



'24-'25 Computer Programming Year at a Glance (YAG)



First Semester		Second Semester	
1st Nine Weeks UNITS 1-3		3rd Nine Weeks UNITS 5-8	
<p>TEKS</p> <p>126.34 Computer Science II</p> <p>(a)(b)1-3</p> <p>(c)(1)A-I</p> <p>(c)(2)A-G</p> <p>(c)(3)A-H</p> <p>(c)(4)A-Z</p> <p>(c)(4)AA-MM</p> <p>(c)(5)A-C</p> <p>(c)(6)A-F</p>	<p>Week 1 Class Intro & Expectations + Games</p> <p>Week 2 UNIT 1 Welcome to CSP Representing Information</p> <p>Week 3 Circle Square Patterns Binary Numbers</p> <p>Week 4 Overflow and Rounding Representing Text</p> <p>Week 5 7 Black and White Images Color Images</p> <p>Week 6 Lossless Compression Lossy Compression Intellectual Property</p> <p>Week 7 Project - Digital Information Dilemmas - Parts 1-2 Assessment Day</p> <p>Week 8 UNIT 2 Welcome to the Internet Building a Network The Need for Addressing Routers and Redundancy Packets</p> <p>Week 9 HTTP and DNS Project - Internet Dilemmas - Parts 1-2 Assessment Day</p> <p>UNIT 3 Intro to Apps Introduction to Design Mode</p>	<p>TEKS</p> <p>126.34 Computer Science II</p> <p>(a)(b)1-3</p> <p>(c)(1)A-I</p> <p>(c)(2)A-G</p> <p>(c)(3)A-H</p> <p>(c)(4)A-Z</p> <p>(c)(4)AA-MM</p> <p>(c)(5)A-C</p> <p>(c)(6)A-F</p>	<p>Week 1 Lists Practice Lists Make</p> <p>Week 2 Loops Explore Loops Investigate</p> <p>Week 3 Loops Practice Loops Make</p> <p>Week 4 Traversals Explore Traversals Investigate</p> <p>Week 5 Jan 31 Traversals Practice Traversals Make</p> <p>Week 6 Project - Hackathon - Parts 1-3 Project - Hackathon - Parts 4-5 Assessment Day</p> <p>Week 7 UNIT 6 Algorithms Solve Problems Algorithm Efficiency Unreasonable Time</p> <p>Week 8 The Limits of Algorithms Parallel and Distributed Algorithms Assessment Day</p> <p>Week 9 UNT 7 - PARAMETERS, RETURN, & LIBRARIES Parameters and Return Explore Parameters and Return Investigate Parameters and Return Practice Parameters and Return Make</p> <p>UNIT 8 - CREATE PT PREP Create PT - Review the Task Create PT - Deep Dive Create PT - Make a Plan Create PT - Complete the Task (12 total class hours)</p>
2nd Nine Weeks – 43 days (October 14 th – December 17 st) UNITS 3-5		4th Nine Weeks – 45 days (March 14 th – May 25 th) UNITS 9-10 + REVIEW	



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