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| *Teacher:*  M. Montero | *Subject Area:*  Computer Programming II | *Room No.:*  C218 |
| *Lesson Title:*  Java: Chapter 7 Characters, Strings, and the StringBuilder | | |
| *Lesson Date:*  Jan 7, 2015 | *Meeting Time/Period:*  4nd, 6th, 8th | *Grade Levels:*  10-12 |
| *Materials/Resources:*  Notebook, Computer, Internet, Flash-drive, PowerPoint, texas1.compuscholar.com | | |
| *What is the lesson objective?*  Students will be able to …   * Understand and use reference variables for object and string data types * Understand that a reference variable does not create space for the data in memory * Understand that the Java Wrapper classes are actually reference data types * Explain that an un-initialized reference variable contains a null value * Demonstrate how to create a reference variable and initialize it with the **new** keyword * Demonstrate how to create a reference variable and initialize it by setting it equal to another reference variable | | |
| *Standards addressed and expectations of students:*  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;  *Anticipatory Set:*  What are Strings and how are they used? | | |
| *Teaching/Instructional Process:*   * Independent Practice * Facilitator * Mini-quiz | | |
| *Guided Practice and Monitoring:*  testCharacter.java pg. 353 | | |
| *Independent Practice:*  Read text or watch video while answering questions  Mini-quiz  ***Extension Activity:***  Create a Personal Dictionary with new words  ***Review/Reteach:***  Review concepts learned  *Closure:* Exit Ticket www.getkahoot.com | | |