1.4.2, LA.B.1.4.3, LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3, MA.E.1.4.1

NFCS Standards: 3.1

- 07.01 Explore emerging careers in consumerism and technology.
- 07.02 Analyze ways technology has created change in career options.

08.0 ANALYZE THE IMPACT OF CONSUMER TECHNOLOGY ON THE INDIVIDUAL AND FAMILY--The student will be able to:

LA.A.1.4.1, LA.A.1.4.2, LA.A.1.4.3, LA.A.1.4.4, LA.A.1.4.5, LA.A.1.4.6, LA.A.1.4.7, LA.A.1.4.8, LA.A.2.4.4, LA.A.2.4.5, LA.A.2.4.6, LA.A.2.4.7, LA.A.2.4.8, LA.B.2.4.1, LA.B.2.4.2, LA.B.2.4.3, LA.E.2.4.6, LA.E.2.4.7, LA.E.2.4.8, MA.E.1.4.1, SC.H 3.4.5

NFCS Standards: 2.2, 2.4

- 08.01 Evaluate the effect of technological changes on issues such as lifestyles, cost and leisure time.
- 08.02 Demonstrate responsible decision making strategies when purchasing new or used technology for the home.

OPTIONAL END OF SEMESTER

09.0 FORMULATE IDEAS FOR FUTURE TRENDS IN RESIDENTIAL ENVIRONMENTS--The student will be able to:

SC.H.3.4.1, SC.H.3.4.5, SC.G.2.4.5, SC.G.2.4.6

NFCS Standards: 2.2, 11.2

- 09.01 Analyze examples of automation of residential design.
- 09.02 Explore efficient use of resources as related to global issues.

10.0 CONSIDER CURRENT TECHNOLOGY AND RESOURCES USED IN RESIDENTIAL ENVIRONMENTS--The student will be able to:

SC.H.3.4.6

NFCS Standards: 11.4

- 10.01 Utilize computer-aided design (CAD) and/or on-line services for interior/exterior design.

11.0 ANALYZE RESIDENTIAL ALTERNATIVES--The student will be able to:

LA.A.1.4.3, HE.B.2.4.4

NFCS Standards: 11.2, 11.3

- 11.01 Assess residential options as they relate to individual and family needs.
- 11.02 Evaluate the advantages and disadvantages of the available residential options.
- 11.03 Differentiate between various multicultural issues as they relate to residential environments.

