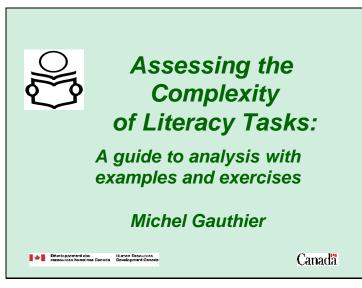


Plain Language Association International (PLAIN) Fourth Biennial Conference Proceedings Toronto, Canada — September 26 - 29, 2002

AT THE HEART OF COMMUNICATION across disciplines and around the world



# SLIDE SHOW

# Table of Contents

Background

Guide content

What is literacy?

Literacy levels and distribution of Canadians aged 16 and over

Why measure the complexity of literacy tasks?

- Measuring the gap between cognitive demands and readers' cognitive ability level
- Average probability of responding correctly (RP80)
- \_ Benefits
- \_ Limits
- \_ What makes literacy tasks complex
- \_ Type of information
- \_ Type of match
- Locating
- \_ Cycling
- \_ Integrating
- \_ Generating
- Factors influencing the "type of match"
- Plausibility of distractors
- \_ Rating the type of operation
- \_ Factors of complexity for operational specificity

#### **Rating Guide**

Achievement

Beyond simple words

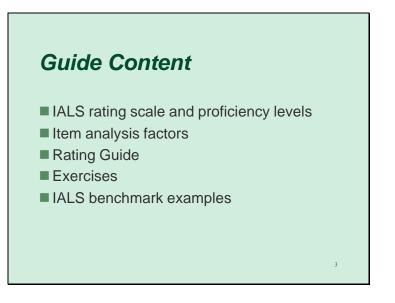
Conclusion

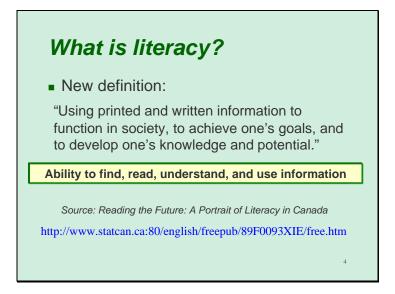
**Useful references** 

Getting a copy and providing feedback

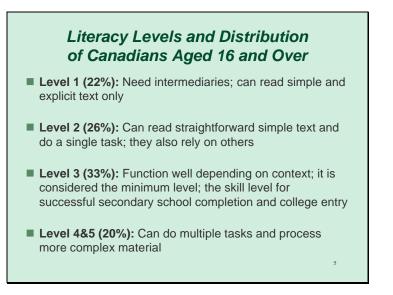
### Background

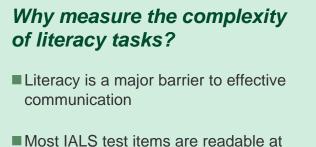
- International Adult Literacy Survey (IALS), Statistics Canada 1995 - 2000
- Experimental model adapted and designed by Julian Evetts from source documents written by Irwin Kirsch and Peter Mosenthal (Kirsch and Mosenthal Properties)
  - model accounts for 85% of the variance of the test scores on IALS





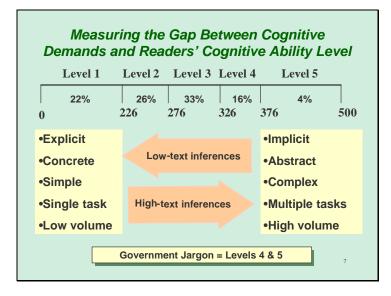
**Literacy is no longer measured in terms of an individual being literate or illiterate**. The IALS is not about whether people can read a sentence. Instead, it is first of all about what adults can measurably **do** with text as a result of the sum total of their formal schooling, their formal and informal training, and their application of reading practices and behaviors in daily life.





