

**Florida Department of Education
Curriculum Framework**

Course Title: Orientation to Career Clusters
Course Type: Orientation/Exploratory

Secondary – Middle School

Course Number	8000400
CIP Number	1498999907
Grade Level	6 – 8
Course Length	Semester
Teacher Certification	Refer to the Course Structure section.
CTSO	Any CTSO as appropriate
CTE Program Resources	http://www.fldoe.org/academics/career-adult-edu/career-tech-edu/program-resources.stml

Purpose

The purpose of this course is to assist students in making informed decisions regarding their future academic and occupational goals and to provide information regarding careers in the seventeen career clusters. This course is a compilation of modules for each of the seventeen career clusters and is designed to provide flexibility in course offerings. Any number of modules can be selected to comprise a course that meets the needs of the students.

The content includes, but is not limited to, the orientation of students to career pathways in the career and technical education field. Reinforcement of academic skills occurs through classroom instruction and applied laboratory procedures. This course is recommended for students in the sixth grade, but not required.

Instruction and learning activities are provided in a laboratory setting using hands-on experiences with the equipment, materials and technology appropriate to the course content and in accordance with current practices.

Additional Information relevant to this Career and Technical Education (CTE) program is provided at the end of this document.

Course Structure

The length of this course is one semester. It may be offered for two semesters when appropriate. When offered for one semester, it is recommended that it be at the exploratory level and more in-depth when offered for two semesters.

To teach the course(s) listed below, instructors must hold at least one of the teacher certifications indicated for that course.

The following table illustrates the course structure:

Course Number	Course Title	Teacher Certification	Length
8000400	Orientation to Career Clusters	ANY FIELD	Semester

Standards

After successfully completing this course, the student will be able to perform the following:

- 01.0 Identify Florida's seventeen career clusters.
- 02.0 Identify and explore careers in the Agriculture, Food & Natural Resources cluster.
- 03.0 Identify and explore careers in the Architecture & Construction cluster.
- 04.0 Identify and explore careers in the Arts, A/V Technology & Communication cluster.
- 05.0 Identify and explore careers in the Business Management & Administration cluster.
- 06.0 Identify and explore careers in the Education & Training cluster.
- 07.0 Identify and explore careers in the Energy cluster.
- 08.0 Identify and explore careers in the Finance cluster.
- 09.0 Identify and explore careers in the Government & Public Administration cluster.
- 10.0 Identify and explore careers in the Health Science cluster.
- 11.0 Identify and explore careers in the Hospitality and Tourism cluster.
- 12.0 Identify and explore careers in the Human Services cluster.
- 13.0 Identify and explore careers in the Information Technology cluster.
- 14.0 Identify and explore careers in the Law, Public Safety & Security cluster.
- 15.0 Identify and explore careers in the Manufacturing cluster.
- 16.0 Identify and explore careers in the Marketing, Sales & Service cluster.
- 17.0 Identify and explore careers in the Engineering and Technology Education cluster.
- 18.0 Identify and explore careers in the Transportation, Distribution & Logistics cluster.
- 19.0 Describe leadership skills.

**Florida Department of Education
Student Performance Standards**

Course Title: Orientation to Career Clusters
Course Number: 8000400
Course Credit: Semester

Course Description:

This course is a broad overview of the seventeen career clusters offered in Florida. This course provides hands-on introductory activities for each career cluster as well as opportunities to acquire and demonstrate beginning leadership skills.

