

Computer/Technology Test

5 GRADE

Reporting Category: Basic Understanding of Computer/Technology

A. Standard of Learning: 5.1 The student will demonstrate a basic understanding of computer theory, including bits, bytes, and binary logic.

Builds To: Work with bits and bytes continues throughout the study of Computer/Technology.

- A**
- 1 Jennifer has a newly formatted floppy disk that holds 1.44 MB. Which file will *not* fit on this disk?
- A Amphibians 1.00 MB
 - B Birds 1.10 MB
 - C Fish 1.30 MB
 - D Reptiles 1.80 MB

Instruction: Provide students an opportunity to determine which file will not fit on a floppy disk given the capacity of both in MB.

Parent Tip A:

Have your child identify the capacity for a floppy disk that you see in a store or at home.

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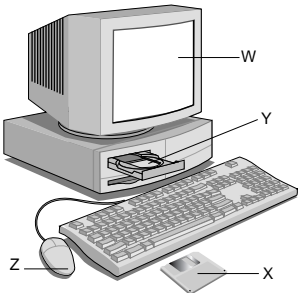
A. Standard of Learning: 5.2 The student will develop basic technology skills.

a) Develop a basic technology vocabulary that includes cursor, software, memory, disk drive, hard drive, and CD-ROM.

Builds To: Work with different functions of the computer continues throughout the study of Computer/Technology.

A

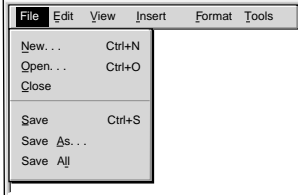
2



Which letter represents the place where the CD would be inserted?

F W H Y
G X J Z

3



What does Ctrl + S do?

A Setup the page
B Open a file
C Save the file
D Print

4 Which of the following may destroy information on a computer?

F Default
G Bacteria
H Back-up
J Virus

Parent Tip A:

Have your child identify elements of the computer as he/she works with it at home.

Instruction: Provide students an opportunity to identify where the CD is placed in the computer; provide students an opportunity to identify what a virus does to information on a computer; provide students an opportunity to use Ctrl+S to save a file on the computer.

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A. Standard of Learning: 5.3 The student will process, store, retrieve, and transmit electronic information.

d) Describe advantages and disadvantages of various computer processing, storage, retrieval, and transmission techniques.

Builds To: Work with retrieval of information continues throughout the study of Computer/Technology.

Reporting Category: Basic Operational Skills

B. Standard of Learning: 5.2 The student will develop basic technology skills.

b) Select and use technology appropriate to tasks.

Builds To: Work with computer applications and creating projects continues throughout the study of Computer/Technology.

A

5 If a student is unable to change the contents of a file, this means that the file is *most likely* —

- A saved
- B edited
- C locked
- D deleted

Instruction: Provide students an opportunity to try to work with a file that is locked.

B

6 Which technology helps a computer artist to create a design?

- F Word processing
- G Spreadsheet
- H Database
- J Graphics

7 Matt created a science project on his computer that included scanned pictures, sounds, and text. His teacher called it —

- A an electronic database
- B an Internet project
- C a multimedia project
- D a graphics project

8 Susan wants to conduct a survey and create graphs based on the results. Which is the *best* computer application to complete this job?

- F Database
- G Graphics
- H Spreadsheet
- J Word processing

9 Jenni's class is tracking a space voyage currently under way. Which would be the *best* source for up-to-date information?

- A The Internet
- B A digital camera
- C E-mail
- D An electronic encyclopedia

Instruction: Provide students an opportunity to determine what computer application to use to create a design and to create graphs based on survey results; to determine a source for tracking a space voyage; and to incorporate technology into a project.

Parent Tip A:

Have your child try to work with information stored in a locked file of the computer.

Parent Tip B:

Have your child use different computer applications for a variety of activities such as tracking an event and creating a design or project.

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A. Standard of Learning: 5.2 The student will develop basic technology skills.

d) Operate peripheral devices.

Builds To: Work with the peripheral devices of the computer, such as the speakers, continues throughout the study of Computer/Technology.

B. Standard of Learning: 5.3 The student will process, store, retrieve, and transmit electronic information.

a) Use search strategies to retrieve electronic information using databases, CD-ROMs, videodiscs, and telecommunications.

Builds To: Work with search strategies continues throughout the study of Computer/Technology.

A

10 Which one of the following devices is needed to hear multimedia software?

- F Video card
- G Modem
- H Speakers
- J Microphone

Instruction: Provide students an opportunity to use the speakers on the computer.

B

11 When using an electronic encyclopedia, what is one of the easiest ways to find information about "apples"?

- A Use the keyword "apple"
- B Go to the letter "A"
- C Look up "trees with fruit"
- D Search for "Johnny Appleseed"

12 Carlos is writing a history report about Sequoia, the American Indian leader who invented the Cherokee alphabet. Which words would produce the *best* results from the search engine?

