Naperville North High School
Course: Blended Cybersecurity

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District Mission	To educate students to be self-directed learners, collaborative workers, complex thinkers, quality producers, and community contributors
CTE Mission	In partnership with the community, Career and Technical Education (CTE) provides students with real-world experiences. Students will discover and explore their passions which will lead to career opportunities and the development of life skills.
Course Description	Cybersecurity is a course in which students explore the tools and concepts of cybersecurity and create solutions that empower people to share computing resources while protecting privacy. Globally, computational resources are vulnerable and frequently attacked; in Cybersecurity, students solve problems by understanding and closing these vulnerabilities. Students raise their knowledge of and commitment to ethical computing behaviors. They develop their skills as consumers, citizens, and professionals who can effectively contribute to communities with a dependable and secure cyber-infrastructure. This blended learning course integrates traditional face-to-face learning and online independent learning components.
Course Textbook & Resources	● *Computer Security Fundamentals* (4/e) by Easttom ● PLTW Cybersecurity Course

Units of Study	● Fall Semester
	  ○ Unit 1 – Ethics and Personal Security
	  ○ Unit 2 – Security Principles
	  ○ Unit 3 – Web Security
	● Spring Semester
	  ○ Unit 4 – Penetration Testing
	  ○ Unit 5 – Applied Cybersecurity
	  ○ Unit 6 – Capture the Flag (CTF)

Grade Calculation Definitions	At Naperville North we define formative and summative work as follows: ● **Formative work** is used to monitor student's learning to provide ongoing feedback that can be used by students to improve their learning. Examples may include: practice activities, homework, quizzes, etc. ● **Summative work** is used to evaluate student learning at the end of an instructional unit or segment of learning by comparing it against a standard or benchmark.
Grading Practices	Grades communicate each student's progress toward mastery of goals/standards for the course. ● No extra credit will be issued.

- In Infinite Campus, a score of "Missing" (M) will indicate an assessment has not been turned in and the comments section will include a specific date by which students can still submit. After that date, a zero (0) will be recorded.
- Summative work submitted after the original due date cannot be penalized more than a total of 10% and must be submitted no later than two weeks after the original due date.
- If a legitimate attempt is made on a summative assessment before the deadline, a score of 50% will be the lowest possible grade.
- Formative work:
  - Accepted up to the end of each unit.
  - Formative work submitted after the due date cannot be penalized more than a total of 10%.
- Violations of the academic integrity policy will be consequenced by the administration in collaboration with the department chair/teacher.

Grading Disbursement	A=100-90%, B=89-80%, C= 79-70%, D=69-60%, F=59-0% Semester Grade: ● Coursework = 85% (Summatives=90%, Formatives=10%) ● Final Exam =15% Fall Final Exam Format: In-Class Security Lab Spring Final Exam Format: CTF
Academic Integrity Code	District 203 students are challenged to address the academic process enthusiastically, diligently, and most importantly, honestly. It is the responsibility of our students, teachers, and administration to uphold the fundamental academic values of honesty, responsibility, fairness, respect, and trust. The integrity of our district's academic programs is built upon these principles. Academic integrity violations include cheating; plagiarism, self-plagiarism or copy infringement; obtaining or providing an unfair advantage; falsification of documents; unauthorized access to records; and inappropriate collaboration, whether intentional or unintentional. The classroom teacher and administration will collaborate and exercise professional judgment in determining academic integrity violations**.**

Reassessment Policy	Students will be provided with multiple and varied opportunities to demonstrate mastery of learning standards. The purpose of reassessment is to allow students to demonstrate mastery of course standards in which they remain deficient.
	● Students will be required to engage in further learning and reassessment when students do not demonstrate sufficient learning of the course essential standards.
	● Students who have demonstrated sufficient learning of the essential standards (but scored below 80%), will be allowed reassessment opportunities on summative assessments if they so choose. To be eligible for reassessment, students must
	  ○ Complete designated learning experiences as assigned by the teacher
	  ○ Meet with the teacher to review these learning experiences
	● Reassessments MUST be completed during the next unit of study.

	● Project-based assessments that include multiple opportunities for feedback and improvement in the assessment process will represent multiple attempts and be considered a reassessment ● Higher reassessment grades will replace the original assessment score (but will not exceed 80%).
Student Communication	● You are encouraged to communicate with their teacher regarding questions. ● Teachers make every effort to respond to emails and phone calls within 24 hours during the workweek. ● The best way to communicate with teachers is through email; however, if you haven't received a response within 48 hours, please resend the email or call their voicemail. Your email may have been filtered.
Additional Resources for Support	● You can make an appointment with your teacher should you need additional instruction or support in learning material. ● You can attend S.O.S. (Supervised Open Study) in the Learning Commons Monday, Wednesday, and Thursday from 3:15-4:15 to receive extra support or to work on assignments. ● You can drop in to work with a peer tutor during lunch periods or before school in the Literacy Center.

Parents or Guardians Partnership	Naperville North believes in a collective partnership with parents/guardians which provides students the best opportunities for success.
	Some ways parents/guardians can support their student's learning are:
	● Actively check Infinite Campus for their student's grades.
	    o Infinite Campus is a tool to progress monitor student work until the final course grade is posted.
	    o Monthly progress grades are posted and represent the current grade of a student in the course at that moment in time.
	● Discuss missing assignments, reiterate due dates, help organize folders, materials, assignment notebooks, and review upcoming projects and assessments.

COURSEWORK ASSESSMENT DETAIL	
Assessments may be added or eliminated based on teacher discretion.	
Unit 1: Ethics and Society	❏ Ethics and Personal Security exam ❏ Ethics and Personal Security labs/performance evaluations
Unit 2: Security Principles	❏ Security Principles exam ❏ Security Principles labs/performance evaluations
Unit 3: Web Security	❏ Web Security exam ❏ Web Security labs/performance evaluations
Unit 4: Penetration Testing	❏ Penetration Testing exam ❏ Penetration Testing labs/performance evaluations
Unit 5: Applied Cybersecurity	❏ Applied Cybersecurity exam ❏ Applied Cybersecurity labs/performance evaluations
Unit 6: Capture the Flag	❏ Capture the Flag lab/performance evaluations