



2008-2009 Maryland Technology Inventory Data

Office of Instructional Technology

Three Technology Measurements

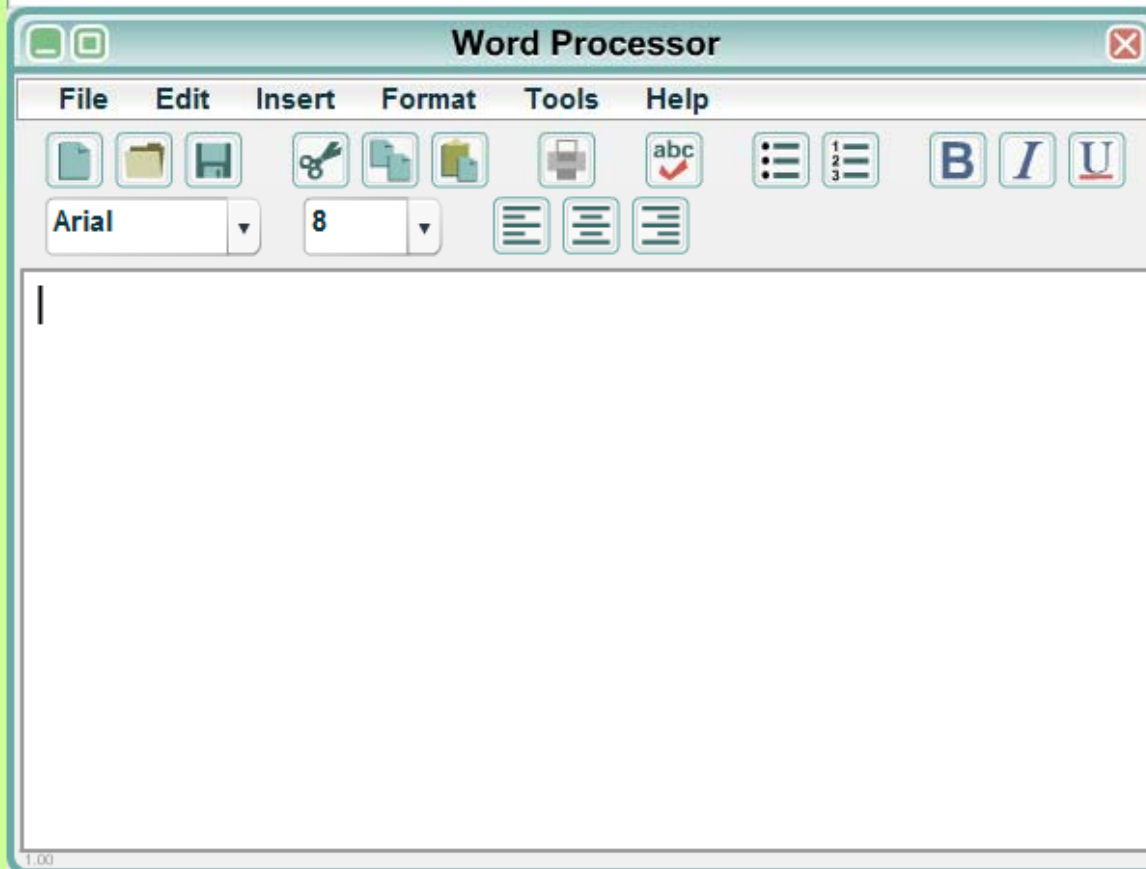
- Maryland Measure of Student Technology Literacy (MMSTL) seventh grade
- Maryland Teacher Technology Inventory
- Maryland Administrator Technology Inventory

Maryland Measure of Student Technology Literacy (MMSTL)

- Gauge overall technology literacy of MD students
- Supported by federally funded Title II-D grant comprised of all 24 local school systems and MSDE
- Web based delivery
- Learning.com vendor
- Multiple choice and interactive performance based items
- Assessing skill level based on the International Society for Technology in Education (ISTE) technology standards

Sample Performance Question

8. You're making a bike club poster. Insert the bitmap (.bmp) picture of the bike from the Desktop.



The screenshot shows a window titled "Word Processor" with a standard menu bar (File, Edit, Insert, Format, Tools, Help) and a toolbar containing icons for file operations, editing, and text formatting. The font is set to Arial and the size is 8. The main text area is empty with a cursor at the top left. The window has a small "1.00" label in the bottom left corner.

