

Cyber Capstone

<p>Mr. Joe Cusack Jcusack1@kleinisd.net Room 502 / Klein Collins High School Computer Science instructor / (832) 484-5500 Ext 45246 Mr. Cusack's Web site: www.joecusack.com Course: 9462?? / Cyber Capstone</p>	<p>Prerequisite: none Required Course Supplies: Pencils and Paper everyday Major exam test Day: Friday</p>	
<p>Course Description: <i>The Cybersecurity Capstone program explores the dynamic field of cybersecurity and the technologies and tools used to handle threats, attacks, and vulnerabilities. The Cyber Security domains covered in this class are Threats, Attacks, and Vulnerabilities, Technologies and Tools, Architecture and Design, Identity and Access Management, Risk Management, Cryptography and PKI (Public Key Infrastructure). Cyber Fundamentals are required before taking this class. Digital Forensics is recommended before taking this class.</i></p>		
<p>Late Work Guidelines -10 points off each day late Active participation and group collaboration Will be evaluated and given a grade. Tutorials: Usually 6:15 am till the start of school every morning.</p>	<p>Re-teach/Re-test Procedure Review material and test corrections, Re-take test within 5 days, Replacement grade may not exceed 70, Re-test policy does not apply to major projects. The Klein Collins HS Grade Repair Policy does not apply to this course</p>	<p>Textbook <i>Blown to Bits: Your Life, Liberty, and Happiness</i> after the Digital Explosion 1st Edition by Hal Abelson (Author), Ken Ledeen (Author), Harry Lewis (Author) – Free online</p>
<p>Online Resources used: Khan Academy https://www.khanacademy.org/ W3School https://www.w3schools.com/ Cyber Range https://apps.cyber.org/login Cyber Start America https://www.cyberstartamerica.org/</p>	<p>Student Absence Procedures One day to make up work for each day absent Grades: 9-12 .5 Credit</p> <hr/> <p>Grade replacement: I offer grade replacement for an assignment. If a student competes on my Computer Science UIL team. I will replace a minor or major grade with a 100. Minor grade replacement for any ranking in the contest. Major grades replacement will happen if the student makes a grade of 75 or more on the UIL test (Perfect score 240). No limit to the number of contests you can attend. Replacement grade must be used in the current grading period.</p>	