- grade 8 reading level
- Plain language is not enough

Slide 7

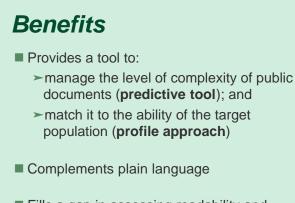


Destisioner	· ·	RP 80)		-
Proficiency level	1	2	3	4
People's Scores	200 (0-225)	250 (226-275)	300 (276-325)	350 (326-375)
Task Complexity		9	6	
<u>↓</u>	70	0.4	00	400
1	72	94	99	100
2	50	82	95	99
3	20	49	79	94
4	12	31	60	83
5	1	3	13	41

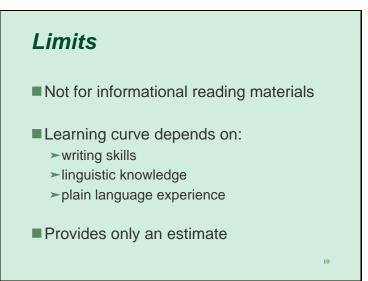
The IALS has developed a method of measuring the probability of successfully completing literacy tasks.

To get a level four, you would have to consistently perform level four tasks correctly 80% of the time. This means that individuals who have achieved a particular literacy level will consistently perform tasks at their level with an 80% probability of success. It also means they will have a greater than 80% chance of successfully performing lower level tasks. It does not mean, however, that individuals with low proficiency can never succeed at more difficult tasks. They may do so some of the time but their probability of success is relatively low. In other words, the more difficult a task relative to a proficiency level, the lower the likelihood of a correct response.

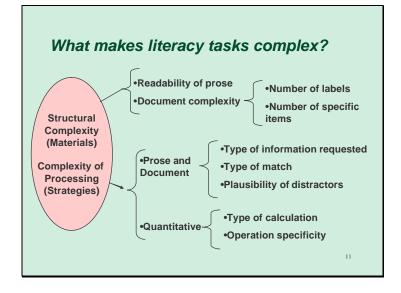
The above chart shows the probability of individuals with different literacy levels consistently responding correctly to tasks with various degrees of difficulty. For example, an individual with a proficiency score of 200 at level 1 on the document scale would only have a 20% chance of understanding and completing level 3 tasks and only a 12% chance of successfully understanding and completing level 4 tasks. On the other hand, a person performing at level 4 is expected to be able to perform level 1, 2, and 3 tasks with a high probability of success. However, the same person would only have 41% probability of successfully performing level 5 tasks.



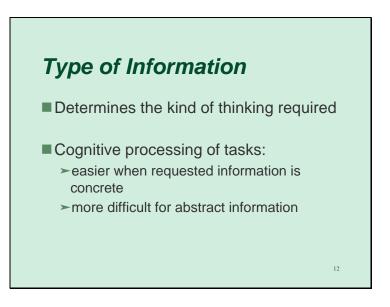
 Fills a gap in assessing readability and usability



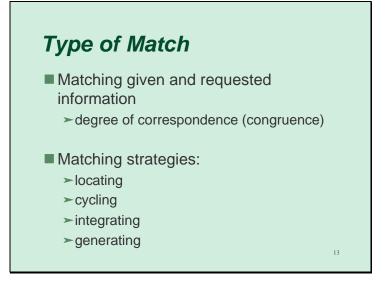
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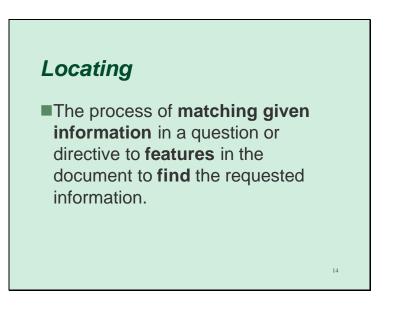