CTE Standards and Benchmarks	
01.0	Identify Florida's seventeen career clusters. The student will be able to:
01.01	List Florida's seventeen career clusters.
01.02	Research the national career clusters website: http://www.careertech.org/ .
01.03	Identify the Career and Technical Student Organizations (CTSO) appropriate for Career and Technical Education (CTE) programs.
01.04	Explain the purpose of a CTSO.
02.0	Identify and explore careers in the Agriculture, Food & Natural Resources cluster. The student will be able to:
02.01	Identify the pathways in the Agriculture, Food & Natural Resources career cluster and the careers in each pathway.
02.02	Describe the types of places that employ individuals who have careers in the Agriculture, Food & Natural Resources career cluster.
02.03	Describe the variety of tasks performed by individuals who have careers in the Agriculture, Food & Natural Resources career cluster.
02.04	List the skills, abilities, and talents needed for careers in the Agriculture, Food & Natural Resources career cluster.
02.05	Identify the level of training and education required for careers in the Agriculture, Food & Natural Resources career cluster.
02.06	Research a career in the Agriculture, Food & Natural Resources career cluster and present findings to the class.
02.07	Apply math, science, and reading skills in the completion of a project or activity related to the Agriculture, Food & Natural Resources career cluster.
03.0	Identify and explore careers in the Architecture & Construction cluster. The student will be able to:
03.01	Identify the pathways in the Architecture & Construction career cluster and the careers in each pathway.

CTE Standards and Benchmarks

03.02	Describe the types of places that employ individuals who have careers in the Architecture & Construction career cluster.
03.03	Describe the variety of tasks performed by individuals who have careers in the Architecture & Construction career cluster.
03.04	List the skills, abilities, and talents needed for careers in the Architecture & Construction career cluster.
03.05	Identify the level of training and education required for careers in the Architecture & Construction career cluster.
03.06	Research a career in the Architecture & Construction career cluster and present findings to the class.
03.07	Apply math, science, and reading skills in the completion of a project or activity related to the Architecture & Construction career cluster.
04.0	Identify and explore careers in the Arts, A/V Technology & Communication cluster. The student will be able to:
04.01	Identify the pathways in the Arts, A/V Technology & Communication career cluster and the careers in each pathway.
04.02	Describe the types of places that employ individuals who have careers in the Arts, A/V Technology & Communication career cluster.
04.03	Describe the variety of tasks performed by individuals who have careers in the Arts, A/V Technology & Communication career cluster.
04.04	List the skills, abilities, and talents needed for careers in the Arts, A/V Technology & Communication career cluster.
04.05	Identify the level of training and education required for careers in the Arts, A/V Technology & Communication career cluster.
04.06	Research a career in the Arts, A/V Technology & Communication career cluster and present findings to the class.
04.07	Apply math, science, and reading skills in the completion of a project or activity related to the Arts, A/V Technology & Communication career cluster.
05.0	Identify and explore careers in the Business, Management & Administration cluster. The student will be able to:
05.01	Identify the pathways in the Business, Management & Administration career cluster and the careers in each pathway.
05.02	Describe the types of places that employ individuals who have careers in the Business Management & Administration career cluster.
05.03	Describe the variety of tasks performed by individuals who have careers in the Business Management & Administration career cluster.
05.04	List the skills, abilities, and talents needed for careers in the Business Management & Administration career cluster.
05.05	Identify the level of training and education required for careers in the Business Management & Administration career cluster.
05.06	Research a career in the Business Management & Administration career cluster and present findings to the class.

