

Career and Technical Education Phase IV Learning-in-Place Plan IT Fundamentals

HIGH SCHOOL

Learning-in-Place Period	Student Activity
May 18-21, 2020	<p style="text-align: center;">Below are weekly items to be completed by students for review and introduction of new material. All activities will be expanded upon by the teacher during virtual sessions or other methods. Please contact your teacher or school directly for any needed assistance with accessing the sessions or content.</p>
May 22-27, 2020 (May 23-24: Weekend)	<p>Coding: Define, in your own words Binary Bit Binary Questions Binary Message _____ bits = 1 byte 0 and 1</p> <p>Convert numbers (decimals) to binary representations 22 = _____ in binary; 19 = _____ in binary 16 = _____ in binary; 13 = _____ in binary 11 = _____ in binary; 10 = _____ in binary</p> <p>Convert binary representations to numbers (decimals). 10101 = _____ as a number; 11000 = _____ as a number 11011 = _____ as a number; 11110 = _____ as a number</p>
May 28- 29, 2020 (May 30-31: Weekend)	<p>Cyber Security: Define, in your own words Cyber Worms Viruses Hackers Malware Trojan Horses Password Cracking</p>
June 1-2, 2020	<p>Web Design: Define, in your own words HTTP is an acronym for HTML is an acronym for URL is an acronym for HTML Tag Storyboard HTML Element Data Mining</p>
June 3-5, 2020	Complete Post-Test: See attached

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Post-Test: Name: _____

Part 1: Directions: Select 2 of the 5 questions. Answer & justify in at least 5 complete sentences.

- Question 1: Is all the information on the Internet truthful? Why or Why not.
- Question 2: What type of information do you think social-networking sites (Facebook, Twitter, Snapchat, etc.) sites deem important? Why?
- Question 3: How do Facebook, Twitter, Snapchat, etc. frame the communication experience?
- Question 4: What different information about a person would you get if you were meeting with them in person vs a social-networking site?
- Question 5: Why is it vital to learn proper netiquette?

Part 2: Directions: Multiple Choice: Select the best answer.

- Convert the binary representation to a number. Binary Code: 11011 = _____. A. 16 B. 27 C. 8 D. 24
- Convert the binary representations to numbers. Binary Code 10101 = _____. A. 16 B. 5 C. 21 D. 24
- What is Referred to as source pages?
A. Indexing B. Cache C. Text D. Web
- An image composed of words used in a particular text or subject is called a _____.
A. Cache B. Information C. Star D. Cloud
- Crawling is the process of systematically going from web page to web page via the web links on what page to seek out new content.
A. True B. False
- Criteria = According to it, search engine examines its index and does not provide a listing of best-matching web pages.
A. True B. False
- Cyberspace = One of the most widely used methods for navigating. A. True B. False
- Evaluate = To rate something, such as a web site.
A. True B. False
- Indexing = Pulling out specific _____ to categorize.
A. Images B. keywords C. Numbers
D. Images, Keywords or Numbers
- _____ = Indexing relies heavily on them.
A. Images B. keywords C. Pictures D. URL's
- Road Map = Cyberspace is like having a guide book and this book all-in-one. A. True B. False
- Searching is when a Search engine examines its index, based on input, a listing of best-matching web pages according to criteria is NOT provided.
A. True B. False

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Post-Test: Continued

- _____ is an automated Web browser which follows every link on the site.
A. Hare B. Turtle C. Spider
- Web search engines work by _____ information.
A. Crawling B. Storing C. Indexing D. Evaluating
- URL is known as indexing. A. True B. False
- _____: To files and web pages that web crawls look for
A. Caches B. URL's C. Updates D. Spiders
- _____ = Used to describe anything which can only be in 2 possible states
A. Binary B. Binary Message
C. Binary Question D. Bit
- A _____ can only has 2 possible answers.
A. Binary B. Binary Message
C. Binary Question D. Bit
- A _____ is a binary digit.
A. Bit B. Cycle C. Heading D. Tree
- _____ = 1 Byte. A. 2 B. 4 C. 6 D. 8
- _____ = Used to describe anything which can only be in 2 possible states
A. Binary B. Binary Message C. Binary Question D. Bit
- A _____ can only has 2 possible answers.
A. Binary B. Binary Message C. Binary Question D. Bit
- A _____ is a binary digit.
A. Bit B. Cycle C. Heading D. Tree
- _____ = 1 Byte. A. 2 B. 4 C. 6 D. 8
- The number one represents a binary card that is showing. A. True B. False
- Binary numbers are read Left to Right.
A. True B. False
- Zero = Represents a binary card that is showing.
A. True B. False

- _____: 2 step process to prevent others from gaining access to your email account.
A. Etiquette B. Authentication
C. Netiquette D. Ethics
- The Internet is forever. A. True B. False
- Headings = Another word for graphics.
A. True B. False
- Convert the number to a binary representation. 22 = _____ in binary. A. 11111 B. 10110 C. 11010 D. 00000
- Convert the number to a binary representation. 16 = _____ in binary.
A. 10000 B. 01000 C. 01111
- Convert the number to a binary representation. 3 = _____ in binary. A. 00011 B. 00101 C. 01010 D. 10000
- Binary numbers are read Right to Left. A. True B. False
- Data is known as Raw material OR The numbers that computers work with. A. True B. False
- Hyperlink is the part of a web page that has a URL attached so that clicking it opens another document.
A. True B. False
- _____: Each element has a start tag <html> and this tag </html>.
A. End B. Middle C. Default
- _____: Defines HTML pictures
A. Headings B. Images C. Endings D. Storyboards
- _____: Proper online etiquette
A. Avatar B. Etiquette C. Netiquette D. Persona
- _____: Refers to behaviors and actions in the Cyberworld.
A. Avatar B. Etiquette C. Netiquette D. Persona
- _____: An image and personality that you show to others
A. Avatar B. Etiquette C. Netiquette D. Persona
- _____: To depict yourself to others as being a certain way or having particular characteristics
A. Netiquette B. Etiquette C. Represent D. Ethics