

Cyber Capstone

<p>Mr. Joe Cusack Jcusack1@kleinisd.net Room 502 / Klein Collins High School Computer Science, Information Technology, Cyber Security Instructor (832) 484-5500</p>	<p>Prerequisite: None Required Course Supplies: Pencils and Paper everyday Major exam test Day: Friday Course: 946318 / CYBERSEC CAPSTO</p>
<p>Course Description: <i>The Cybersecurity Capstone program explores the dynamic field of cybersecurity, focusing on the technologies, tools, and practices used to identify, prevent, and respond to threats, attacks, and vulnerabilities. The course covers key cybersecurity domains including Threats, Attacks, and Vulnerabilities; Technologies and Tools; Architecture and Design; Identity and Access Management; Risk Management; Cryptography and Public Key Infrastructure (PKI); and computer networking as it applies to cybersecurity. Prior coursework in forensics or a teacher's recommendation is strongly recommended before enrolling in this class.</i></p>	
<p>Late Work Guidelines: <i>Late assignments will receive a 10-point deduction for each day they are submitted after the due date. Active participation and group collaboration will be evaluated and graded. Tutorials are typically available Monday and Wednesday until 4:00 PM, and before school by appointment only.</i></p>	<p>Grade Repair and Re-Test Policy: Students may review the material and complete test corrections before retaking an assessment within five (5) days. The replacement grade may not exceed 75. This re-test policy does not apply to major projects. Please refer to the Grade Replacement below for additional details on how to complete grade replay.</p> <p>Textbook <i>Blown to Bits: Your Life, Liberty, and Happiness after the Digital Explosion</i> 1st Edition by Hal Abelson (Author), Ken Ledeen (Author), Harry Lewis (Author) – Free online</p>
<p>Online Resources used: Joe Cusack Assignments www.cusack2.com Khan Academy https://www.khanacademy.org/ W3School https://www.w3schools.com/ Cyber Range https://apps.cyber.org/login</p>	<p>Grade Replacement: If you compete on the Computer Science UIL team, you may earn a grade replacement for an assignment. A minor or major grade can be replaced with a 100, depending on your contest participation and performance. Minor grades can be replaced with any contest ranking. Major grades can be replaced if you score 60 or higher on the UIL test (perfect score is 240). There is no limit to the number of contests you may attend, but all replacement grades must be used within the current grading period.</p> <p>Student Absence Procedures One day to make up work for each day absent</p>