CTE Standards and Benchmarks	
05.07	Apply math, science, and reading skills in the completion of a project or activity related to the Business Management & Administration career cluster.
06.0	Identify and explore careers in the Education & Training cluster. The student will be able to:
06.01	Identify the pathways in the Education & Training career cluster and the careers in each pathway.
06.02	Describe the types of places that employ individuals who have careers in the Education & Training career cluster.
06.03	Describe the variety of tasks performed by individuals who have careers in the Education & Training career cluster.
06.04	List the skills, abilities, and talents needed for careers in the Education & Training career cluster.
06.05	Identify the level of training and education required for careers in the Education & Training career cluster.
06.06	Research a career in the Education & Training career cluster and present findings to the class.
06.07	Apply math, science, and reading skills in the completion of a project or activity related to the Education & Training career cluster.
07.0	Identify and explore careers in the Energy cluster. The student will be able to:
07.01	Identify the pathways in the Energy career cluster and the careers in each pathway.
07.02	Describe the types of places that employ individuals who have careers in the Energy career cluster.
07.03	Describe the variety of tasks performed by individuals who have careers in the Energy career cluster.
07.04	List the skills, abilities, and talents needed for careers in the Energy career cluster.
07.05	Identify the level of training and education required for careers in the Energy career cluster.
07.06	Research a career in the Energy career cluster and present findings to the class.
07.07	Apply math, science, and reading skills in the completion of a project or activity related to the Energy career cluster.
08.0	Identify and explore careers in the Finance cluster. The student will be able to:
08.01	Identify the pathways in the Finance career cluster and the careers in each pathway.
08.02	Describe the types of places that employ individuals who have careers in the Finance career cluster.
08.03	Describe the variety of tasks performed by individuals who have careers in the Finance career cluster.
08.04	List the skills, abilities, and talents needed for careers in the Finance career cluster.

CTE Standards and Benchmarks

08.05	Identify the level of training and education required for careers in the Finance career cluster.
08.06	Research a career in the Finance career cluster and present findings to the class.
08.07	Apply math, science, and reading skills in the completion of a project or activity related to the Finance career cluster.
09.0	Identify and explore careers in the Government & Public Administration cluster. The student will be able to:
09.01	Identify the pathways in the Government & Public Administration career cluster and the careers in each pathway.
09.02	Describe the types of places that employ individuals who have careers in the Government & Public Administration career cluster.
09.03	Describe the variety of tasks performed by individuals who have careers in the Government & Public Administration career cluster.
09.04	List the skills, abilities, and talents needed for careers in the Government & Public Administration career cluster.
09.05	Identify the level of training and education required for careers in the Government & Public Administration career cluster.
09.06	Research a career in the Government & Public Administration career cluster and present findings to the class.
09.07	Apply math, science, and reading skills in the completion of a project or activity related to the Government & Public Administration career cluster.
10.0	Identify and explore careers in the Health Science cluster. The student will be able to:
10.01	Identify the pathways in the Health Science career cluster and the careers in each pathway.
10.02	Describe the types of places that employ individuals who have careers in the Health Science career cluster.
10.03	Describe the variety of tasks performed by individuals who have careers in the Health Science career cluster.
10.04	List the skills, abilities, and talents needed for careers in the Health Science career cluster.
10.05	Identify the level of training and education required for careers in the Health Science career cluster.
10.06	Research a career in the Health Science career cluster and present findings to the class.
10.07	Apply math, science, and reading skills in the completion of a project or activity related to the Health Science career cluster.
11.0	Identify and explore careers in the Hospitality & Tourism cluster. The student will be able to:
11.01	Identify the pathways in the Hospitality & Tourism career cluster and the careers in each pathway.
11.02	Describe the types of places that employ individuals who have careers in the Hospitality & Tourism career cluster.