12.0 EXPLORE ENVIRONMENTAL AND ECOLOGICAL ISSUES RELATED TO A PERSON'S RESIDENCE--The student will be able to:

SC.G.2.4.4, SC.G.2.4.5, SC.G.2.4.6

NFCS Standards: 11.5

12.01 Assess the need for healthy residential environments; supportive of individual and family growth and development.

12.02 Analyze environmental issues as they relate to temperature, noise, air, water quality, products and materials.

12.03 Demonstrate ecological awareness by recycling, reusing and reducing supplies and materials.

13.0 UTILIZE TECHNOLOGY TO EVALUATE RESIDENTIAL AND MAINTENANCE COSTS--The student will be able to:

SS.D.1.4.2, SS.D.2.4.1

NFCS Standards: 2.2, 11.2, 11.3, 11.6

13.01 Evaluate the affordability of purchasing a home.

13.02 Consider cost factors for home maintenance.

13.03 Identify relocating expenses and evaluate alternative options.

14.0 ASSESS CAREERS RELATED TO THE RESIDENTIAL INDUSTRY--The student will be able to:

LA.A.1.4.2, LA.A.1.4.3, SC.H.3.4.5, SC.H.3.4.6

NFCS Standards: 11.1

14.01 Explore emerging careers in the residential industry.

14.02 Analyze ways technology has created change in career options within the residential industry.

15.0 APPRAISE THE IMPACT OF TECHNOLOGY ON THE FAMILY --The student will be able to:

LA.A.1.4.2, SC.H.3.4.5, SC.H.3.4.6

NFCS Standards: 13.2

15.01 Analyze the impact of home technology on family relationships.

16.0 FORMULATE IDEAS FOR FUTURE TRENDS IN APPAREL TECHNOLOGY--The student will be able to:

LA.A.1.4.2, LA.A.2.4.4, SC.H.3.4.5

NFCS Standards: 16.1, 16.2, 16.5, 16.7

- 16.01 Explore options for developing colors, textures and fabrics.
- 16.02 Analyze design, retail, and manufacturing trends within the clothing industry.
- 17.0 CONSIDER CURRENT TECHNOLOGY AND RESOURCES WITHIN THE APPAREL INDUSTRY--The student will be able to:
- LA.A.2.4.4, SC.H.3.4.5
- NFCS Standards: 16.0, 16.3
- 17.01 Demonstrate computer-aided design (CAD)/on-line services for creating/selecting fabrics and apparel.
- 17.02 Explore computer-aided manufacturing (CAM) in the apparel industry such as laser cutting, fusing, robotics and computer designed layouts.
- 17.03 Explore the use of computer imaging to create three-dimensional designs.
- 18.0 EXPLORE ENVIRONMENTAL, ECOLOGICAL AND GLOBAL ISSUES RELATED TO APPAREL--The student will be able to:
- LA.A.2.4.4, SC.G.2.4.5, SC.G.2.4.6
- NFCS Standards: 16.2, 16.5
- 18.01 Assess the history of clothing manufacturing from home sewing to mass production.
- 18.02 Explore environmentally-friendly fibers, fabrics and processes.
- 18.03 Demonstrate ecological awareness for recycling, reusing and reducing supplies and materials used in apparel production.
- 19.0 ANALYZE TEXTILE SCIENCE--The student will be able to:
- LA.A.2.4.4, LA.B.2.4.4, LA.C.1.4.1, LA.C.1.4.3
- NFCS Standards: 16.2
- 19.01 Evaluate new fabrics which use natural and manufactured fibers.
- 19.02 Explore the care of a variety of fabrics utilizing equipment such as microwave dryers and computerized laundry equipment.
- 20.0 ASSESS CAREERS RELATED TO THE APPAREL INDUSTRY--The student will be able to:
- LA.A.2.4.4, LA.A.2.4.6
- NFCS Standards: 16.1
- 20.01 Explore emerging careers in the apparel industry.
- 20.02 Analyze ways technology has created change in career options within the apparel industry.

21.0 EXPLORE THE IMPACT OF TECHNOLOGY ON APPAREL SELECTIONS BY INDIVIDUALS AND FAMILIES--The student will be able to:

LA.A.2.4.4, SS.D.1.4.1

NFCS Standards: 16.5, 16.7

21.01 Analyze alternate methods of retail shopping for clothing needs such as television, catalogs, and on-line services.

22.0 DEMONSTRATE LEADERSHIP AND ORGANIZATIONAL SKILLS--The student will be able to:

LA.C.1.4.1, LA.C.1.4.2, LA.C.1.4.3, LA.C.1.4.4, MA.A.4.4.1, MA.A.4.4.3, MA.A.4.4.4, MA.E.3.4.1, MA.E.3.4.2, HE.B.3.4.1, HE.B.3.4.2, HE.B.3.4.3, HE.B.3.4.4, HE.B.3.4.5, HE.B.3.4.6, HE.C.1.4.5, HE.C.1.4.6, HE.C.2.4.4, HE.C.2.4.5, HE.C.2.4.6

NFCS Standards: 1.0, 13.0, 13.5

22.01 Identify professional and youth organizations.

22.02 Identify purposes and functions of professional and youth organizations.

22.03 Identify roles and responsibilities of members of professional and youth organizations.

22.04 Work cooperatively as a group member to achieve organizational goals.

22.05 Demonstrate confidence in leadership roles and organizational responsibilities.

22.06 Demonstrate commitment to achieve organizational goals.