**Computer Programming**

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NAME: Adv Programming DATE: Feb 16 – Feb 20, 2015

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| **DAY** | **OBJECTIVE** | **ACTIVITIES** | **STRATEGIES** | **RESOURCES** |
| M  O  N  D  A  Y |  |  |  |  |
| T  U  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   * Students will be able to … * Using loops with an array (6 period) * Search an array and use parallel arrays   Sort Array elements using the bubble sort algorithm | **Do Now**  Explain how sorting is done using bubble sort?  **Direct Instruction**  Bubble sort Demo (cont’d)  **Independent Practice**   * worksheet Chapter 9 * Chapter 9 exercise 1 online textbook * Chapter 9 exercise 2Mean median online textbook   **Re-teach/Wrap-up/Homework**  Review concepts learned | Guided Practice  Independent Practice  Hands On  Peer Tutoring  Small Group Teamwork | Handouts  PowerPoint |
| W  E  D  N  E  S  D  A  Y |  |  |  |  |
| T  H  U  R  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   * Students will be able to … * Search an array and use parallel arrays   Sort Array elements using the bubble sort algorithm | **Do Now**  When you use a bubble sort to perform an ascending sort, after the first pass through an array the largest value’s location is found \_\_\_\_\_\_\_\_\_ and the smallest value is located \_\_\_\_\_\_\_\_\_\_\_\_\_  **Direct Instruction**   * Insertion Sort Array   **Independent Practice**   * Complete Chapter 9 exercise 2   **Re-teach/Wrap-up/Homework**  Review concepts learned | Guided Practice  Independent Practice  Hands On  Peer Tutoring  Small Group Teamwork | Handouts  PowerPoint presentation |
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