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| **Analyze & Interpret: tutoring information technology: Microsoft Office Access** |
| Learning Outcome 1Students will analyze and interpret **the importance of Microsoft Office and the use of technology as it relates to the real world.** |
| **When Students analyze and interpret, they …** | **Articulate**Assemble**Break down**CalculateCategorizeChooseClarify | CompareContrast**Decipher****Define**DetailDetermine | **Differentiate****Discover****Discuss****Dissect**Distinguish**Examine**Find | Gather**Identify**Inspect**Investigate**LabelMap | MatchOrganize**Outline**Paraphrase**Relate**Rephrase | **Resolve**SelectSeparate**Signify****Summarize**Understand |
| **To help students analyze & interpret, the tutor/SI Instructor asks…**  | \*What do you already know about Access?\*What have you learned about databases?\*What do you want to know about databases?\*What can you say about…?\*What do you think about?\*How would you explain each part of Access?\*What would you use to support…?\*What is the significance of the support of? \*What is valid?\*What is relevant to databases?\*What has meaning for …?\*What information is most important to database design? | \*How would you best organize the information on a database?\*How would you categorize or classify the different parts of a database?\*What is the purpose or motive of Access\*What are your assumptions about Access?\*Who, what, when, where, why and how? *Additional Questions*: Compare and contrast Access to Excel \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
| **Analyze & Interpret: tutoring formulas in Excel** |
| Learning Outcome 1Students will analyze and interpret **to demonstrating understanding of “Absolute” vs “Relative” formulas.** |
| **When Students analyze and interpret, they …** | ArticulateAssembleBreak downCalculateCategorizeChoose**Clarify** | **Compare****Contrast**DecipherDefineDetailDetermine | **Differentiate**DiscoverDiscussDissectDistinguishExamineFind | Gather**Identify**InspectInvestigateLabelMap | MatchOrganizeOutlineParaphraseRelateRephrase | ResolveSelectSeparateSignify**Summarize**Understand |
| **To help students analyze & interpret, the tutor/SI Instructor asks…**  | \*What do you already know about Excel?\*What have you learned about…? \*What do you want to know about…? \*What can you say about tables?\*What do you think about…?\*How would you explain columns on a table?\*What would you use to support…?\*What is the significance of the support of…? What is valid?\*What is relevant to…? \*What has meaning for…? \*What information is most important to create the table? | \*How would you best organize the information on…?\*How would you categorize or classify the different parts of…? \*What is the purpose or motive of…?\*What are your assumptions about…? \*Who, what, when, where, why and how? *Additional Questions*: Why is it necessary to break table columns into the smallest entities? Apply and Explain to reach sound conclusions.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
| **Analyze & Interpret: using formulas in Excel/tutoring in Access** |
| Learning Outcome 1Students will analyze and interpret **formulas in Excel/tutoring in Access** |
| **When Students analyze and interpret, they …** | ArticulateAssembleBreak downCalculate**Categorize**Choose**Clarify** | **Compare****Contrast**Decipher**Define**DetailDetermine | **Differentiate****Discover**DiscussDissect**Distinguish**Examine**Find** | **Gather****Identify**Inspect**Investigate**Label**Map** | **Match****Organize**OutlineParaphrase**Relate**Rephrase | ResolveSelect**Separate****Signify****Summarize**Understand |
| **To help students analyze & interpret, the tutor/SI Instructor asks…**  | \*What do you already know about databases?\*What have you learned about differences between Access and Excel?\*What do you want to know about…?\*What can you say about …?\*What do you think about …?\*How would you explain …?\*What would you use to support…? \*What is the significance of the support…?What is valid about…?\*What is relevant to…?\*What has meaning for…? \*What information is most important to…?  | \*How would you best organize the information on…?\*How would you categorize or classify the different parts of…?\*What is the purpose or motive of …?\*What are your assumptions about…?\*Who, what, when, where, why and how? *Additional Questions*: How is Access different from Excel? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
| **Analyze & Interpret tutoring Microsoft Access** |
| Learning Outcome 1Students will analyze and interpret **steps involved in database design.** |
| **When Students analyze and interpret, they …** | ArticulateAssembleBreak downCalculateCategorizeChooseClarify | **Compare****Contrast**Decipher**Define**Detail**Determine** | **Differentiate**DiscoverDiscussDissectDistinguishExamineFind | Gather**Identify**InspectInvestigateLabelMap | Match**Organize**OutlineParaphraseRelateRephrase | ResolveSelectSeparateSignifySummarizeUnderstand |
| **To help students analyze & interpret, the tutor/SI Instructor asks…**  | \*What do you already know about database design?\*What have you learned about…? \*What do you want to know about…? \*What can you say about …?\*What do you think about …?\*How would you explain use of primary key in a database?\*What would you use to support…?\*What is the significance of the support of…? What is valid…?\*What is relevant to Excel normal view and Access datasheet view?\*What has meaning for…? \*What information is most important …? | \*How would you best organize the information on…?\*How would you categorize or classify the different parts…?\*What is the purpose or motive of changing the field size in design view?\*What are your assumptions about…?\*Who, what, when, where, why and how? Where Access can be used. Where Excel can be used.*Additional Questions*: Compare and contrast Access and Excel. Situations where Access can be used. Disadvantages and advantages of Access. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |

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| Analyze & Interpret: Learning Outcome 1Students will analyze and interpret object-oriented programming concepts. |
| **When students analyze and interpret, they…**  |

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| Articulate | Compare | Differentiate | Gather | March | Resolve |
| Assemble | Contrast | Discover | Identify | Organize | Select |
| Break down | Decipher | Discuss | Inspect | Outline | Separate |
| Calculate | Define | Dissect | Investigate | Paraphrase | Signify |
| Categorize | Detail | Distinguish | Label | Relate | Summarize |
| Choose | Determine | Examine | Map | Rephrase | Understand |
| Clarify |  | Find |  |  |  |

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| **To help students analyze & interpret, the tutor/Instructor asks…** | \* What do you already know about core concepts of object-oriented programming?\* What have you learned about classes/ objects/ attributes/ methods/ abstraction?\* What do you want to know about polymorphism?\* What can you say about informative hiding?\* What do you think about relationship?\* How would you explain Inheritance?\* What would you use to support the benefits of object-oriented programming? |  Additional Questions:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |