NAF Principles of Information Technology

Lesson 1

Course Introduction

Student Resources

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Student Resource 1.1

Anticipation Guide: Principles of IT

Student Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_

Welcome to the NAFPrinciples of Information Technologycourse!Over the next few months, you’ll learn a great deal about computers and their history, the systems that allow them to operate, the software applications used on them, and the Internet, which links together hundreds of millions of computers all over the planet. You’ll also learn about issues such as Internet security and privacy, when and how to upgrade computers and software, and the ways that information technology (IT) affects people’s lives.

This is a hands-on course. That means that you’ll have lots of opportunities to practice what you learn, including using software applications and trying your hand at programming. You’ll have a chance to look inside computers and see how they work. You’ll also get to meet a number of professionals in the field, offering you a great opportunity to find out more about IT careers you might be interested in pursuing.

Directions: For each of the statements below, underline “I agree” if you think the statement is accurate and “I disagree” if you disagree with it. Write one reason to explain your guess.

|  |
| --- |
| If someone knows how to check email and surf the web, they are pretty much computer literate. |
| My guess: |  I agree I disagree |
| My reason: |  |
| I learned: |  |
| All desktop computer systems are basically alike on the inside. |
| My guess: |  I agree I disagree |
| My reason: |  |
| I learned: |  |
| Peer-to-peer networks are a great way to share all kinds of files. |
| My guess: |  I agree I disagree |
| My reason: |  |
| I learned: |  |

|  |
| --- |
| Open source software is the wave of the future. Soon, it won’t matter what kind of machine a person has, because everything will be translatable from one operating system to another. |
| My guess: |  I agree I disagree |
| My reason: |  |
| I learned: |  |
| Java is the best programming language to learn first, because it is cross-platform and very popular for website and app development. |
| My guess: |  I agree I disagree |
| My reason: |  |
| I learned: |  |
| Most people across the globe have similar access to technology and information. |
| My guess: |  I agree I disagree |
| My reason: |  |
| I learned: |  |
| The best IT jobs are in Silicon Valley tech companies like Apple, Google, and Facebook. |
| My guess: |  I agree I disagree |
| My reason: |  |
| I learned: |  |
| Now that tablet computers and smartphones are so common, laptops and desktop computers will be phased out. |
| My guess: |  I agree I disagree |
| My reason: |  |
| I learned: |  |

Student Resource 1.2

Example: Alphabetical Taxonomy

A taxonomy is a list of related terms that have been put into categories. You will develop taxonomies in this course to build vocabulary and to see the relationships among important words. Your taxonomies will also be helpful tools for the writing and reading assignments you receive. Below is a taxonomy for the topic of colors, in which the terms have been categorized alphabetically.

Can you think of any others? Go ahead and add them into the correct category.

|  |  |
| --- | --- |
| **A** | aquamarine, amber, azure |
| **B** | black, brown, beige, bronze, burgundy |
| **C** | cobalt, chartreuse, cream, crimson |
| **D** | denim |
| **E** | ecru, emerald |
| **F** | fuchsia |
| **G** | gold, gray |
| **H** | henna |
| **I** | indigo, ivory |
| **J** | jade |
| **K** | khaki |
| **L** | lavender, lilac |
| **M** | magenta, mauve |
| **N** | navy blue |
| **O** | ochre, olive |
| **P** | pink, periwinkle  |
| **Q** |  |
| **R** | red, rust |
| **S** | scarlet, silver |
| **T** | teal, tan, terra-cotta |
| **U** | ultramarine |
| **V** | violet, vermilion |
| **W** | white |
| **X** |  |
| **Y** | yellow |
| **Z** |  |

Student Resource 1.3

Taxonomy: Information Technology Terms

Student Name: Date:

Think of terms related to information technology. Write them on this list in alphabetical order.

|  |  |
| --- | --- |
| A |  |
| B |  |
| C |  |
| D |  |
| E |  |
| F |  |
| G |  |
| H |  |
| I |  |
| J |  |
| K |  |
| L |  |
| M |  |
| N |  |
| O |  |
| P |  |
| Q |  |
| R |  |
| S |  |
| T |  |
| U |  |
| V |  |
| W |  |
| X |  |
| Y |  |
| Z |  |