
Scenario Title: **Explore Search Engines**

Assessment Approach: Performance tests that may allow use of resources (e.g.; Internet, books)

Notes:

Total Class Periods: 1 @ 40 minutes per class period

Materials/Resources: Access to the internet and Microsoft Word. Access to a printer if students are to print out assignment

Core Standards being tested by this scenario include:

Conduct technical research using the Internet. Connect to the Internet using a web browser. Explore the Internet using the browser features. Select search engine(s) to use. Locate information using search engine(s) and Boolean logic.

TWD2: Conduct Technical Research

Competency Builders:

- Identify target audience
- Define research questions
- Determine priorities of information to be gathered
- Identify and evaluate potential sources of information
- Gather information, determine accuracy and completeness of information gathered

INT3: Access the Internet

Competency Builders:

- Identify the key characteristics of the Internet
- Demonstrate knowledge of the ownership/administration of the Internet
- Trace the development of Internet technology
- Identify current issues related to the Internet
- Identify services and tools offered on the Internet
- Identify the specific strengths, weaknesses, and special features of available search engines

Int4: Utilize Internet services

- Access business and technical information using the Internet
- Select search engine(s) to use
- Select appropriate search procedures and approaches
- Locate information using search engine(s) and Boolean logic

Level of Mastery (circle one): 1 2 **3**

Level Three **Proficient (Technical Mastery) Level** - Learning is characterized by developing technical mastery of skill standards, self improvement through practice, reflection, coaching from peers, teachers and mentors; and solving of real workplace problems. Key words: Mastery, Problem solving, Integration, Individual Performance, Skill Transfer to new situations, teach others.

Assessment Scenario

You are writing a presentation to be given at a business convention. Using search engines, search the Internet for the early history of the Internet. Develop a time line of of key events and when key components were introduced to the public. Complete the timeline on Microsoft Word.

State Curriculum/Standards Connection

15.1.6.1 Identify the key characteristics of the Internet. Trace the development of Internet Technology. Identify the specific strengths, weaknesses, and special features of available search engines.

State IT/Technology Standard(s)

Competency 15.1: Demonstrate basic knowledge of the Internet

Competency Builders:

- 15.1.1 identify the key characteristics of the Internet
- 15.1.2 Demonstrate knowledge of the ownership/administration of the Internet
- 15.1.3 Trace the development of Internet technology
- 15.1.4 Identify current issues related to the Internet
- 15.1.5 Identify services and tools offered on the Internet
- 15.1.6.2 Identify the specific strengths, weaknesses, and special features of available search engines

State Academic Standard(s) – *Tech Prep Competencies - Ohio*

EC 10.19.00 Demonstrate knowledge of the Internet/Intranet

10.19.06 navigate the World Wide Web

10.19.06 Identify services and tools offered on the Internet/Intranet.

EC 10.20.00 Using the Internet/Intranet

10.20.01 Define how the Internet can be used for research

10.20.02 Use services and tools offered on the Internet for research

10.20.03 Identify search engines

10.20.04 Use search engines

10.20.05 Evaluate Internet resources and accuracy of information.

Scoring Guidelines: Explore Search Engines

Part One: Questions 1-3 (Total possible points = 32)

1. Describe at least 3 steps in accessing the Internet and using a search engine to find Internet sites (6 points)

Model response(s) – 2 points for each response

- Choose the Internet browser of choice (Internet Explorer or Netscape) and start the program.
- Choose a search engine.
- Uses multiple word searches.

2. Investigate the aspects of 3 search engines. Explain how each searches the Internet differently, and why you like one search engine over the others. Explain why + and – are used in searches. (20 pts)

Model response(s)

- List 3 search engine sites (2 pts each = 6 pts)
- Explain how each search the Internet differs. (2 pts for each search engine = 6 pts)
- Explain why you like one search engine over the other. (6 pts)
- Explain why + and – are used in searches. (2 pts)

3. Print out a list of your three search engine addresses. (6 pts)

Model response(s) – 2 points for each search engine listed with valid address sites

- Printed document
- Format easy to read
- Address are valid sites

Scoring Guidelines Part Two: (Total possible points: 30)

Students will demonstrate their ability to use search engines on the Internet to conduct technical research. They will connect to the Internet using a web browser, explore the Internet using the browser features, select search engine(s), and to locate information using search engine(s) and Boolean logic.

Standard or Skill/Knowledge	Scoring	Criteria
4. Conducts Technical Research	15	<ul style="list-style-type: none">• Product meets needs of target audience, includes appropriate sources/information• Information indicates well developed research workplan and priorities.• Product is accurate and contains complete information.
5. Timeline	15	<ul style="list-style-type: none">• Document includes 8 of 10 key chronological events• Timeline is well formatted, contains complete information (e.g. heading..), is printed
	5	<ul style="list-style-type: none">• Document 4 of 10 key chronological events, and is missing important information• Timeline is poorly formatted
	0	<ul style="list-style-type: none">• Document less than 4 key chronological events

**ITCC Scenario-Based Assessments
SCORE SHEET**

Explore Search Engines Total Possible Points: 62

Date: _____ Rater Name: _____

School: _____ Team: _____

St #	Q1 (6)	Q2 (20)	Q3 (6)	Q4 (15)	Q5 (15)	Total Pts. (62)
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