

**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 Numbers	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
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 twenty-first century. Major emphasis should be placed on the latest technology as it relates to the home and 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; clothing 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 and technical 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.

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.

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 impact of consumer decisions on the individual/family unit.
- 07.0 Analyze the purchase and maintenance cost of current innovative household equipment.
- 08.0 Assess careers related to the consumer industry.
- 09.0 Analyze the impact of current consumer technology on the individual and family.
- 10.0 Formulate ideas for future trends in housing.
- 11.0 Consider current innovative technology and resources in housing.
- 12.0 Analyze housing alternatives.
- 13.0 Explore environmental and ecological issues related to housing.
- 14.0 Utilize technology to evaluate housing and maintenance costs.
- 15.0 Assess careers related to the housing industry.
- 16.0 Appraise the impact of housing technology on the family unit.
- 17.0 Formulate ideas for future trends in clothing technology.
- 18.0 Consider current innovative technology and resources in clothing.
- 19.0 Explore environmental, ecological, and global issues related to clothing.
- 20.0 Analyze textile science.
- 21.0 Assess careers related to the clothing industry.
- 22.0 Appraise the impact of clothing technology on individuals and families.
- 23.0 Demonstrate leadership and organizational skills.

Florida Department of Education
STUDENT PERFORMANCE STANDARDS

Program Title: Family, Home And Consumer Technology
Secondary Number: 8500365
Postsecondary Number:

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

- 01.01 Assess the need for meal planning on the basis of a changing lifestyle.
- 01.02 Explore innovations 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

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

- 03.01 Explore emerging careers in the food industry.
- 03.02 Consider career statistics and information using computer software, such as CHOICES.
- 03.03 Analyze ways technology will create and/or change careers in the food industry.

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

- 04.01 Examine current and future global food issues.

- 04.02 Research technologies that could be used to address 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
- 05.01 Explore current innovative technology and resources in the banking industry, such as electronic money transfers.
- 05.02 Explore current innovative technology in record keeping and management resources.
- 05.03 Evaluate the issues of privacy of financial matters versus public disclosure.
- 06.0 ANALYZE THE IMPACT OF CONSUMER DECISIONS ON THE INDIVIDUAL/FAMILY UNIT--
 --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.E.2.4.6, LA.E.2.4.7, LA.E.2.4.8, MA.A.1.4.1, MA.A.1.4.2, MA.A.1.4.3, MA.A.1.4.4, MA.A.5.4.1, SC.H.1.4.1
- 06.01 Simulate responsible consumer decisions utilizing current technology.
- 07.0 ANALYZE THE PURCHASE AND MAINTENANCE COST OF CURRENT INNOVATIVE HOUSEHOLD 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,
- 07.01 Evaluate costs related to home technology.
- 07.02 Explore maintenance costs of technological equipment for the home.
- 08.0 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
- 08.01 Explore emerging careers in consumerism and technology.
- 08.02 Analyze ways technology has created change in career options.
- 09.0 ANALYZE THE IMPACT OF CURRENT 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

