CS10 Calendar

# Calendar for CS 10

* Semester 1 [here](./sem01.md)
* Quarter 3 [here](./q3.md) ## Quarter 4
* 4/3 (Thursday)
  + MC4 Practice on Schoology
  + Turn in Queue today using this [driver file](../AP_shared/Queue/QueueDriver.java) posted on 4/1. Turn in the whole folder. Be sure push AND pop are fast!
  + New project [Calculator](../AP_shared/Calculator/calculator-instructions.html) and [files](../AP_shared/Calculator.zip). Due Friday 4/11 (partial)
* 4/9 (Wednesday)
  + MC5 Practice on Schoology
  + FRQ “April 9” on AP Classroom. Score yourself. Completion grade for thorough work.
  + Check out [this site I made](https://javadrop-io-019d03a56736.herokuapp.com/) and submit your Stack assignment to it (for practice, not a grade). Login is same as class server: first 7 of last name + first initial (jefferst) and student id is password.
  + Calculator is due next class. Only LEFT-to-RIGHT precedence, plus all basic functions (decimal point, backspace, clear, equals, no reflection yet)
* 4/11 (Friday!)
  + MC6 Practice on Schoology
  + FRQ Practice “Candy” on [JavaDrop](https://javadrop-io-019d03a56736.herokuapp.com/). Click on FRQ practice and submit your solution in the code widget.
  + Calculator due today on [JavaDrop](https://javadrop-io-019d03a56736.herokuapp.com/) by end of class.
  + MC review in class (solution posted soon)
* SPRING BREAK
* 4/22 (Tuesday)
  + MC7 Practice on Schoology
  + (From December, for review) Notes on inheritance and polymorphism [worksheet](../AP_shared/classes/TrickyPolymorphism.pdf) and [key](../AP_shared/classes/TrickyPolymorphismAnswers.pdf)
  + Reset your password on [JavaDrop](https://javadrop-io-019d03a56736.herokuapp.com/) (aka [javadrop.io](https://javadrop.io))
  + Look at FRQ: 2024 #1 (BirdFeeder) and #2 (ScoreBoard)
  + MC TEST MONDAY 4/28. Review all MC\* warmups and the old MC test in AP Classroom!
  + FRQ TEST FRIDAY 5/2. Lots of problems coming online on JavaDrop.
  + AP TEST Wed 5/7
* 4/24 (Thursday)
  + MC8 Practice on Schoology
  + [Recursion practice questions](../AP_shared/monster2.pdf)
  + FRQ practice on javadrop.io – focus on ArrayLists and Arrays
  + MC Test next class.
  + Review all the MC warmups [here](../AP_shared/quiz.html)
* 4/28 (Monday)
  + MC Practice Test
* 4/30 (Wednesday)
  + AP Review
  + Go over MC questions (results on AP classroom)
  + FRQ test next class, practice problems on [JavaDrop](https://javadrop-io-019d03a56736.herokuapp.com/) (aka [javadrop.io](https://javadrop.io))
* 5/2 (Friday)
  + FRQ Test in class
* 5/6 (Tuesday)
  + Verify you can log in to BlueBook
  + Memorize your password!
  + Notes on Binary Trees (here’s some examples [online](https://courses.grainger.illinois.edu/cs225/sp2019/notes/bst/))
  + [Binary Tree Assignment](../AP_shared/BinaryTree/binary-tree-1.pdf) due in class (submit to JavaDrop)
  + AP TEST TOMORROW. Review on [JavaDrop](https://javadrop-io-019d03a56736.herokuapp.com/). GOOD LUCK
* 5/8 (Thursday)
  + Post test rest day
* 5/12 (Monday)
  + Binary trees: FindMin, Delete, Find
  + Add these methods to your code: FindMin returns an int, Delete returns void, Find returns boolean
  + Make your own tester and then test with supplied [BinaryTreeTester.java](../AP_shared/BinaryTree/BinaryTreeTester.java)
  + Submit on JavaDrop (Binary Day 2)
* 5/14 (Wednesday)
  + Binary Trees Day 3: Insertion with rotations
  + Read [notes on insertion](../AP_shared/BinaryTree/AVL_Notes.pdf)
  + Watch [this video](https://www.youtube.com/watch?v=JPI-DPizQYk)
  + Do [this worksheet](../AP_shared/BinaryTree/AVL_insert_worksheet.pdf)
  + Modify your *insert* method to implement AVL tree rotation. You can test by inserting 1,000,000 ints in order. If your balancing works, it should be fast. If not, it will be very slow! This is due today *or* Monday.
  + Demo where you can [check your work](https://www.cs.usfca.edu/~galles/visualization/AVLtree.html). You’ll need to enter the trees in top-down-left-to-right order!
* 5/16 (Friday)
  + Binary Trees Day 3B: Practice with AVL rotations
  + [Online notes](../AP_shared/BinaryTree/AVL-insert-web.md)
  + Complete *all* examples in the notes and modify your Binary Tree to support insert and rotate (assignment in the notes)
  + Submit to JavaDrop by Mon Night 9PM. Here’s the [tester I use](../AP_shared/BinaryTree/BinaryTreeTesterAVL.java). Make sure you follow the coding convention from the notes, please.
  + Non-coding quiz Tuesday over rotations
* 5/20 (Tuesday)
  + AVL rotation quiz
  + [Shuffler](../AP_shared/Shuffler.md) challenge, due in class.