## Themes of Information Problem-Solving



1. The IPS process can be applied in all subjects, with students of all ages, and across all grade levels (K-20).

## The Big6 is not just for kids.





## 2. IPS is adaptable and flexible; it can be applied to any information situation.







### **Everyday Contexts**

- buying a birthday gift
- deciding what movie to attend
- finding out if somebody likes you
- choosing colleges or careers or jobs

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making a banana split

#### Worksheet 3-1—Information Problem-Solving in School, Life, and Work Contexts

Information Problem-Solving Process	School Context	Life Context	Work Context
Task Definition			
Information Seeking Strategies			
Location & Access			
Use of Information			
Synthesis			
Evaluation			

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# 3. Technology skills take on meaning within the IPS process.

## **Technology - Out of Context**

- Word processing
   Electronic spreadsheets
- E-Mail
  Hyperstudie/Veb browsing Spell/grammar check
  Web page design
  Instant Messaging
  Upload/download
  Statistical analysis presentation

  - - Online.ce/algeedia production (PowerPoint)
- Database management systems
  Video production
  Group discussion
  Electronic indexes
  CAD/CAM

  - Graphics
     Use of operating systems
     Copy/paste
    - Telnet Brainstorming software
    - · Algorithms · Programming •

## **Better, But Still Out of Context**

- E-Mail
- Word processing
- Group discussion
- Online catalogs
- Electronic indexes
- Web browsing
- Web searching
- Electronic spreadsheets
- Upload/download
- HTML
- Spell/grammar check
- Brainstorming software
- PDAs
- Video production
- Algorithms
- Instant Messaging

Multimedia production (PowerPoint, Hyperstudio) ftp

- Chat
- Graphics
- Database management
- Inspiration
  - Use of operating systems
- Web page design
- Copy/paste
- Statistical analysis presentation
- CAD/CAM
- Telnet
- Programming