techliteracy
assessment

Students



Previous



Next

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20

Turn in Test

Exit 

1.1b

Maryland Measure of Student Technology Literacy (MMSTL) Results

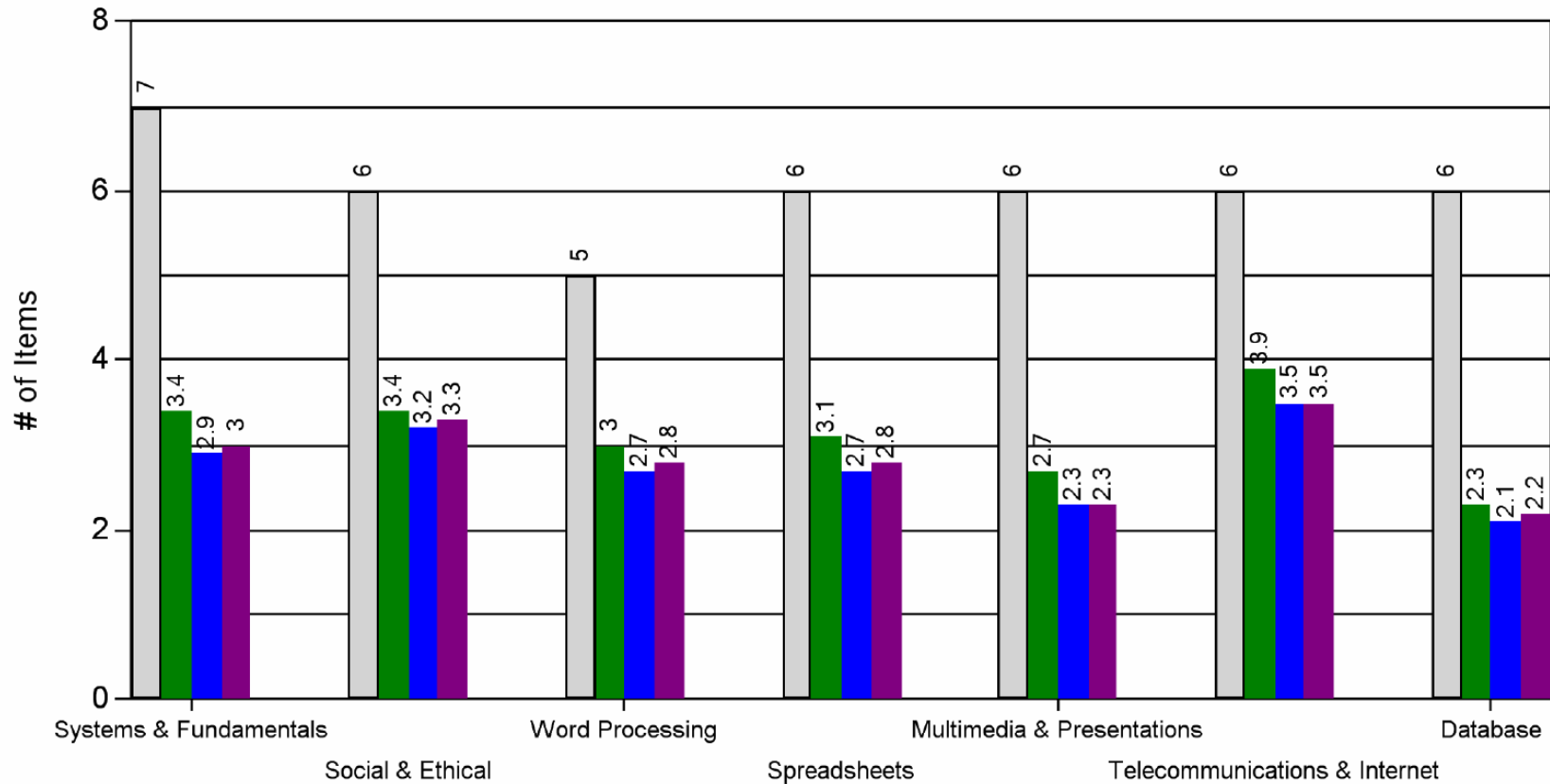
State Results

- **Fifty** percent of seventh graders are proficient

HCPS Results

- **Sixty-three** percent of seventh graders are proficient

MMSTL Skill Module Data



Maryland Teacher Technology Inventory

- Developed by local school district representatives in collaboration with MSDE via Title II-D grant
- Assist in determining technology knowledge base and skills based on Maryland Teacher Technology Standards
- Most appropriate response selected from short scenarios

Sample Teacher Inventory Question

Standard 3 - Legal, Social, and Ethical Issues

Question 6

A teacher wants the students to do research and complete a multimedia project using the Internet. Which of the following is a legal and/or ethical issue that the teacher should consider when planning this assignment?

- A. Copyright infringement regarding text and images found on the Internet
- B. Parent knowledge of assignments which require the use of the Internet
- C. Student awareness of rubric requirements and deadlines
- D. Reserving the computer lab for student access to the Internet

Rationale:

A is the correct response because when students are using the Internet, it is important that they are fully aware of copyright laws.