CTE Standards and Benchmarks

11.03	Describe the variety of tasks performed by individuals who have careers in the Hospitality & Tourism career cluster.
11.04	List the skills, abilities, and talents needed for careers in the Hospitality & Tourism career cluster.
11.05	Identify the level of training and education required for careers in the Hospitality & Tourism career cluster.
11.06	Research a career in the Hospitality & Tourism career cluster and present findings to the class.
11.07	Apply math, science, and reading skills in the completion of a project or activity related to the Hospitality & Tourism career cluster.
12.0	Identify and explore careers in the Human Services cluster. The student will be able to:
12.01	Identify the pathways in the Human Services career cluster and the careers in each pathway.
12.02	Describe the types of places that employ individuals who have careers in the Human Services career cluster.
12.03	Describe the variety of tasks performed by individuals who have careers in the Human Services career cluster.
12.04	List the skills, abilities, and talents needed for careers in the Human Services career cluster.
12.05	Identify the level of training and education required for careers in the Human Services career cluster.
12.06	Research a career in the Human Services career cluster and present findings to the class.
12.07	Apply math, science, and reading skills in the completion of a project or activity related to the Human Services career cluster.
13.0	Identify and explore careers in the Information Technology cluster. The student will be able to:
13.01	Identify the pathways in the Information Technology career cluster and the careers in each pathway.
13.02	Describe the types of places that employ individuals who have careers in the Information Technology career cluster.
13.03	Describe the variety of tasks performed by individuals who have careers in the Information Technology career cluster.
13.04	List the skills, abilities, and talents needed for careers in the Information Technology career cluster.
13.05	Identify the level of training and education required for careers in the Information Technology career cluster.
13.06	Research a career in the Information Technology career cluster and present findings to the class.
13.07	Apply math, science, and reading skills in the completion of a project or activity related to the Information Technology career cluster.
14.0	Identify and explore careers in the Law, Public Safety & Security cluster. The student will be able to:

CTE Standards and Benchmarks

14.01	Identify the pathways in the Law, Public Safety & Security career cluster and the careers in each pathway.
14.02	Describe the types of places that employ individuals who have careers in the Law, Public Safety & Security career cluster.
14.03	Describe the variety of tasks performed by individuals who have careers in the Law, Public Safety & Security career cluster.
14.04	List the skills, abilities, and talents needed for careers in the Law, Public Safety & Security career cluster.
14.05	Identify the level of training and education required for careers in the Law, Public Safety & Security career cluster.
14.06	Research a career in the Law, Public Safety & Security career cluster and present findings to the class.
14.07	Apply math, science, and reading skills in the completion of a project or activity related to the Law, Public Safety & Security career cluster.
15.0	Identify and explore careers in the Manufacturing cluster. The student will be able to:
15.01	Identify the pathways in the Manufacturing career cluster and the careers in each pathway.
15.02	Describe the types of places that employ individuals who have careers in the Manufacturing career cluster.
15.03	Describe the variety of tasks performed by individuals who have careers in the Manufacturing career cluster.
15.04	List the skills, abilities, and talents needed for careers in the Manufacturing career cluster.
15.05	Identify the level of training and education required for careers in the Manufacturing career cluster.
15.06	Research a career in the Manufacturing career cluster and present findings to the class.
15.07	Apply math, science, and reading skills in the completion of a project or activity related to the Manufacturing career cluster.
16.0	Identify and explore careers in the Marketing, Sales & Service cluster. The student will be able to:
16.01	Identify the pathways in the Marketing, Sales & Service career cluster and the careers in each pathway.
16.02	Describe the types of places that employ individuals who have careers in the Marketing, Sales & Service career cluster.
16.03	Describe the variety of tasks performed by individuals who have careers in the Marketing, Sales & Service career cluster.
16.04	List the skills, abilities, and talents needed for careers in the Marketing, Sales & Service career cluster.
16.05	Identify the level of training and education required for careers in the Marketing, Sales & Service career cluster.
16.06	Research a career in the Marketing, Sales & Service career cluster and present findings to the class.

