**Computer Programming**

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NAME: Adv Programming DATE: Feb 23 – Feb 27, 2015

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| **DAY** | **OBJECTIVE** | **ACTIVITIES** | **STRATEGIES** | **RESOURCES** |
| M  O  N  D  A  Y  Adv Programming | 130.277. C.8 The student codes a computer application. The student is expected to:  (A) apply programming language concepts;  (C) articulate the concept of data representation  Students will be able to design a software application plan   * Sort Array elements using the bubble sort algorithm * differentiate between a one-dimensional and two-dimensional arrays | **Do Now**  Explain the differences between the following  int[] sales=new int[5];  int[][] sales=new int[3][5];  **Direct Instruction**  Two-dimensional array  twodimensionalArray.java  **Independent Practice**   * Complete Chapter 9 ex 2 * exercise 3   **Re-teach/Wrap-up/Homework**  Review concepts learned | Guided Practice  Independent Practice  Hands On  Peer Tutoring  Small Group Teamwork | Handouts  PowerPoint  Online Textbook |
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| W  E  D  N  E  S  D  A  Y  Adv Programming | 130.277. C.8 The student codes a computer application. The student is expected to:  (A) apply programming language concepts;  (C) articulate the concept of data representation  Students will be able to design a software application plan   * Sort Array elements using the bubble sort algorithm * differentiate between a one-dimensional and two-dimensional arrays | **Do Now**  What would be the answer of an fees.length for an array with double[][] fees={{3.0, 4.0, 5.0},{6.0,7.0,8.0}}  **Direct Instruction(cont’d)**  Two-dimensional array  twodimensionalArray.java  **Independent Practice (cont’d)**   * exercise 3   **Re-teach/Wrap-up/Homework**  Review concepts learned | Guided Practice  Independent Practice  Hands On  Peer Tutoring  Small Group Teamwork | Handouts  PowerPoint  online Textbook |
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| F  R  I  D  A  Y  Adv Programming | 130.277. C.8 The student codes a computer application. The student is expected to:  (A) apply programming language concepts;  (C) articulate the concept of data representation  Students will be able to design a software application plan   * differentiate between a one-dimensional and two-dimensional arrays * ragged array | **Do Now**  What are the benefits of using a two-dimensional array vs. a one-dimensional array  **Direct Instruction**  MenuSearach.java  **Independent Practice**   * Exercise 4   **Re-teach/Wrap-up/Homework**  Review concepts learned | Guided Practice  Independent Practice  Hands On  Peer Tutoring  Small Group Teamwork | Handouts  PowerPoint presentation  Online Textbook |