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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **COURSE INTRODUCTION:**  Computer technology skills are vital to business; they permeate the entire workplace. Familiarity with computer programming is required in a growing number of firms and occupations primarily because of the increasingly widespread use of computerized management information systems.  This course focuses on converting problems into detailed plans, writing code into computer language, testing, monitoring, debugging, documenting and maintaining computer programs. Students will also design programs for specific uses. | | | | | | | | | |
| **UNIT DESCRIPTION:**  Students will discover opportunities in the field of IT while improving communication skills. | | | | **SUGGESTED UNIT TIMELINE: 1.5 WEEKS**  **CLASS PERIOD (min.): 50 MINUTES** | | | | |
| **ESSENTIAL QUESTIONS:**   1. What do you do in a typical day working in Information Technology? 2. What is the value of effective communication? | | | | | | | | |
|  | | | | | | | | |
| **ESSENTIAL MEASURABLE LEARNING OBJECTIVES** | | **CCSS LEARNING GOALS (Anchor Standards/Clusters)** | **CROSSWALK TO STANDARDS** | | | | | |
| **GLEs/CLEs** | | **PS** | **CCSS** | **NBEA** | **DOK** |
| 1. Demonstrate working as a team | |  |  | |  | **SL.11-12.1**  **SL.11-12.2**  **SL.11-12.3**  **SL.11-12.4**  **SL.11-12.5**  **SL.11-12.6**  **WHST.11-12.6** | **IT-VIII.**  **IT-VIII.2**  **IT-VIII.3**  **IT-XVI.1**  **IT-XVI.2**  **IT-XVI.3**  **COMM-I.A.1**  **COMM-I.A.2**  **COMM-I.A.3**  **COMM-I.A.4**  **COMM-I.B.1**  **COMM-I.B.2**  **COMM-I.B.3**  **COMM-I.B.4**  **COMM-I.C.1**  **COMM-I.C.2**  **COMM-I.C.3**  **COMM-I.C.4**  **COMM-I.D.1**  **COMM-I.D.2**  **COMM-I.D.3**  **COMM-I.D.4**  **COMM-II.A.1**  **COMM-II.A.2**  **COMM-II.A.3**  **COMM-II.A.4**  **COMM-II.B.1**  **COMM-II.B.2**  **COMM-II.B.3**  **COMM-II.B.4**  **COMM-III.B.1**  **COMM-III.B.2**  **COMM-III.B.3**  **COMM-III.B.4**  **COMM-III.C.1**  **COMM-III.C.2**  **COMM-III.C.3**  **COMM-III.C.4**  **COMM-III.D.1**  **COMM-III.D.2**  **COMM-III.D.3**  **COMM-III.D.4**  **COMM-III.E.1**  **COMM-III.E.2**  **COMM-III.E.3**  **COMM-III.E.4**  **COMM-IV.1**  **COMM-IV.2**  **COMM-IV.3**  **COMM-IV.4** | **3** |