09.01 Evaluate the effect of technological changes on issues such as lifestyles, cost and leisure time.

OPTIONAL END OF SEMESTER

10.0 FORMULATE IDEAS FOR FUTURE TRENDS IN HOUSING--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

10.01 Analyze examples of automation.

10.02 Appraise computer capabilities.

10.03 Explore innovations for efficient use of resources as related to global issues.

11.0 CONSIDER CURRENT INNOVATIVE TECHNOLOGY AND RESOURCES IN HOUSING--The student will be able to:

SC.H.3.4.6

11.01 Utilize computer-aided design (CAD) for exterior design.

11.02 Formulate an interior design using current computer software.

12.0 ANALYZE HOUSING ALTERNATIVES--The student will be able to:

LA.A.1.4.3, HE.B.2.4.4

12.01 Assess housing options as they relate to individual and family needs.

12.02 Evaluate the advantages and disadvantages of the available housing options.

12.03 Differentiate between various multicultural issues as they relate to housing.

13.0 EXPLORE ENVIRONMENTAL AND ECOLOGICAL ISSUES RELATED TO HOUSING--The student will be able to:

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

13.01 Assess the need for healthy home environments; supportive of individual and family growth and development.

13.02 Analyze environmental issues related to temperature, noise, air, water quality, products and materials.

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

14.0 UTILIZE TECHNOLOGY TO EVALUATE HOUSING AND MAINTENANCE COSTS--The student will be able to:

SS.D.1.4.2, SS.D.2.4.1

14.01 Explore housing costs related to income.

14.02 Consider cost factors for home maintenance.

14.03 Identify relocating expenses.

15.0 ASSESS CAREERS RELATED TO THE HOUSING 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
- 15.01 Explore emerging careers in the housing industry.
15.02 Analyze ways technology has created change in career options.
- 16.0 APPRAISE THE IMPACT OF HOUSING TECHNOLOGY ON THE FAMILY UNIT--The student will be able to:
- LA.A.1.4.2, SC.H.3.4.5, SC.H.3.4.6
- 16.01 Analyze the impact of home technology on family relationships.
16.02 Evaluate the effects of technological changes on family roles and lifestyles.
- 17.0 FORMULATE IDEAS FOR FUTURE TRENDS IN CLOTHING TECHNOLOGY--The student will be able to:
- LA.A.1.4.2, LA.A.2.4.4, SC.H.3.4.5
- 17.01 Evaluate innovations in colors, textures and fabrics.
17.02 Analyze design, manufacturing and retailing trends.
- 18.0 CONSIDER CURRENT INNOVATIVE TECHNOLOGY AND RESOURCES IN CLOTHING--The student will be able to:
- LA.A.2.4.4, SC.H.3.4.5
- 18.01 Demonstrate computer-aided design (CAD) of fabrics and apparel.
18.02 Appraise computer-aided manufacturing (CAM) in apparel such as laser cutting, fusing, robotics and computer designed layouts.
18.03 Explore the use of computer imaging to create three-dimensional designs.
- 19.0 EXPLORE ENVIRONMENTAL, ECOLOGICAL AND GLOBAL ISSUES RELATED TO CLOTHING--The student will be able to:
- LA.A.2.4.4, SC.G.2.4.5, SC.G.2.4.6
- 19.01 Assess the history of clothing manufacturing from home sewing to mass production technology.
19.02 Explore environmentally-friendly fibers, fabrics and processes.
19.03 Demonstrate ecological awareness by recycling, reusing and reducing supplies and materials.
- 20.0 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
- 20.01 Evaluate new innovations with natural and manufactured fibers.
20.02 Explore the care of a variety of fabrics utilizing equipment such as microwave dryers and computerized laundry equipment.
- 21.0 ASSESS CAREERS RELATED TO THE CLOTHING INDUSTRY--The student will be able to:

LA.A.2.4.4, LA.A.2.4.6

- 21.01 Explore emerging careers in the clothing industry.
- 21.02 Analyze ways technology has created change in career options.

22.0 APPRAISE THE IMPACT OF CLOTHING TECHNOLOGY ON INDIVIDUALS AND FAMILIES--The student will be able to:

LA.A.2.4.4, SS.D.1.4.1

- 22.01 Analyze alternate methods of retail shopping for clothing needs such as television, catalogs, video tapes and interactive computers.
- 22.02 Evaluate the effects of technological changes on such issues as life styles, cost, and leisure time.

23.0 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

- 23.01 Identify professional and youth organizations.
- 23.02 Identify purposes and functions of professional and youth organizations.
- 23.03 Identify roles and responsibilities of members of professional and youth organizations.
- 23.04 Work cooperatively as a group member to achieve organizational goals.
- 23.05 Demonstrate confidence in leadership roles and organizational responsibilities.
- 23.06 Demonstrate commitment to achieve organizational goals.