

**Y2K – Data Structures
Schedule and Assignments**

Name _____
Period _____

Directions: Here is your schedule and list of reading and exercise assignments from now until Spring Break. Use this calendar to keep track of the work you are doing in class. Warmups will be assigned in class each week. You may use the calendar to keep track of your grade, too. Make sure to get things checked off with me even if you are absent. If you would like more resources or project ideas with these data structures, let me know! (Optional projects from the readings will be posted on my website.)

DD&OS → Data Structures & Other Objects, by Michael Main (reading sections can be found on my website)

BJP → Building Java Programs 2nd ed., by Stuart Reges and Marty Stepp (reading sections can be found in the textbooks in class)

hws.edu → <http://math.hws.edu/javanotes/index.html>, Intro to Programming Using Java, by David Eck (reading sections can be found on this website)

Day	February 27 th – March 3 rd	March 6 th – March 10 th	March 13 th – March 17 th	March 20 th – March 24 th	March 27 th – March 31 st
	<i>Intro to Collections ...</i>	<i>Lists, Sets, Maps</i>	<i>Stacks, Queues</i>	<i>Trees</i>	<i>Heaps, Graphs</i>
Monday	Collections WS (due Wednesday) <i>Researching Data Structures:</i> 1.) Vectors 2.) Sets 3.) Maps 4.) Stacks 5.) Queues 6.) Trees 7.) Heaps 8.) Graphs	<u>Lists, Sets, Maps</u> 1.) Read DD&OS section 5.7 – Maps, and complete Exercises 5.7 2.) Read hws.edu sections 10.2 - 10.4, take notes 3.) Read BJP sections 11.1, 11.2, 11.3 and self-check problems 11.1 – 11.3 <i>All of these are due Monday, March 13th.</i>	<u>Stacks, Queues</u> 1.) Read DD&OS 6.1 – 6.3 (stacks) and DD&OS 7.1 – 7.4 (queues); do all exercises for the sections 2.) Read hws.edu section 9.3 (stacks, queues, adts) and take notes <i>All of these are due Monday, March 20th</i>	<u>Trees</u> 1.) Read BJP 17.1 – 17.4, do all self-check problems 2.) Read hws.edu section 9.4 (trees) and take notes <i>All of these are due Monday, March 27th</i>	<u>Stacks, Queues</u> 1.) Read DD&OS 10.1 (heaps) and DD&OS 14.1 – 14.3 (graphs); do all exercises for the sections All of these are due Monday, April 10 th ***ALL LATE WORK DUE MONDAY, APRIL 10th***
Tuesday	Collections WS (due Wednesday)	Work time	Work time	Work time	Work time
Wednesday	Collections WS (due today!)... look at Thurs.	Work time	Work time	Work time	Work time
Thursday	<i>Start Lists, Sets, Maps assignments and readings!!!</i>	Work time	Work time	Work time	Work time
Friday	Work time and Warmups due today!	Work time and Warmups due today! <u>Due Monday:</u> <input type="checkbox"/> DD&OS 5.7 notes <input type="checkbox"/> DD&OS 5.7 exercises <input type="checkbox"/> hws.edu 10.2–10.4 notes <input type="checkbox"/> BJP 11.1 – 11.3 notes <input type="checkbox"/> BJP 11.1 – 11.3 exercises	Work time and Warmups due today! <u>Due Monday:</u> <input type="checkbox"/> DD&OS 6.1 - 6.3 notes <input type="checkbox"/> DD&OS 6.1-6.3 exercises <input type="checkbox"/> DD&OS 7.1 – 7.4 notes <input type="checkbox"/> DD&OS 7.1-7.4 exercises <input type="checkbox"/> hws.edu 9.3 notes	Work time and Warmups due today! <u>Due Monday:</u> <input type="checkbox"/> BJP 17.1 – 17.4 notes <input type="checkbox"/> BJP 17.1 – 17.4 exercises <input type="checkbox"/> hws.edu 9.4 notes	Work time and Warmups due today! <u>Due Monday:</u> <input type="checkbox"/> DD&OS 10.1 notes <input type="checkbox"/> DD&OS 10.1 exercises <input type="checkbox"/> DD&OS 14.1 – 14.3 notes <input type="checkbox"/> DD&OS 14.1 – 14.3 exercises