| 1. Search the web and other places to locate career-planning information and job opportunities related to programming | |  |  | |  | **RI.11-12.1**  **RI.11-12.2**  **RI.11-12.3**  **RI.11-12.4**  **RI.11-12.10**  **SL.11-12.2**  **L.11-12.3**  **L.11-12.4**  **L.11-12.5**  **L.11-12.6**  **RST.11-12.1**  **RST.11-12.2**  **RST.11-12.3**  **RST.11-12.4**  **RST.11-12.5**  **RST.11-12.6**  **RST.11-12.7**  **RST.11-12.8**  **RST.11-12.9**  **RST.11-12.10** | **IT-I.1**  **IT-I.2**  **IT-V.1**  **IT-V.2**  **IT-V.3**  **IT-VI.1**  **IT-VI.2**  **IT-VI.3**  **IT-VIII.1**  **IT-VIII.2**  **IT-VIII.3**  **IT-XVI.1**  **IT-XVI.2**  **IT-XVI.3**  **IT-XVIII.1**  **IT-XVIII.2**  **IT-XVIII.2**  **IT-XVIII.4**  **CARDEV-I.A.1**  **CARDEV-I.A.2**  **CARDEV-I.A.3**  **CARDEV-I.A.4**  **CARDEV-I.B.1**  **CARDEV-I.B.2**  **CARDEV-I.B.3**  **CARDEV-I.B.4**  **CARDEV-II.A.1**  **CARDEV-II.A.2**  **CARDEV-II.A.3**  **CARDEV-II.A.4**  **CARDEV-II.B.1**  **CARDEV-II.B.2**  **CARDEV-II.B.3**  **CARDEV-II.B.4**  **CARDEV-III.A.1**  **CARDEV-III.A.2**  **CARDEV-III.A.3**  **CARDEV-III.A.4**  **CARDEV-III.B.1**  **CARDEV-III.B.2**  **CARDEV-III.B.3**  **CARDEV-III.B.4**  **CARDEV-III.C.1**  **CARDEV-III.C.2**  **CARDEV-III.C.3**  **CARDEV-III.C.4**  **CARDEV-III.D.1**  **CARDEV-III.D.2**  **CARDEV-III.D.3**  **CARDEV-III.D.4**  **CARDEV-III.E.1**  **CARDEV-III.E.2**  **CARDEV-III.E.3**  **CARDEV-III.E.4**  **CARDEV-III.F.1**  **CARDEV-III.F.2**  **CARDEV-III.F.3**  **CARDEV-III.F.4**  **CARDEV-III.G.1**  **CARDEV-III.G.2**  **CARDEV-III.G.3**  **CARDEV-III.G.4**  **CARDEV-IV.A.1**  **CARDEV-IV.A.2**  **CARDEV-IV.A.3**  **CARDEV-IV.A.4**  **CARDEV-IV.B.1**  **CARDEV-IV.B.2**  **CARDEV-IV.B.3**  **CARDEV-IV.B.4**  **CARDEV-IV.C.1**  **CARDEV-IV.C.2**  **CARDEV-IV.C.3**  **CARDEV-IV.C.4**  **CARDEV-V.A.1**  **CARDEV-V.A.2**  **CARDEV-V.A.3**  **CARDEV-V.A.4**  **CARDEV-V.B.1**  **CARDEV-V.B.2**  **CARDEV-V.B.3**  **CARDEV-V.B.4**  **CARDEV-V.C.1**  **CARDEV-V.C.2**  **CARDEV-V.C.3**  **CARDEV-V.C.4**  **CARDEV-VI.A.1**  **CARDEV-VI.A.2**  **CARDEV-VI.A.3**  **CARDEV-VI.A.4**  **CARDEV-VI.B.1**  **CARDEV-VI.B.2**  **CARDEV-VI.B.3**  **CARDEV-VI.B.4** | **2** |
| 1. Identify careers in the information technology field | |  |  | |  | **W.11-12.1**  **W.11-12.4**  **W.11-12.5**  **W.11-12.6**  **W.11-12.7**  **W.11-12.8**  **W.11-12.9**  **SL.11-12.2**  **SL.11-12.5**  **L.11-12.3**  **L.11-12.4**  **L.11-12.5**  **L.11-12.6**  **RST.11-12.1**  **RST.11-12.2**  **RST.11-12.3**  **RST.11-12.4**  **RST.11-12.5**  **RST.11-12.6**  **RST.11-12.7**  **RST.11-12.8**  **RST.11-12.9**  **RST.11-12.10**  **WHST.11-12.1**  **WHST.11-12.2**  **WHST.11-12.4**  **WHST.11-12.5**  **WHST.11-12.6**  **WHST.11-12.7**  **WHST.11-12.8**  **WHST.11-12.9**  **WHST.11-12.10** | **IT-I.1**  **IT-I.2**  **IT-V.1**  **IT-V.2**  **IT-V.3**  **IT-VI.1**  **IT-VI.2**  **IT-VI.3**  **IT-VIII.1**  **IT-VIII.2**  **IT-VIII.3**  **IT-XVIII.1**  **IT-XVIII.2**  **IT-XVIII.2**  **IT-XVIII.4**  **CARDEV-I.A.1**  **CARDEV-I.A.2**  **CARDEV-I.A.3**  **CARDEV-I.A.4**  **CARDEV-I.B.1**  **CARDEV-I.B.2**  **CARDEV-I.B.3**  **CARDEV-I.B.4**  **CARDEV-II.A.1**  **CARDEV-II.A.2**  **CARDEV-II.A.3**  **CARDEV-II.A.4**  **CARDEV-II.B.1**  **CARDEV-II.B.2**  **CARDEV-II.B.3**  **CARDEV-II.B.4**  **CARDEV-III.A.1**  **CARDEV-III.A.2**  **CARDEV-III.A.3**  **CARDEV-III.A.4**  **CARDEV-III.B.1**  **CARDEV-III.B.2**  **CARDEV-III.B.3**  **CARDEV-III.B.4**  **CARDEV-III.C.1**  **CARDEV-III.C.2**  **CARDEV-III.C.3**  **CARDEV-III.C.4**  **CARDEV-III.D.1**  **CARDEV-III.D.2**  **CARDEV-III.D.3**  **CARDEV-III.D.4**  **CARDEV-III.E.1**  **CARDEV-III.E.2**  **CARDEV-III.E.3**  **CARDEV-III.E.4**  **CARDEV-III.F.1**  **CARDEV-III.F.2**  **CARDEV-III.F.3**  **CARDEV-III.F.4**  **CARDEV-III.G.1**  **CARDEV-III.G.2**  **CARDEV-III.G.3**  **CARDEV-III.G.4**  **CARDEV-IV.A.1**  **CARDEV-IV.A.2**  **CARDEV-IV.A.3**  **CARDEV-IV.A.4**  **CARDEV-IV.B.1**  **CARDEV-IV.B.2**  **CARDEV-IV.B.3**  **CARDEV-IV.B.4**  **CARDEV-IV.C.1**  **CARDEV-IV.C.2**  **CARDEV-IV.C.3**  **CARDEV-IV.C.4**  **CARDEV-V.A.1**  **CARDEV-V.A.2**  **CARDEV-V.A.3**  **CARDEV-V.A.4**  **CARDEV-V.B.1**  **CARDEV-V.B.2**  **CARDEV-V.B.3**  **CARDEV-V.B.4**  **CARDEV-V.C.1**  **CARDEV-V.C.2**  **CARDEV-V.C.3**  **CARDEV-V.C.4**  **CARDEV-VI.A.1**  **CARDEV-VI.A.2**  **CARDEV-VI.A.3**  **CARDEV-VI.A.4**  **CARDEV-VI.B.1**  **CARDEV-VI.B.2**  **CARDEV-VI.B.3**  **CARDEV-VI.B.4** | **1** |
| 1. Demonstrate communication skills | |  |  | |  | **RI.11-12.7**  **W.11-12.1**  **W.11-12.2**  **W.11-12.4**  **W.11-12.5**  **W.11-12.6**  **W.11-12.7**  **W.11-12.8**  **W.11-12.9**  **SL.11-12.1**  **SL.11-12.2**  **SL.11-12.3**  **SL.11-12.4**  **SL.11-12.5**  **SL.11-12.6**  **L.11-12.1**  **L.11-12.2**  **L.11-12.3**  **L.11-12.4**  **L11-12.5**  **L.11-12.6** | **COMM-I.A.1**  **COMM-I.A.2**  **COMM-I.A.3**  **COMM-I.A.4**  **COMM-I.B.1**  **COMM-I.B.2**  **COMM-I.B.3**  **COMM-I.B.4**  **COMM-I.C.1**  **COMM-I.C.2**  **COMM-I.C.3**  **COMM-I.C.4**  **COMM-I.D.1**  **COMM-I.D.2**  **COMM-I.D.3**  **COMM-I.D.4**  **COMM-II.A.1**  **COMM-II.A.2**  **COMM-II.A.3**  **COMM-II.A.4**  **COMM-II.B.1**  **COMM-II.B.2**  **COMM-II.B.3**  **COMM-II.B.4**  **COMM-III.B.1**  **COMM-III.B.2**  **COMM-III.B.3**  **COMM-III.B.4**  **COMM-III.E.1**  **COMM-III.E.2**  **COMM-III.E.3**  **COMM-III.E.4**  **COMM-III.F.1**  **COMM-III.F.2**  **COMM-III.F.3**  **COMM-III.F.4**  **COMM-IV.1**  **COMM-IV.2**  **COMM-IV.3**  **COMM-IV.4** | **2** |