08-09 MD Teacher Technology Data

- Proficiency identified as at least 19 of the 30 questions correctly
 - by definition, teachers that achieve the established level of **proficiency** are those who use a variety of technology resources for **professional productivity** and **administrative purposes, implement technology integrated lessons, and use data to inform and differentiate instruction**

Maryland Teacher Technology Inventory Data

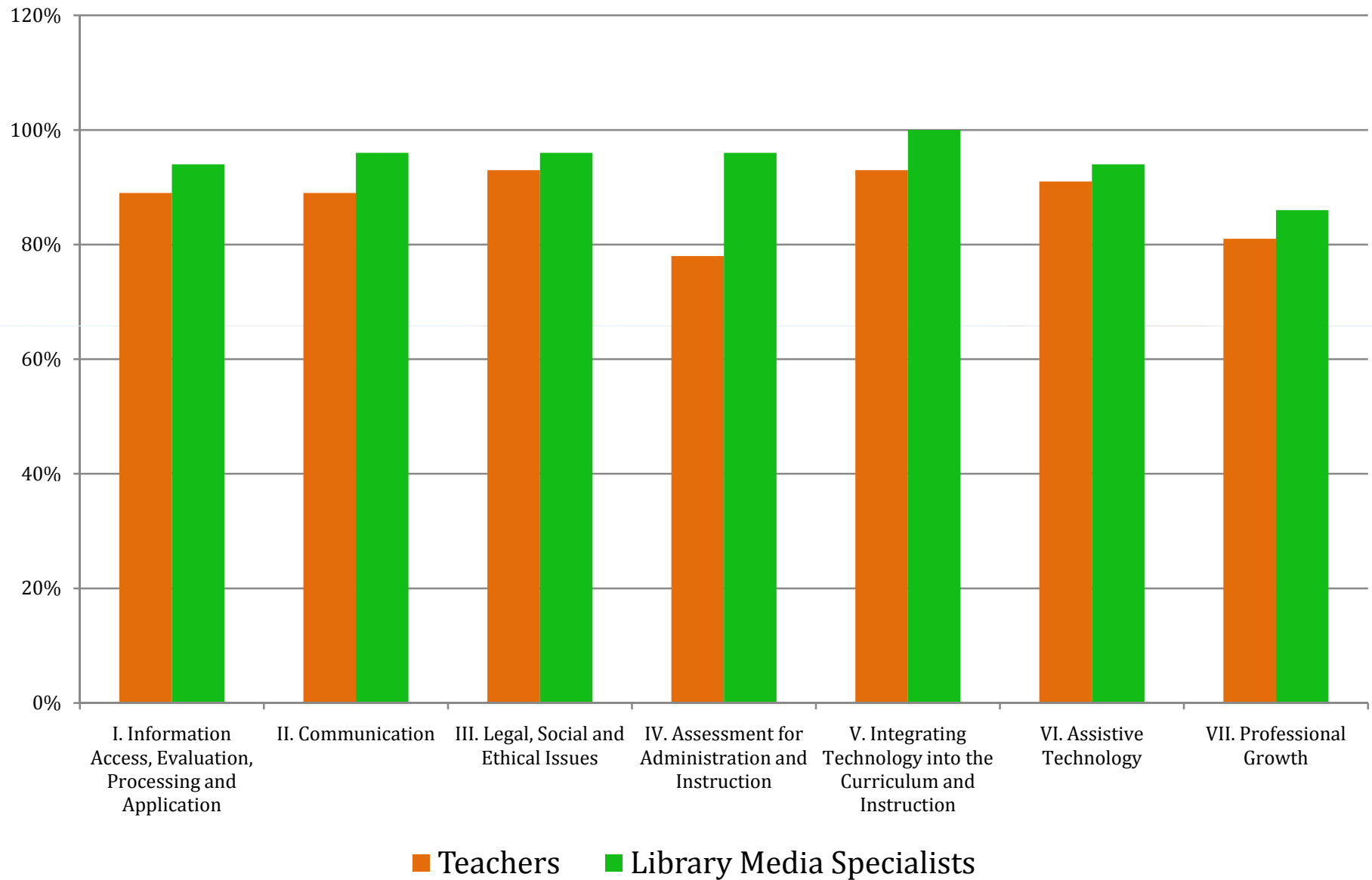
State Results

- **46%** response rate
- **89%** of Maryland teachers and **98%** of library media specialists were technology proficient

HCPS Results

- **62%** combined response rate
- **92%** teachers and **98%** of library media specialist were technology proficient

08-09 MD Teacher Technology Data



Maryland School Administrator Technology Inventory

- Questions based on Maryland Technology Standards for School Administrators
- **Self rating** tool to reflect on knowledge and practice and on leadership related to educational technology

Sample Administrator Question

Standard 3

DATA-DRIVEN DECISION MAKING - A school administrator uses technology to access and analyze multiple sources of data to make decisions affecting the development and implementation of the School Improvement Plan.

