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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
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| *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
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| *Guided Practice and Monitoring:*testCharacter.java pg. 353 |
| *Independent Practice:*Read text or watch video while answering questionsMini-quiz***Extension Activity:***Create a Personal Dictionary with new words***Review/Reteach:***Review concepts learned *Closure:* Exit Ticket www.getkahoot.com |