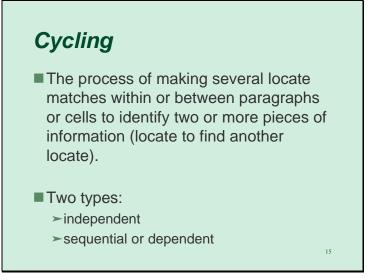
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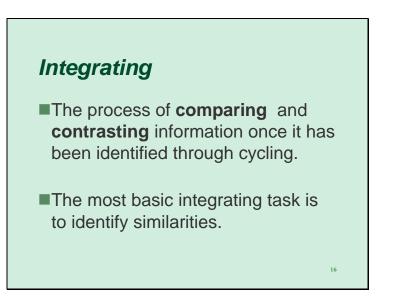


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#### Generating

- The process of using background knowledge to relate information in the question or directive to the text, or to select one plausible answer over another:
  - when there is no match (given to requested information)
  - ≻ coping without cues or clues

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#### Slide 18

# Factors influencing the "type of match" Number of phrases or features to search on and the meaning of these features Number of items in the response Inference needed to match given or requested information low text-based inference

- ➤ high text-based inference
- Plausibility of distracting information

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## Plausibility of distractors

- A "distractor" is when information in the text meets some, but not all, of the conditions specified in the question or directive to obtain the requested information:
  - ➤ "distractor" for the given information
  - ➤ "distractor" for the requested information
- Three complexity factors:
  - ≻ Number of shared conditions
  - ➤ Number of "distractors"
  - Proximity of "distractors"

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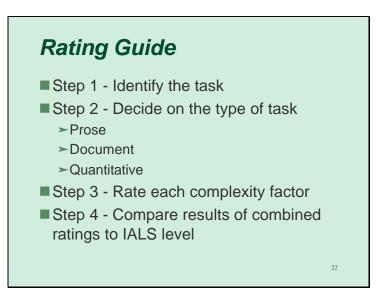
Rating	Type of Operation			
1	Single addition			
2	Single subtraction			
3	Single multiplication			
4	Single division			
5	Combination of two of more operations			

# Factors of complexity for operational specificity

- Obvious numbers
- Presentation (row, column, text, etc.)
- Math symbols
- Explicit terms (add, subtract, total, etc.)
- Implicit statements (calculate the difference, what amount, etc.)

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- Number of math operations
- Ratios
- Transformation of data



# **Achievement**

Guaranteed Income Supplement Application

70% take-up rate after simplifying the tasks (100,000 mailouts)

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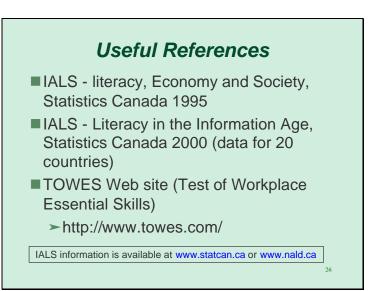
Slide 24

# <section-header><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item>

# **Conclusion**

- Don't ask yourself "Will the reader have difficulty reading this information?"
- Ask yourself "How complex is the task of getting this piece of information from this particular written source and can the reader take action?"

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# Getting a Copy and Providing Feedback

- Guide posted at http://www.ibd.ab.ca/Literacy-task.html
   For comments/suggestions, please com
- For comments/suggestions, please contact: Yvette Souque
   National Literacy Secretariat
   Human Resources Development Canada
   Tel.: (613) 946-1388
   Fax: (613) 946-5882
   E-Mail: yvette.souque@hrdc-drhc.gc.ca

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Plain Language: The International Pilgrimage

# **Michel Gauthier**

www.hrdc-drhc.gc.ca/common/home.shtml

Michel Gauthier managed client service programs for Revenue Canada from 1974 to 1999. In 1993, he received the top award from the Governor General of Canada for developing and implementing Revenue Canada's correspondence system. In 1999, he joined Human Resources Development Canada, where he is responsible for making the Income Security Program's communications easier to read. He has delivered more than 175 literacy and plain language presentations across Canada. He received the 2002 award for Staff Service Excellence in the field of plain language.