Indicator 3A - A school administrator uses technology to access and analyze multiple sources of data to make programmatic decisions about curriculum and instruction.

S3_A

How often do you use technology to access and analyze multiple sources of data to make programmatic decisions about curriculum and instruction?

4. Very frequently (weekly)

3. Frequently (monthly)

2. Occasionally (several times a year)

1. Rarely/Never

Maryland School Administrator Technology Inventory Data

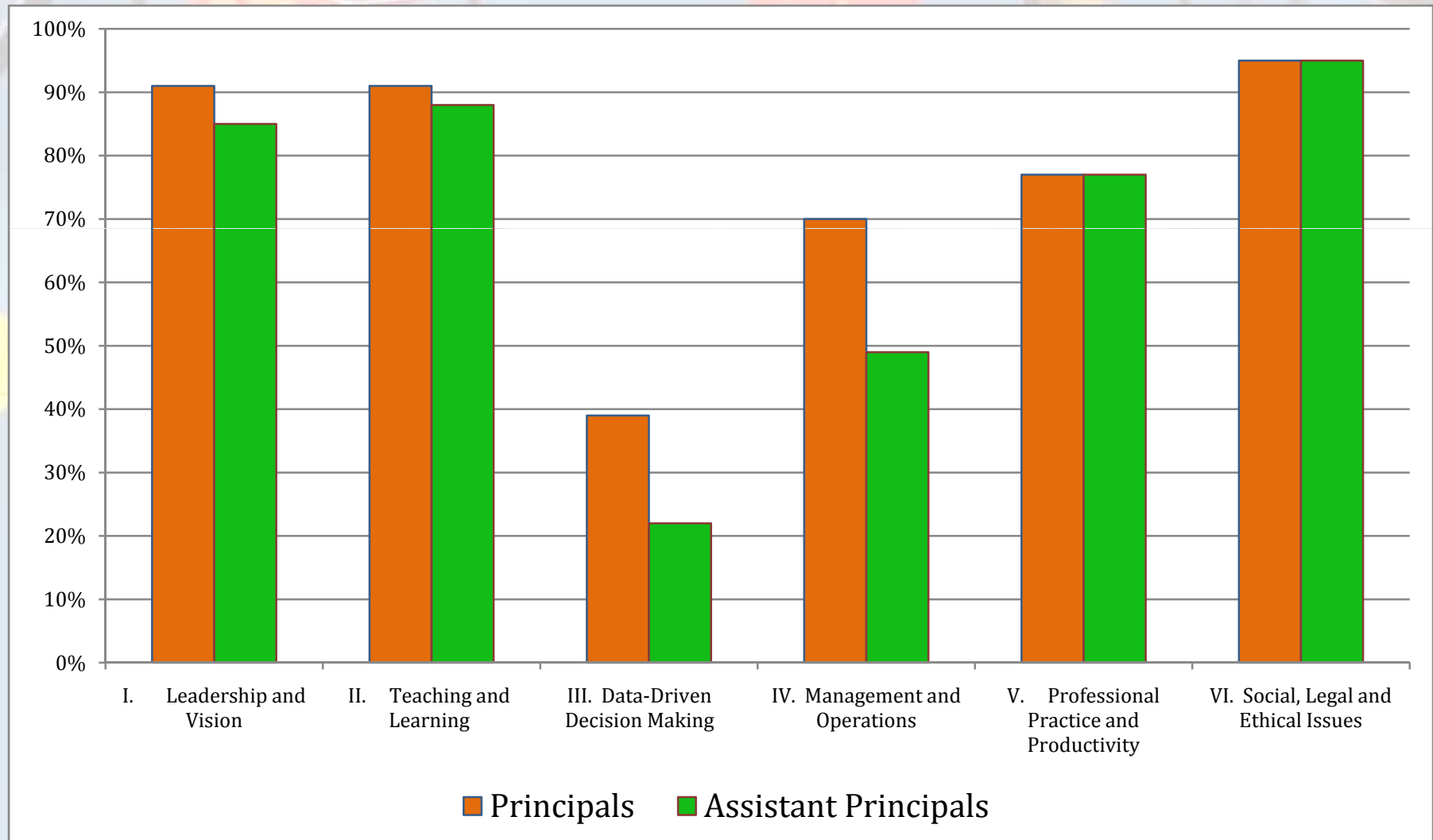
State Results

- **64%** response rate
- **84%** of Maryland Principals and **71%** of Assistant Principals were proficient

HCPS Results

- **79%** response rate
- **84%** of Principals and **71%** of Assistant Principals were proficient

Harford County Administrator Inventory Results by Standards



Reflection

- The MD Instructional Technology Advisory Council is assisting local systems in using results to improve teaching and learning
- Technology Liaisons
 - School based technology Professional Development
- Elementary Integration Tool
 - K-8 Technology Scope and Sequence
 - Pilot Status