

# FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT



## Information Technology Applications

<b>Board Approval Date: June 17, 2021</b>	<b>Course Length: 1 Semester</b>
<b>Grading: A-F</b>	<b>Credits: 5 Credits per Semester</b>
<b>Proposed Grade Level(s): 9th - 12th</b>	<b>Subject Area: Elective Elective Area (if applicable): Career Technical Education</b>
<b>Prerequisite(s):</b>	<b>Corequisite(s):</b>
<b>CTE Sector/Pathway: Information &amp; Communication Technologies/Multiple Pathways</b>	
<b>Intent to Pursue 'A-G' College Prep Status: Yes</b>	
<b>A-G Course Identifier: (g) Elective</b>	
<b>Graduation Requirement: No</b>	
<b>Course Intent: District Course Program (if applicable):</b>	
<p>The Folsom Cordova Unified School District prohibits discrimination, intimidation, harassment (including sexual harassment) or bullying based on a person's actual or perceived ancestry, color, disability, race or ethnicity, religion, gender, gender identity or gender expression, immigration status, national origin, sex, sexual orientation, or association with a person or group with one or more of these actual or perceived characteristics. For concerns/questions or complaints, contact the <b>Title IX Coordinator(s) and Equity Compliance Officer(s): Curtis Wilson, <a href="mailto:cmwilson@fcusd.org">cmwilson@fcusd.org</a> (grades K-5) and Jim Huber, Ed. D., <a href="mailto:jhuber@fcusd.org">jhuber@fcusd.org</a> (grades 6-12), 1965 Birkmont Drive, Rancho Cordova, CA 96742, 916-294-9000 ext.104625</b></p>	

### COURSE DESCRIPTION: (Online Course)

**Information Technology Applications prepares students to work in the field of Information Technology. Students will be able to demonstrate digital literacy through basic study of computer hardware, operating systems, networking, the Internet, web publishing, spreadsheets, and database software. Through a series of hand-on activities, students will learn what to expect in the field of Information Technology and begin exploring career options in the field.**

**DETAILED UNITS OF INSTRUCTION:**

<b>Unit Number/Title</b>	<b>Unit Essential Questions</b>	<b>Examples of Formative Assessments</b>	<b>Examples of Summative Assessment</b>
<b>1. Information Technology</b>	What is Information Technology? What careers are available in Information Technology?	* Students will compare and contrast various emerging technologies, including their impact on society and how they are evaluated *Students will research a variety of information technology careers	*Unit Test
<b>2. Computer Hardware and Software</b>	What are the hardware parts and functions of a computer? What are the software parts and functions of a computer?	*Students will identify operating system and application software components. *Students will use application software in response to a business-related scenario.	*Unit Test
<b>3. Spreadsheets and Databases</b>	What is a spreadsheet and how is it used? What is a database and how is it used?	*Students will use a spreadsheet to perform business-related tasks *Students will use a spreadsheet and database to complete a business process	*Unit Test
<b>4. Information Systems and Networking</b>	What are information systems? What is networking?	*Students will use information systems for business planning, strategies, and operations *Students will analyze the use of information systems and networks in a business scenario	*Unit Test
<b>5. Exploring the Web</b>	What is the internet and how is it used? What security, laws, and ethics exist that pertain to the internet? What are the basics of web design?	*Students will apply effective Internet search strategies *Students will create web pages to produce an effective website	*Unit Test

**ESSENTIAL STANDARDS:**

<https://www.cde.ca.gov/ci/ct/sf/documents/bizfinance.pdf>

**RELEVANT STANDARDS AND FRAMEWORKS, CONTENT/PROGRAM SPECIFIC STANDARDS:**

**Link to Common Core Standards (if applicable):**

Educational standards describe what students should know and be able to do in each subject in each grade. In California, the State Board of Education decides on the standards for all students, from kindergarten through high school.

<https://www.cde.ca.gov/be/st/ss/documents/finalelaccsstandards.pdf>

**Link to Framework (if applicable):**

Curriculum frameworks provide guidance for implementing the content standards adopted by the State Board of Education (SBE). Frameworks are developed by the Instructional Quality Commission, formerly known as the Curriculum Development and Supplemental Materials Commission, which also reviews and recommends textbooks and other instructional materials to be adopted by the SBE.

**Link to Subject Area Content Standards (if applicable):**

Content standards were designed to encourage the highest achievement of every student, by defining the knowledge, concepts, and skills that students should acquire at each grade level.

<https://www.cde.ca.gov/ci/ct/sf/documents/ctescrpflyer.pdf>

<https://www.cde.ca.gov/ci/ct/sf/documents/infocomtech.pdf>

**Link to Program Content Area Standards (if applicable):**

Program Content Area Standards apply to programs such as International Baccalaureate, Advanced Placement, Career and Technical Education, etc.

**TEXTBOOKS AND RESOURCE MATERIALS:**

**Textbooks**

Board Approved	Pilot Completion Date (If applicable)	Textbook Title	Author(s)	Publisher	Edition	Date
Y		<i>APEX: Information Technology Applications</i>		Apex Online Courses		2019

**Other Resource Materials**

N/A

**Supplemental Materials**

Board Approved Supplemental Materials (Including but not limited to: Film Clips, Digital Resources, Supplemental texts, DVDs, Programs (Pebble Creek, DBQ, etc.):

N/A