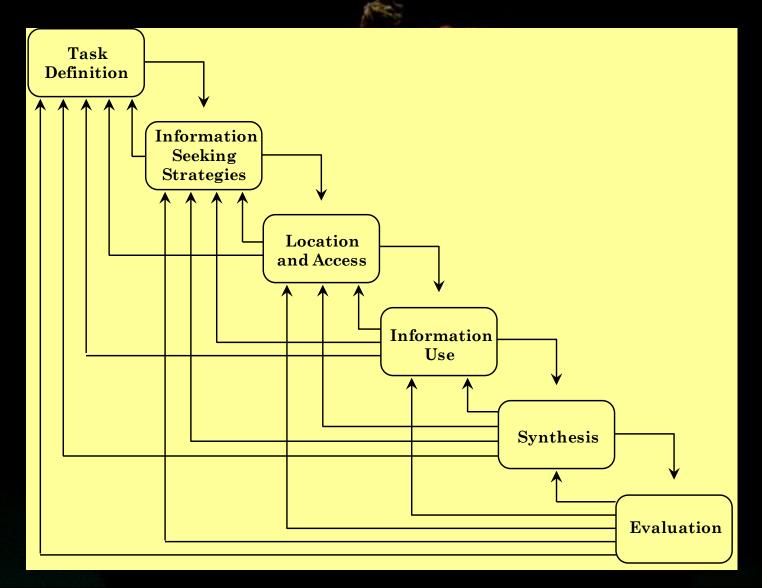
## **Technology in Context**

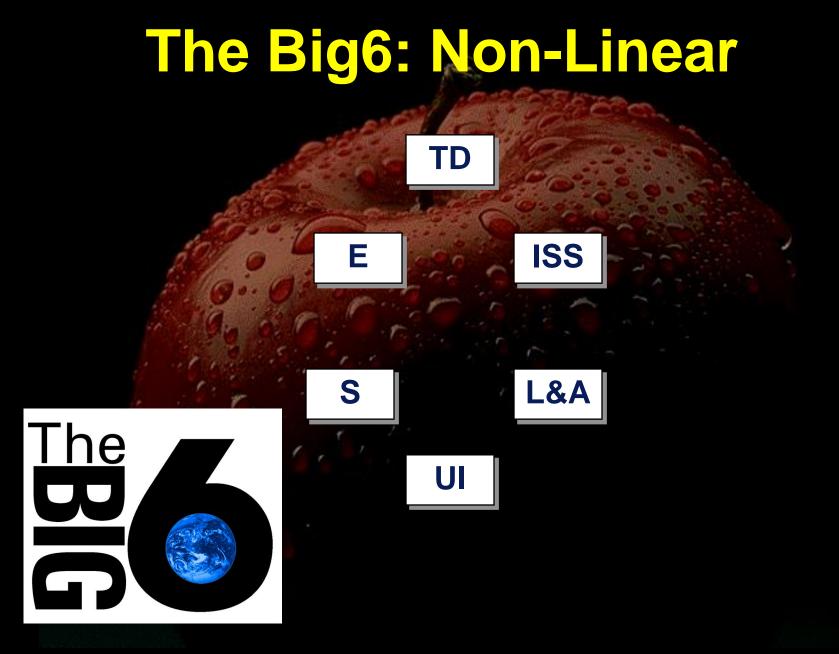
TASK DEFINITION	Students use e-mail, listservs, newsgroups, chat, videoconferencing, and other online communication methods to clarify assignments and brainstorm problems. Students may also use software to generate timelines, organizational charts, etc. to plan and organize complex problems
INFO SEEKING STRATEGIES	Students identify and assess computerized resources as they develop information seeking strategies toward their problem.
LOCATION & ACCESS	Students use online catalogs, searchable periodical indexes, electronic encyclopedias, Web search engines, and other online searching tools to locate useful information.
USE OF INFORMATION	Students connect to and access online or locally stored electronic information sources, view, download, and decompress files, and use copy-and-paste features to extract relevant information.
SYNTHESIS	Students organize and communicate their results using word processing, database management, spreadsheet and graphics software, and distribute their projects via e-mail, Web publishing, or other media.
EVALUATION	Students evaluate the impact of the technology they used, including its effectiveness and efficiency

## 4. Using the Big6 is not always a linear, step-by-step process.



## The Big6: Not Linear







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## 5. The Big6 process is necessary and sufficient for solving problems and completing tasks.