- F Sequoia + Cherokee
- G alphabet + language
- H American + Indian
- J history + leader

13 When trying to locate specific information about a topic on the Internet, which of the following would you use?

- A Graphing software
- B A search engine
- C Word processing software
- D A database

Instruction: Provide students an opportunity to set up a search for information in an electronic encyclopedia, and by using a search engine

Parent Tip A:

Have your child adjust the volume of the computer by using the speakers.

Parent Tip B:

Have your child plan a search that can be done through the use of electronic information retrieval.

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A. Standard of Learning: 5.3 The student will process, store, retrieve, and transmit electronic information.

b) Use electronic encyclopedias, almanacs, indexes, and catalogs.

Builds To: Work with electronic catalogs continues throughout the study of Computer/Technology.

B. Standard of Learning: 5.3 The student will process, store, retrieve, and transmit electronic information.

c) Use local and wide-area networks and modem-delivered services to access information from electronic databases.

Builds To: Work with accessing information through the wide-area network continues throughout the study of Computer/Technology.

A

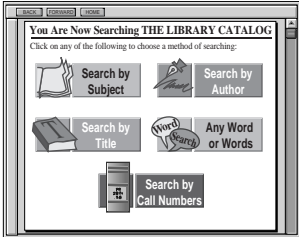
14 Karen's cousin told her about a good book written by Laura Ingalls Wilder, but she forgot the title. When Karen goes to the library, how should she search the online library catalog to find books by Laura Ingalls Wilder?

F By title
G By subject
H By author
J By call number

15 An electronic library catalog usually contains —

A pictures
B prices and order forms
C links to the Internet
D a complete list of all the books in the library

16



To do research on sailboats, which button would find the *greatest* number of results?

F Search by subject
G Search by title
H Search by author
J Search by call number

Instruction: Provide students an opportunity to access information through an electronic library catalog.

B

17 Shantel is searching the Internet for information on World War II German airplanes. Which entry should she type?

A World War II
B Airplanes and war
C World War II and airplanes
D German airlines

Instruction: Provide students an opportunity to determine what to enter for a search on the Internet.

Parent Tip A:

Have your child use the electronic catalog at the library to find information by author and by subject.

Parent Tip B:

Have your child write down the words he/she would use for a specific search on the Internet.

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A. Standard of Learning: 5.4 The student will communicate through application software.

- a) Create a 1-2 page document using word processing skills, writing process steps, and publishing programs.

Builds To: Work with word processing skills continues throughout the study of Computer/Technology.

Reporting Category: Using Technology to Solve Problems

B. Standard of Learning: 5.2 The student will develop basic technology skills.

- e) Apply technologies to strategies for problem solving and critical thinking.

Builds To: Work with using technology to assist in problem solving continues throughout the study of Computer/Technology.

A

18 Sarah is typing the following letter:
Dear Mr. Price,

Thank you VERY much for the birthday present. I will enjoy reading the magazine each month.

Which of these has been selected?

F VERY

G reading

H birthday

J magazine

19 Stacey wants to move the first sentence of a paragraph to the bottom of the paragraph. After she selects the sentence, what should she do?

A Delete and Paste
B Delete
C Cut and Paste
D Replace

20 Kenny typed a report that he titled "Birds of Prey." If he wants to print his report, which pull-down menu should he choose?

F Edit
G Insert
H Format
J File

Instruction: Provide students an opportunity to move text within a document, use a pull-down menu to print a document, and select a word by highlighting the word in a document.

B

21 Kate is moving. In what way can she get immediate information about her new city?

A Make a sign using a desktop publishing application
B Look up her new city on websites on the Internet
C Send a fax to a travel agency in the new city
D E-mail the principal of the new school

22 Dan has been assigned a current events project about recycling. He cannot find any information in the local newspaper. Which one of the following would be the best solution to his problem?

F Publish a school newspaper
G Find some shareware
H Use an online news source
J Use an electronic encyclopedia

Instruction: Provide students with problem situations, such as finding information about a new location or information for a current events project, and have them determine how to use technology to assist them.

Parent Tip A:

Have your child write a document on the computer, move text within the document, and print the document using the pull-down menu.

Parent Tip B:

Have your child discuss how technology increases access to information that can be helpful for problem solving.

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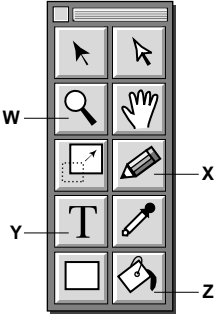
A. Standard of Learning: 5.4 The student will communicate through application software.

b) Use simple computer graphics and integrate graphics into word-processed documents.

Builds To: Work with graphics continues throughout the study of Computer/Technology.

A

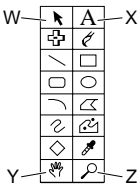
23



Kelly's picture has a large rectangle, but only the border shows. She wants it to be filled in with color. Which button should she use?