| 1. Demonstrate logical thinking | |  |  | |  | **RI.11-12.4**  **W.11-12.1**  **RST.11-12.2**  **RST.11-12.3**  **RST.11-12.4**  **RST.11-12.5**  **RST.11-12.6**  **RST.11-12.7**  **RST.11-12.8**  **RST.11-12.9**  **RST.11-12.10** | **IT-V.1**  **IT-V.2**  **IT-V.3**  **IT-X.3**  **IT-X.4** | **3** |
| 1. Demonstrate interpersonal skills | |  |  | |  | **W.11-12.5**  **SL.11-12.1**  **SL.11-12.2**  **SL.11-12.3**  **SL.11-12.4**  **SL.11-12.5**  **SL.11-12.6**  **WHST.11-12.6** | **COMM-I.A.1**  **COMM-I.A.2**  **COMM-I.A.3**  **COMM-I.A.4**  **COMM-I.B.1**  **COMM-I.B.2**  **COMM-I.B.3**  **COMM-I.B.4**  **COMM-II.A.1**  **COMM-II.A.2**  **COMM-II.A.3**  **COMM-II.A.4**  **COMM-II.B.1**  **COMM-II.B.2**  **COMM-II.B.3**  **COMM-II.B.4**  **COMM-III.B.1**  **COMM-III.B.2**  **COMM-III.B.3**  **COMM-III.B.4**  **COMM-III.F.1**  **COMM-III.F.2**  **COMM-III.F.3**  **COMM-III.F.4**  **COMM-IV.1**  **COMM-IV.2**  **COMM-IV.3**  **COMM-IV.4** | **2** |
| 1. Create a resume | |  |  | |  | **RI.11-12.7**  **W.11-12.1**  **W.11-12.2**  **W.11-12.4**  **W.11-12.5**  **W.11-12.6**  **W.11-12.7**  **W.11-12.8**  **W.11-12.9**  **L.11-12.1**  **L.11-12.2**  **L.11-12.3** | **COMM-I.D.1**  **COMM-I.D.2**  **COMM-I.D.3**  **COMM-I.D.4**  **COMM-III.F.1**  **COMM-III.F.2**  **COMM-III.F.3**  **COMM-III.F.4**  **COMM-IV.1**  **COMM-IV.2**  **COMM-IV.3**  **COMM-IV.4**  **CARDEV-I.A.1**  **CARDEV-I.A.2**  **CARDEV-I.A.3**  **CARDEV-I.A.4**  **CARDEV-I.B.1**  **CARDEV-I.B.2**  **CARDEV-I.B.3**  **CARDEV-I.B.4**  **CARDEV-V.A.1**  **CARDEV-V.A.2**  **CARDEV-V.A.3**  **CARDEV-V.A.4**  **CARDEV-V.B.1**  **CARDEV-V.B.2**  **CARDEV-V.B.3**  **CARDEV-V.B.4**  **CARDEV-V.C.1**  **CARDEV-V.C.2**  **CARDEV-V.C.3**  **CARDEV-V.C.4**  **CARDEV-VI.A.1**  **CARDEV-VI.A.2**  **CARDEV-VI.A.3**  **CARDEV-VI.A.4**  **CARDEV-VI.B.1**  **CARDEV-VI.B.2**  **CARDEV-VI.B.3**  **CARDEV-VI.B.4** | **4** |
| 1. Demonstrate good interview skills | |  |  | |  | **SL.11-12.1**  **SL.11-12.2**  **SL.11-12.3**  **SL.11-12.4**  **SL.11-12.5**  **SL.11-12.6**  **L.11-12.5**  **L.11-12.6** | **COMM-I.A.1**  **COMM-I.A.2**  **COMM-I.A.3**  **COMM-I.A.4**  **COMM-I.B.1**  **COMM-I.B.2**  **COMM-I.B.3**  **COMM-I.B.4**  **COMM-II.A.1**  **COMM-II.A.2**  **COMM-II.A.3**  **COMM-II.A.4**  **COMM-II.B.1**  **COMM-II.B.2**  **COMM-II.B.3**  **COMM-II.B.4**  **COMM-III.B.1**  **COMM-III.B.2**  **COMM-III.B.3**  **COMM-III.B.4**  **COMM-III.F.1**  **COMM-III.F.2**  **COMM-III.F.3**  **COMM-III.F.4**  **COMM-IV.1**  **COMM-IV.2**  **COMM-IV.3**  **COMM-IV.4** | **3** |