#### **1. Task Definition**

#### 2. Info Seeking Strategies

#### **3. Location & Access**

#### 4. Use of Information

The 5

#### 5. Synthesis

#### **1. Task Definition**

#### 2. Info Seeking Strategies

#### **3. Location & Access**



#### . Use of Information

5. Synthesis

#### **1. Task Definition**

#### 2. Info Seeking Strategies

#### 3. Location & Access

#### 4. Use of Information

The 5

#### 5. Synthesis

#### **1. Task Definition**

#### 2. Info Seeking Strategies

#### 3. Location & Access

# The 5

#### 4. Use of Information

#### 5. Synthesis

#### **1. Task Definition**

#### 2. Info Seeking Strategies

#### 3. Location & Access

#### 4. Use of Information

The 5

#### **5. Synthesis**

#### **1. Task Definition**

#### 2. Info Seeking Strategies

#### 3. Location & Access

#### 4. Use of Information

The 5

#### 5. Synthesis

#### **1. Task Definition**

#### 2. Info Seeking Strategies

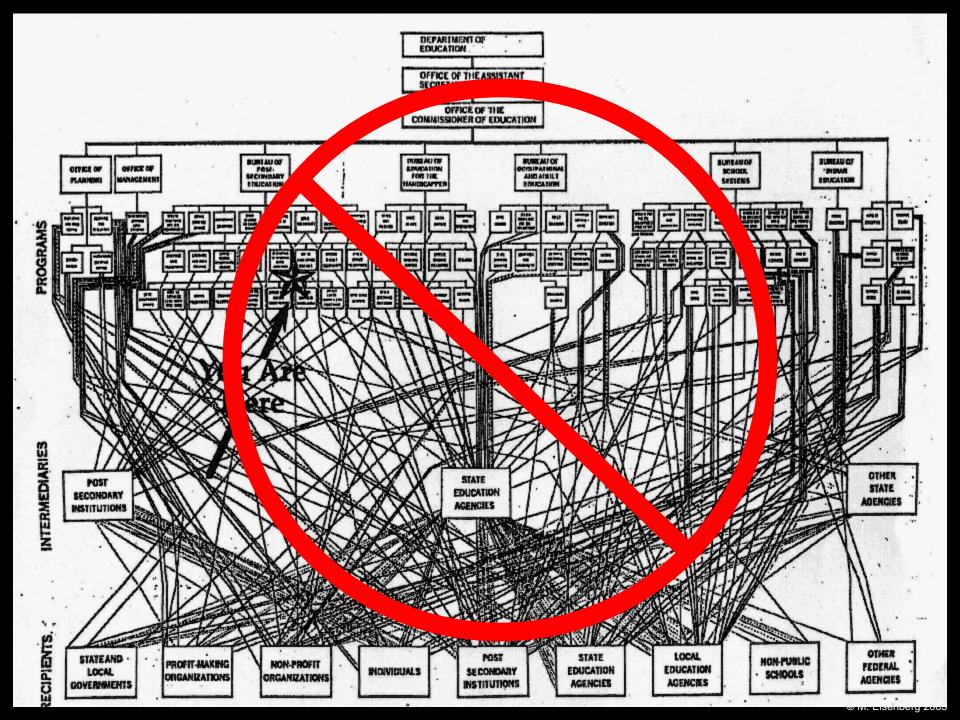
#### Location & Access

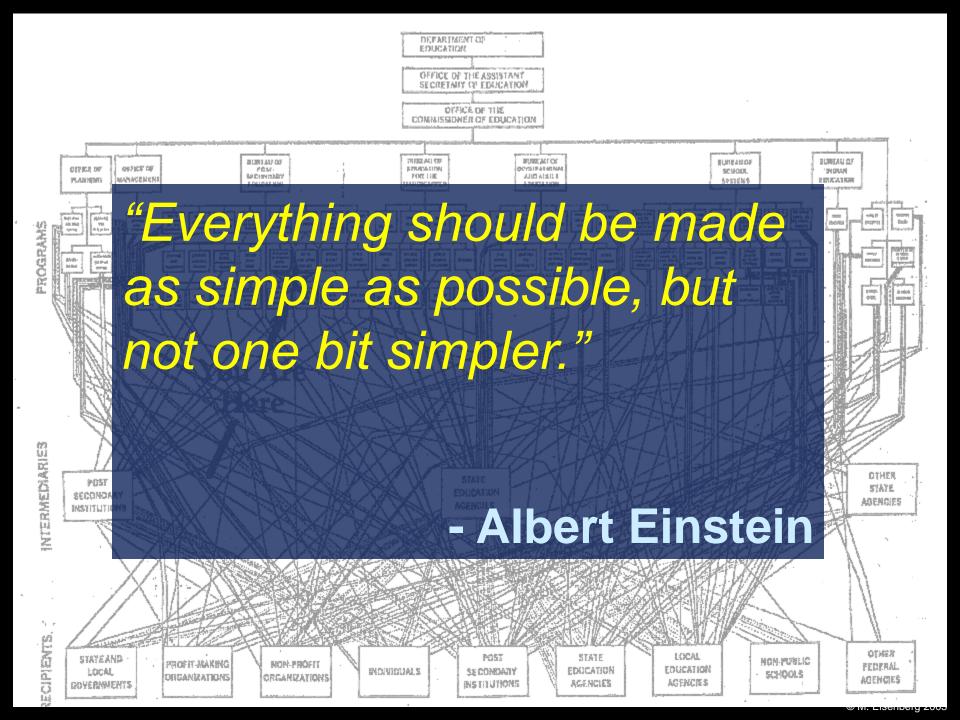
#### 4. Use of Information

The 5

#### 5. Synthesis

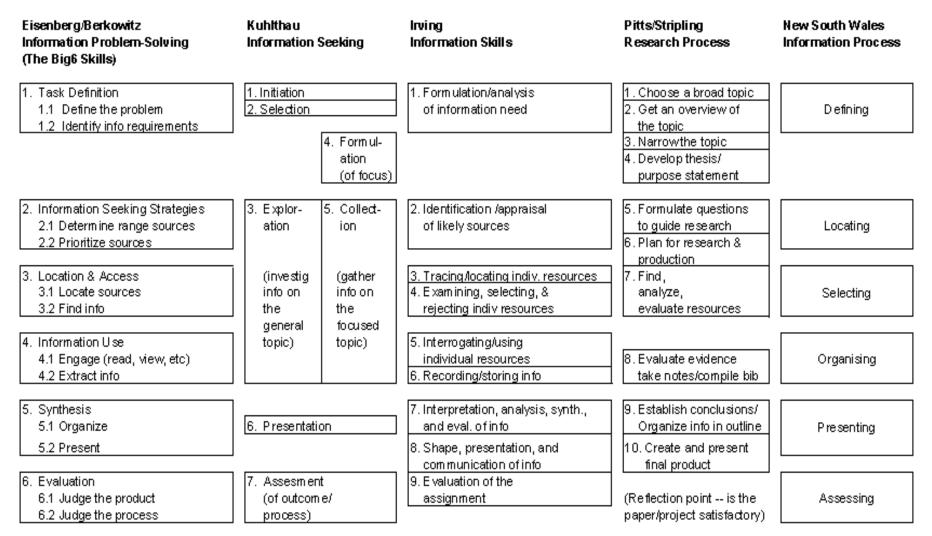
## 6. The Big6 appears simple, but is multi-layered and powerful.





## **Information Literacy Models**

#### **Comparison of Information Skills Process Models**



#### Eisenberg (1997) www.big6.com/comparison\_chart.gif