A W
B X
C Y
D Z

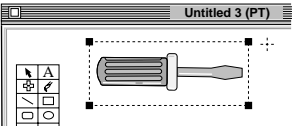
24



Adam is using a graphic in a paint program. Which tool will allow him to put text under the graphic?

F W
G X
H Y
J Z

25



In order to use the screwdriver graphic, Marilyn needs to slant it upward before adding it to her report. Which command would be *best* to use?

A Reshape
B Rotate
C Move forward
D Align to grid

Parent Tip A:

Have your child demonstrate how to work with graphics in word processing.

Instruction: Provide students an opportunity to fill an object with color, tilt a graphic, and insert text under a graphic.

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A. Standard of Learning: 5.4 The student will communicate through application software.

c) Create simple databases and spreadsheets to manage information and create reports.

Builds To: Work with databases and spreadsheets continues throughout the study of Computer/Technology.

B. Standard of Learning: 5.4 The student will communicate through application software.

d) Use local and worldwide network communication systems.

Builds To: Work with the worldwide network continues throughout the study of Computer/Technology.

A

26 First Name, Last Name, and Date of Birth of students in Jefferson Middle School are types of information that may be found in which of the following applications?

F Clip art
G Scanning
H Graphics
J Database

27

Jefferson Elementary School					
	A	B	C	D	E
1					
2		Total	Boys	Girls	
3	1st Grade	123	69	54	
4	2nd Grade	143	72	71	
5	3rd Grade	135	60	75	
6	4th Grade	159	76	83	
7	5th Grade	165	82		
8					

To calculate the total number of boys in the third, fourth, and fifth grade, Mrs. Jackson needs to —

A Subtract C7 from B7
B Add D5 and D6
C Add C5 through C7
D Add B5 through C7

Instruction: Provide students with an opportunity to work with a simple database and to do calculations with a spreadsheet.

B

28 Sandra wants to return to the starting page of her Internet connection. Which command should she use?

F Open
G Find
H Home
J Print

29 Mary wants to save a website address so she can find it again easily in the future. What could she do?

A Bookmark the site
B Highlight the site
C Scroll to the bottom of the site
D Link to another part of the site

30 Sandy did research on the Internet for her science report. If she wants to quote a paragraph from the information she found on the Internet in her paper, she —

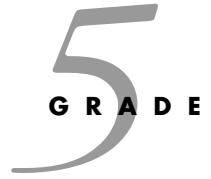
F can state the facts as her own
G should look for a book to confirm the information
H does not need to explain her source of information
J should tell where the facts came from

Instruction: Provide students an opportunity to Bookmark a website address, to use the Home key while using the Internet, and to give credit for information taken from a website.

Parent Tip A:
Have your child explain what a database can be used for and how calculations can be made with a spreadsheet.

Parent Tip B:
Have your child discuss the use of the Internet for gathering information.

Correct Answers



ENGLISH: *Reading/Literature and Research Test*

1. B 2. J 3. C 4. H 5. D 6. H 7. B 8. J 9. A 10. G
 11. A 12. J 13. D 14. G 15. C 16. F 17. D 18. J 19. C
 20. F 21. B 22. J 23. C 24. F 25. B 26. H 27. D 28. J
 29. A 30. H 31. B 32. G 33. C 34. J 35. A 36. G 37. C
 38. H 39. A 40. F 41. B 42. J

ENGLISH: *Writing Test*

1. B 2. H 3. C 4. J 5. B 6. F 7. C 8. J 9. C 10. J 11. B
 12. J 13. B 14. H 15. C 16. F 17. A 18. G 19. A 20. G

MATHEMATICS TEST

1. D 2. G 3. B 4. G 5. A 6. J 7. C 8. H 9. D 10. J
 11. B 12. H 13. B 14. F 15. D 16. H 17. B 18. H 19. C
 20. G 21. C 22. H 23. B 24. F 25. D 26. F 27. B 28. H
 29. C 30. G 31. A 32. H 33. D 34. G 35. B 36. J 37. C
 38. H 39. D 40. H 41. B 42. G 43. B 44. J 45. B 46. G
 47. C 48. G 49. C 50. J

SCIENCE TEST

1. A 2. G 3. B 4. H 5. B 6. J 7. D 8. F 9. B 10. G
 11. B 12. H 13. B 14. F 15. B 16. H 17. A 18. G 19. A
 20. H 21. A 22. H 23. C 24. J 25. B 26. F 27. A 28. G
 29. C 30. G 31. B 32. F 33. A 34. H 35. C 36. G 37. A
 38. H 39. C 40. G

COMPUTER/TECHNOLOGY TEST

1. D 2. H 3. C 4. J 5. C 6. J 7. C 8. H 9. A 10. H
 11. A 12. F 13. B 14. H 15. D 16. F 17. C 18. H 19. C
 20. J 21. B 22. H 23. D 24. G 25. B 26. J 27. C 28. H
 29. A 30.

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