**Computer Programming**

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NAME: Programming DATE: Feb 9 – Feb 13, 2013

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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   * 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**  What is a simpler way of adding an array than  sum = a[0]+a[1]+a[2]+a[3]+a[4] …..  **Direct Instruction**  Searching an array and parallel array (FindPrice) 6th  Bubble sort Demo  **Independent Practice**   * Chapter 8 exercise 1 Online Textbook( 6th Period) * CompuScholar * Chapter 8 exercise 4 Online Textbook (continue)   **Re-teach/Wrap-up/Homework**  Review concepts learned | Guided Practice  Independent Practice  Hands On  Peer Tutoring  Small Group Teamwork | Handouts  PowerPoint  Online Textbook |
| T  U  E  S  D  A  Y  Computer Programming |  |  |  |  |
| 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   * 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**  What is the difference between parallel array and bubble sort array  **Direct Instruction**  Bubble sort Demo (cont’d)  **Independent Practice**   * Chapter 8 exercise 4 Online Textbook (continue) * 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  Textbook |
| T  H  U  R  S  D  A  Y  Computer Programming |  |  |  |  |
| F  R  I  D  A  Y  Adv Programming | Students can and will be able to design a software application plan   * Get numeric and character data from the keyboard * Display information on the computer screen * Write arithmetic expressions | **Do Now**  What is the difference between parallel array and bubble sort array  **Direct Instruction**  Bubble sort Demo (cont’d)  **Independent Practice**   * worksheet Chapter 9 * Chapter 8 exercise 4 Online Textbook (continue) * 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 presentation  Textbook |