CTE Standards and Benchmarks	
16.07	Apply math, science, and reading skills in the completion of a project or activity related to the Marketing, Sales & Service career cluster.
17.0	Identify and explore careers in Engineering & Technology Education. The student will be able to:
17.01	Identify the pathways in Engineering & Technology Education.
17.02	Describe the types of places that employ individuals who have careers in Engineering & Technology Education.
17.03	Describe the variety of tasks performed by individuals who have careers in Engineering & Technology Education.
17.04	List the skills, abilities, and talents needed for careers in Engineering & Technology Education.
17.05	Identify the level of training and education required for careers in Engineering & Technology Education.
17.06	Research a career in Engineering & Technology Education and present findings to the class.
17.07	Apply math, science, and reading skills in the completion of a project or activity related to the Engineering & Technology Education.
18.0	Identify and explore careers in the Transportation & Logistics cluster. The student will be able to:
18.01	Identify the pathways in the Transportation & Logistics career cluster and the careers in each pathway.
18.02	Describe the types of places that employ individuals who have careers in the Transportation & Logistics career cluster.
18.03	Describe the variety of tasks performed by individuals who have careers in the Transportation & Logistics career cluster.
18.04	List the skills, abilities, and talents needed for careers in the Transportation & Logistics career cluster.
18.05	Identify the level of training and education required for careers in the Transportation & Logistics career cluster.
18.06	Research a career in the Transportation & Logistics career cluster and present findings to the class.
18.07	Apply math, science, and reading skills in the completion of a project or activity related to the Transportation & Logistics career cluster.
19.0	Describe leadership skills. The student will be able to:
19.01	Identify the Career and Technical Student Organization(s) that are appropriate for CTE programs in each of the career clusters.
19.02	Describe the leadership opportunities available to members of the CTSOs identified above.
19.03	Investigate the CTSOs at your school and/or in your school district (e.g., membership requirements, dues, activities, events).

Additional Information

Laboratory Activities

Laboratory investigations that include scientific inquiry, research, measurement, problem solving, emerging technologies, tools and equipment, as well as, experimental, quality, and safety procedures are an integral part of this career and technical program/course. Laboratory investigations benefit all students by developing an understanding of the complexity and ambiguity of empirical work, as well as the skills required to manage, operate, calibrate and troubleshoot equipment/tools used to make observations. Students understand measurement error; and have the skills to aggregate, interpret, and present the resulting data. Equipment and supplies should be provided to enhance hands-on experiences for students.

Florida Standards for English Language Development (ELD)

English language learners communicate for social and instructional purposes within the school setting. ELD.K12.ELL.SI.1

English Language Development (ELD) Standards Special Notes:

Teachers are required to provide listening, speaking, reading and writing instruction that allows English language learners (ELL) to communicate for social and instructional purposes within the school setting. For the given level of English language proficiency and with visual, graphic, or interactive support, students will interact with grade level words, expressions, sentences and discourse to process or produce language necessary for academic success. The ELD standard should specify a relevant content area concept or topic of study chosen by curriculum developers and teachers which maximizes an ELL's need for communication and social skills. To access an ELL supporting document which delineates performance definitions and descriptors, please click on the following link: <http://www.cpalms.org/uploads/docs/standards/eld/SI.pdf>. For additional information on the development and implementation of the ELD standards, please contact the Bureau of Student Achievement through Language Acquisition at sala@fldoe.org.

Special Notes

Refer to <http://www.careertech.org/> for additional information and resources.

Career and Technical Student Organization (CTSO)

CTSOs are co-curricular career and technical student organizations providing leadership training and reinforcing specific career and technical skills. Career and Technical Student Organizations provide activities for students as an integral part of the instruction offered. Other CTOSs not listed in this curriculum framework or recognized by the Florida Department of Education are permissible provided they support student mastery over the standards and benchmarks of this curriculum framework.

Accommodations

Federal and state legislation requires the provision of accommodations for students with disabilities as identified on the secondary student's Individual Educational Plan (IEP) or 504 plan or postsecondary student's accommodations' plan to meet individual needs and ensure equal access. Postsecondary students with disabilities must self-identify, present documentation, request accommodations if needed, and develop a plan with their counselor and/or instructors. Accommodations received in postsecondary education may differ from those received in secondary

education. Accommodations change the way the student is instructed. 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.

In addition to accommodations, some secondary students with disabilities (students with an IEP served in Exceptional Student Education (ESE)) will need modifications to meet their needs. Modifications change the outcomes or what the student is expected to learn, e.g., modifying the curriculum of a secondary career and technical education course. Note: postsecondary curriculum and regulated secondary programs cannot be modified.