Computer Science Practicum

Mr. Joe Cusack

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Room 502 / Klein Collins High School

Computer Science instructor

(832) 484-5500

Prerequisite: Mr. Cusack recommendation

Required Course Supplies:

Pencils and Paper everyday

Course: 946018 / PRAC COMP SCI

Course Description:

In the *Practicum in Information Technology*, students will gain advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation, and assessment of products, services, and systems. Knowledge and skills in the proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an industry mentor, as an unpaid or paid internship, as part of a capstone project, or as career preparation.

Outline:

- Career Exploration and Employability
- Customer Service and Academic Skills
- Research and Project Management in IT Services
- Employability Skills and Portfolios
- Internship or Unique project build by the student and approved by Mr. Cusack

Late Work Guidelines:

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*

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 repair.

Textbook

Blown to Bits: Your Life, Liberty, and Happiness after the Digital Explosion 1st Edition by Hal Abelson (Author), Ken Ledeen (Author), Harry Lewis (Author) – Free online

Online Resources used:

Mr. Joe Cusack's Assignments

www.cusack2.com

Khan Academy

https://www.khanacademy.org/

W3School

https://www.w3schools.com/

Code.org: Learn today, build a brighter tomorrow.

https://code.org/

Amazon Future Engineer- Project STEM program

https://projectstem.org/users/sign_in

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.

Student Absence Procedures

One day to make up work for each day absent