

IDA #1 - Instructional Analysis

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Step 1 - Instructional Goal

"Undergraduate technology students will use the Internet to locate information on how to perform computer data backups and evaluate/document different aspects of Data Backup."

The target audience for this instructional goal is undergraduate technology students. The factors for this instruction include the following list of questions that will assist the student in focusing their critical thinking skills on attaining the instructional goal objective:

1. What is the purpose data backups and why is it important?
2. How will data backups benefit me?
3. What types of data backups are there?
4. What types of security (encryption) are there for the data backup?
5. When should backups be conducted?

Step 2 - Classify the Goal and Determine the Goal Steps

This instructional goal can be classified under Gagne's *intellectual skills* learning domain. The learning outcome for this instructional goal is at the *level of rules* within the *intellectual skills* domain. This instructional goal assumes that the target audience has basic cognitive, computing, and interpersonal social skills.

Major Goal Steps

1. **Obtain** Internet Access (1.0)
2. **Locate** Search Engine Site (2.0)
3. **Conduct** Internet Search (3.0)
4. **Evaluate** Search Results (4.0)
5. **Document** Aspects of Data Backup (5.0)

Step 3 - Identify Subordinate Skills

The following sub-ordinate skills must be learned in order to complete the major goal steps listed above:

1. **Obtain** Internet Access (1.0)
 - a. Locate Internet Ready Computer (1.1)
 - b. Perform Basic Computer Functions (1.2)
 - c. Open Internet Web Browser (1.3)

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2. **Locate** Search Engine Site (2.0)
 - a. Locate Address Bar in Internet Web Browser (2.1)
 - b. Type in Site Address for Preferred Search Engine (2.2)

3. **Conduct** Internet Search (3.0)
 - a. Determine Key Word Criteria (3.1)
 - b. Enter Key Words into Search Engine (3.2)
 - c. Explore Search Results in Browser (3.3)
 - d. Identify Information that Meets Criteria (3.4)

4. **Evaluate** Search Results (4.0)
 - a. Locate Credible Search Sources (4.1)
 - b. Find Consensus in Search Results (4.2)
 - c. Compare Results with Teammates (4.3)
 - d. Discuss Results with Class (4.4)

5. **Document** Aspects of Data Backup (5.0)
 - a. Create Word Document (5.1)
 - b. Check Spelling and Grammar (5.2)
 - c. Submit Document for Plagiarism Check (5.3)
 - d. Post Document to Assignment Thread (5.4)

Step 4 - Identify Entry Level Behaviors

There are six (6) Entry-Level Behaviors that need to be addressed prior to instructional task. Students should be able to do the following:

1. Navigate a Computer Interface
2. Navigate a Web Browser
3. Conduct Boolean Search
4. Evaluate Search Results
5. Document Aspects of Data Backup