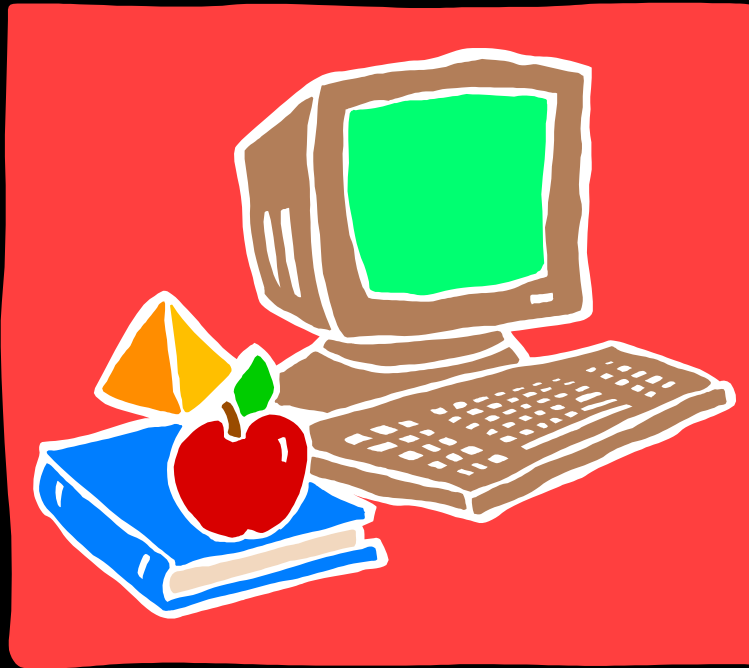


CyberConnect:



IP




**Use the Internet
with Big6 Skills™
to Master Standards**

**Janet Murray
Information Specialist
Nile C. Kinnick High School
Yokosuka Naval Base, Japan**

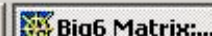
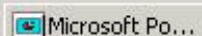
What is



- an information problem-solving model
- that integrates information search and use skills
- with technology tools
- to find, use, apply, and evaluate information

 Skill	Information Literacy Standards	NETS	Basic Activities	Advanced Activities
1 <u>Task Definition</u>	1.1 1.3	6.1	Concept Mapping	Graphic Organizers
2 <u>Information Seeking Strategies</u>	1.4 2.4	5.3	Subject Directories Evaluating Web Sites	Web Site Evaluation
3 <u>Location and Access</u>	1.5 7.1	5.1	Keyword Searching Boolean Logic	MetaSearch Engines Searching Tutorial
4 <u>Use of Information</u>	2.1 2.2	2.2	Analyze Sources	Identify Point of View
5 <u>Synthesis</u>	3.1 3.4 9.1	3.2 4.2	Critical Thinking Appropriate Product Bibliographic Citations	Classroom Applications
6				

Document: Done



5:34 AM

<http://www.surline.ne.jp/janetm/big6info.htm>



1. Task Definition

1.1 Define the information problem

1.2 Identify information needed in order to complete the task (to solve the information problem)



Information Literacy Standards

- 1.1 recognizes the need for information
- 1.3 formulates a question based on information needs

NETS

- 6.1 Students use technology resources for solving problems and making informed decisions.

Summary



1. Define task

- **Refine topic: narrow**
- **Use synonyms and related topics**



2. Information Seeking Strategies

2.1 Determine the range of possible sources (brainstorm)

2.2 Evaluate the different possible sources to determine priorities (select the best sources)

Information Literacy Standards

1.4 identifies a variety of potential sources of information

2.4 selects information appropriate to the problem or question at hand

NETS

5.3 Students evaluate and select new information resources . . . based on the appropriateness for specific tasks.

Summary



2. Identify sources

- **Books**
- **Magazines**
- **Newspapers**
- **World Wide Web**

Summary



2. Seek information

Why use subject directories?

- **Human agent**
- **Evaluated sites**
- **Annotated sites**
- **Organized by subject**

Summary



2. Evaluate sources

- **Authority**
- **Accuracy**
- **Currency**
- **Relevance**
- **Objectivity**



3. Location and Access

3.1 Locate sources (intellectually and physically)

3.2 Find information within sources



Information Literacy Standards

1.5 develops and uses successful strategies for learning information

7.1 seeks information from diverse sources, contents, disciplines, and cultures

NETS

5.1 Students use technology to locate, evaluate, and collect information from a variety of sources.

Summary



3. Locate information

Use search engines effectively

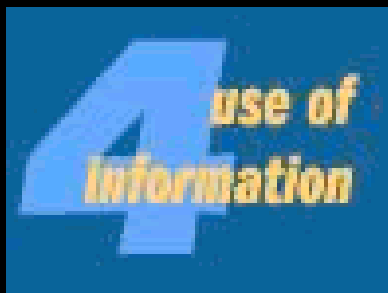
- **Use synonyms**
- **Related topics**
- **Boolean logic**
- **Search within a topic**
- **Use quotation marks**



4. Use of Information

4.1 Engage (e.g., read, hear, view, touch) the information in a source

4.2 Extract relevant information from a source



Information Literacy Standards

2.1 determines accuracy, relevance, and comprehensiveness

2.2 distinguishes among facts, point of view, and opinion

NETS

2.2 Students practice responsible use of technology systems, information, and software

Summary



4. Analyze sources

- **Opinion**
- **Point of view**
- **Bias**



5. Synthesis

**5.1 Organize information
from multiple sources**

5.2 Present the information



Information Literacy Standards

3.1 organizes information for practical application

3.4 produces and communicates information and ideas in appropriate formats

9.1 shares knowledge and information with others



NETS

3.2 Students use productivity tools to collaborate in constructing technology-enhanced models, prepare publications, and produce other creative works.

4.2 Students use a variety of media and formats to communicate information and ideas effectively to multiple audiences.

Summary



5. Synthesize

- **Present information**
- **Use multiple formats**



6. Evaluation

**6.1 Judge the product
(effectiveness)**

**6.2 Judge the information problem-
solving process (efficiency)**



Information Literacy Standards

6.1 assesses the quality of the process and products of one's own information-seeking

NETS

3.1 Students use technology tools to enhance learning, increase productivity, and promote creativity.

Summary



6. Evaluate

- the process
- the product

Sources



Big6: An Information Problem-Solving Process

<http://www.big6.com>

Big 6 Matrix: Use the Internet with Big6 Skills™ to Achieve Standards

<http://www.surflife.ne.jp/janetm/big6info.htm>

Sources



National Information Literacy Standards

http://www.ala.org/aasl/ip_nine.html

National Educational Technology Standards
for Students (NETS)

<http://cnets.iste.org/sfors.htm>

**Use the Internet
with Big6 Skills™
to Master Standards**

**Janet Murray
Information Specialist
Nile C. Kinnick High School
Yokosuka Naval Base, Japan**