| 1. Exhibit leadership skills through a student organization (e.g. FBLA, PBL, ACM) | |  |  | |  | **SL.11-12.1**  **SL.11-12.2**  **SL.11-12.3**  **SL.11-12.4**  **SL.11-12.5**  **SL.11-12.6**  **WHST.11-12.6** | **COMM-I.A.1**  **COMM-I.A.2**  **COMM-I.A.3**  **COMM-I.A.4**  **COMM-I.B.1**  **COMM-I.B.2**  **COMM-I.B.3**  **COMM-I.B.4**  **COMM-II.A.1**  **COMM-II.A.2**  **COMM-II.A.3**  **COMM-II.A.4**  **COMM-II.B.1**  **COMM-II.B.2**  **COMM-II.B.3**  **COMM-II.B.4**  **COMM-III.B.1**  **COMM-III.B.2**  **COMM-III.B.3**  **COMM-III.B.4**  **COMM-III.C.1**  **COMM-III.C.2**  **COMM-III.C.3**  **COMM-III.C.4**  **COMM-III.D.1**  **COMM-III.D.2**  **COMM-III.D.3**  **COMM-III.D.4**  **COMM-IV.1**  **COMM-IV.2**  **COMM-IV.3**  **COMM-IV.4**  **MGMT-I.A.1**  **MGMT-I.A.2**  **MGMT-I.A.3**  **MGMT-I.B.1**  **MGMT-I.B.2**  **MGMT-I.B.3**  **MGMT-I.C.1**  **MGMT-I.C.2**  **MGMT-I.C.3**  **MGMT-I.D.1**  **MGMT-I.D.2**  **MGMT-I.D.3**  **MGMT-IV.A.1**  **MGMT-IV.A.2**  **MGMT-IV.A.3**  **MGMT-IV.A.4**  **MGMT-IV.B.1**  **MGMT-IV.B.2**  **MGMT-IV.B.3**  **MGMT-IV.B.4**  **MGMT-IV.C.3**  **MGMT-IV.C.4**  **MGMT-IV.D.1**  **MGMT-IV.D.2**  **MGMT-IV.D.3**  **MGMT-IV.D.4**  **MGMT-IV.E.1**  **MGMT-IV.E.2**  **MGMT-IV.E.3**  **MGMT-IV.E.4**  **MGMT-V.A.1**  **MGMT-V.A.2**  **MGMT-V.A.3**  **MGMT-V.A.4**  **MGMT-V.B.1**  **MGMT-V.B.2**  **MGMT-V.B.3**  **MGMT-V.B.4** | **3** |
| **ASSESSMENT DESCRIPTIONS\*: (Write a brief overview here. Identify Formative/Summative. Actual assessments will be accessed by a link to PDF file or Word doc. )**  Job Interview Day – Advisory committee interviewing the students – see attached rubric (summative)  **\*Attach Unit Summative Assessment, including Scoring Guides/Scoring Keys/Alignment Codes and DOK Levels for all items. Label each assessment according to the unit descriptions above ( i.e., Grade Level/Course Title/Course Code, Unit #.)** | | | | | | | | |
| **Obj. #** | **INSTRUCTIONAL STRATEGIES (research-based): (Teacher Methods)** | | | | | | | |
| 1, 6 | 1. Lecture | | | | | | | |
| 4, 5 | 1. Independent Learning | | | | | | | |
| 2,3,7,8 | 1. Independent Learning | | | | | | | |
| 9 | 1. Independent Learning | | | | | | | |
| **Obj. #** | **INSTRUCTIONAL ACTIVITIES: (What Students Do)** | | | | | | | |
| 1, 6 | 1. Lecture and discussion on duties and day-to-day life (Areas of IS Employment ppts) | | | | | | | |
| 4, 5 | 2. Following directions activity – student practice activity | | | | | | | |
| 2,3,7,8 | 3. Initials skills summary and job search assignment | | | | | | | |
| 9 | 4. Student research on Video game development and new technology | | | | | | | |
| **UNIT RESOURCES: (include internet addresses for linking)** | | | | | | | | |