**Goodheart-Willcox Correlation of**

*Principles of Information Technology ©2017*

to Idaho Content Standards

**Course:** Information and Communication Technology

**Grades 9-12**

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<th>STANDARD</th>
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| **Standard 1: Creativity and Innovation**  
Goal 1.1: Demonstrate creative thinking, construct knowledge, and use information and communication technologies to develop innovative products and processes. | |
| 1.1 Evaluate and interpret existing knowledge to generate new ideas, products, or processes. | Pg. 407 What-If Analysis paragraphs #1–2  
Pg. 431 Chapter 10 Test Question #15  
Pg. 528–530 Evaluating Results  
Pg. 550–551 Chapter 13 Test Questions #3, 7  
Pg. 551 Application and Extension of Knowledge #2  
Pg. 685–689 Areas of Growth |
| 1.2 Create original works as a means of personal or group expression using multiple resources and formats. | Pg. 304–316 Section 8.1 Creating a Business Letter  
Pg. 317–333 Section 8.2 Creating a Report  
Pg. 343 Chapter 8 Test Questions #1–2, 4, 6–7, 11–12  
Pg. 344 Application and Extension of Knowledge #1–2  
Teamwork Pg. 130, 301, 396–397, 433, 505 |
| 1.3 Create models and simulations to explore complex systems and issues to identify trends and forecast possibilities. | Pg. 407 What-If Analysis paragraphs #1–2  
Pg. 431 Chapter 10 Test Question #15 |

| **Standard 2: Communication and Collaboration**  
Goal 2.1: Use digital media and environments to communicate and work collaboratively to support individual learning and to contribute to the learning of others. | |
| 2.1 Inquire, interact, and publish with peers, experts, or others employing a variety of digital media and environments. | Pg. 304–316 Section 8.1 Creating a Business Letter  
Pg. 317–333 Section 8.2 Creating a Report  
Teamwork Pg. 130, 301, 396–397, 433, 505 |
| 2.2 Collaborate with others using digital tools and media to identify issues and exchange ideas, develop new understandings, make decisions and/or solve problems | Pg. 628–630 Collaboration  
Pg. 631 Section 15.3 Check Your Understanding Question #5  
Pg. 633 Chapter 15 Test Question #10  
Pg. 634 Application and Extension of Knowledge Question #4 |
### Standard 3: Research Skills and Critical Thinking

#### Goal 3.1: Exercise critical thinking to plan and conduct research using a variety of information resources including print, digital and other sources.

| 3.1 | Design research questions and strategies based on information needs to solve an information problem or make an informed decision. | Pg. 318–319 Planning a Report  
Pg. 319 Researching a Report  
Pg. 706 Thinking Skills |
| 3.2 | Evaluate and select a variety of resources to solve an information problem or make an informed decision. | Pg. 528–530 Evaluating Results  
Pg. 550–551 Chapter 13 Test Questions #3, 7 |
| 3.3 | Formulate specific searches using advanced navigation skills to access a variety of resources. | Pg. 527–531 Using Search Engines  
Pg. 532 Section 13.1 Check Your Understanding #4  
Pg. 550 Chapter 13 Test Questions #3  
Pg. 553 Internet Research: Boolean Searches  
Pg. 706 Thinking Skills |
| 3.4 | Collect, analyze, organize, and interpret data and information to make informed decisions, draw conclusions, and construct new understanding and knowledge. | Pg. 295–296 Readability  
Pg. 318–324 Creating a Report  
Pg. 330–331 Citations  
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Pg. 422–424 Locating and Organizing Data  
Pg. 425–426 Hands-on Example 10.2.7: Sorting Data  
Pg. 705–706 Basic Skills  
Pg. 706 Thinking Skills |

### Standard 4: Digital Citizenship

#### Goal 4.1: Understand human, cultural, and societal issues related to information and communication technologies and practice legal and ethical behavior.

| 4.1 | Practice and explain importance of safe, ethical, legal, and responsible use of information and technology. | Pg. 209 CTSOs Event Prep: Ethics  
Pg. 334–341 Section 8.3 Ethical Practices for Intellectual Property  
Pg. 531–532 Ethical Use of the Internet  
Pg. 572–581 Section 14.3 Network Security  
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Pg. 636–681 Chapter 16 Security, Privacy, and Safety |
| 4.2 | Practice and explain importance of citing information sources. | Pg. 330–331 Citations  
Pg. 333 Section 8.2 Section Review Question #5  
Pg. 338–340 Proper Usage of Information  
Pg. 341 Section 8.3 Section Review Question #4  
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## Standard 5: Technology Operations & Concepts

### Goal 5.1: Demonstrate a sound understanding of technology concepts, systems, and operations.

| 5.1 | Evaluate, configure, and implement various technologies. | Pg. 6–19 Section 1.1 Computers are Everywhere<br>Pg. 20–24 Section 1.2 Computers in the Workplace<br>Pg. 31 Chapter 1 Test Questions #1–4, 7–8, 10–13, 15<br>Pg. 34–79 Chapter 2 Hardware<br>Pg. 178–184 Section 5.1 Purchasing a System<br>Pg. 183 Hands-on Example 5.1.1: Evaluate Computer Systems<br>Pg. 206–207 Chapter 5 Test Questions #1, 6–7, 12, 14 |
| 5.2 | Select, use and integrate various software applications. | Pg. 15–18 New and Emerging Classes of Software<br>Pg. 80–129 Chapter 3 Software<br>Pg. 187–189 Maintaining the Software<br>Pg. 264–301 Chapter 7 Word-Processing Software<br>Pg. 346–397 Chapter 9 Presentation Software<br>Pg. 398–433 Chapter 10 Spreadsheet Software<br>Pg. 462–505 Chapter 12 Database Software<br>Pg. 693 Software Developer |
| 5.3 | Troubleshoot technology systems and software applications. | Pg. 190–205 Section 5.3 Troubleshooting Basics<br>Pg. 192–193 Hands-on Example 5.3.1: Online Troubleshooting Help<br>Pg. 202 Hands-on Example 5.3.2: Terminating a Program<br>Pg. 204 Hands-on Example 5.3.3: Startup Processes<br>Pg. 207 Chapter 5 Test Questions #4–5, 9–10, 13<br>Pg. 208 Application and Extension of Knowledge Questions #4, 5 |
| 5.4 | Integrate new technologies into current knowledge and practices. | Pg. 586–635 Chapter 15 Electronic Communication and Collaboration<br>Pg. 684–700 Section 17.1 Career Fields in Information Technology<br>Pg. 728–729 Chapter 17 Test Questions #1–2, 6–7, 10–15<br>Pg. 729–730 Application and Extension of Knowledge Questions #1–5 |