**2024-2025**

**Cybersecurity**

**111G**

**Syllabus and Class Contract**

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**1. West Fargo Public Schools Vision and Mission:**

West Fargo Public Schools prepares all learners with the knowledge and skills to be contributing citizens in a rapidly changing world. We are dedicated to continuous improvement, engaging every student to become problem solvers and lifelong learners. Excellence is achieved through practices based in research, and by aligning all resources to support learning.

**EDUCATING ALL LEARNERS FOR TOMORROW’S WORLD.**

**2. Daily Student Materials:**

* iPad (charged and ready to go)

**3. Schoology Information:**

Students will regularly need to access videos, assignments, links, etc. from the Cybersecurity Schoology course.  It is important you know how to navigate Schoology and check regularly for updates, deadlines, etc. both for Cybersecurity and other courses.

**4. Course Overview:**

As our world becomes increasingly reliant on technology, cybersecurity is a topic of rising importance. It is critical that individuals have the skills and knowledge to protect themselves from the increasing danger of cyber-attacks. This course will prepare you with the necessary skills to be a responsible citizen in a digital world. The learning modules included in this course were developed from the NICE framework - National Initiative for Cybersecurity Education. The mission of NICE is to promote a robust network and an ecosystem of cybersecurity education, training, and workforce development. North Dakota became the first state to require cybersecurity education for all K-12 students following Gov. Doug Burgum's signing of HB 1398. To graduate from a North Dakota high school, the law requires students to take at least one course in computer science or cybersecurity. Successful completion of this course will fulfill the cybersecurity graduation requirements for you as a West Fargo High School student.

**5. Cybersecurity Learning Objectives:**

* **Cybersecurity – Module 1**
  + Define cybersecurity
  + Understand the impact of cybersecurity
  + Understand the importance of cybersecurity in society
  + Identify potential threats to cybersecurity
* **Networking Fundamentals– Module 2**
  + Understand basic network protocols
  + Understand practical networking
  + Understand network security
  + Discover worldwide network internet connectivity
* **Internet Security– Module 3**
  + Identify types of malicious software
  + Determine if a computer is infected
  + Take precautions from viruses, adware, and spyware
* **Digital Citizenship– Module 4**
  + Understand digital footprints/tattoos
  + Understand internet etiquette
  + Understand online risks
  + Understand implications of cyberbullying
* **Cyber Incidents– Module 5**
  + Understand social networking
  + Understand safe electronic communication practices
* **Information Literacy– Module 6**
  + Define Information Literacy
  + Understand copyright infringement
  + Understand intellectual property
  + Understand responsible use of technology systems and digital content
* **Information Protection Fundamentals– Module** 7
  + Define information assets
  + Define confidentiality, integrity, and availability in terms of IT
  + Identify treats against information assets
  + Identify security mechanisms to support information protections: countermeasures, controls, safeguards
  + IT roles and responsibilities
  + Understand the elements that make up a typical information protection program

**6. Behavior Expectations:**

* Be **compassionate**. Treat yourself, your classmates, the teachers, and the school with respect and consideration.
* Show **responsibility.** Come to class on time, homework completed (when necessary), and ready with all materials.
* Practice **collaboration**. We are a classroom community. Many activities will require us to talk to one another or volunteer to share ideas with the entire class. Be kind and helpful to each other.
* Demonstrate **resilience**. Your passing grade in Cybersecurity not only contributes to your graduation requirements but meets a North Dakota Scholarship requirement of competency in 21st century skills. Stay focused, recover from absences, and strive to get and do better with the skills you learn through this course.

**7. Important Procedures:**

**Class Meetings:** Advisory class will meet each Monday unless otherwise rescheduled. Attendance is mandatory, just like your other classes.

* **Plagiarism:** Plagiarism is unethical. Show the respect you would want for your hard work and do not claim something that is not yours, including utilizing Artificial Intelligence! Cutting and pasting sentences off the Internet into a word document or copying sentences directly from the Internet will not be permitted. Paraphrase what you have found by putting it in your own words. You may use direct quotes if you cite your source. Graded assignments that are plagiarized will receive a 0.
* **Cell Phone Use:** Per WFHS policy, cell phones must be out-of-sight and out-of-use from bell to bell.
  + 1st Offense: If a teacher asks for your cell phone and you hand it over respectfully, you’ll get it at the end of the period.
  + 2nd Offense: The teacher will bring your phone to the Main Office where you can pick it up at the end of the day.
  + 3rd Offense: The teacher will bring your phone to the office. You will need to turn your phone into the Main Office for five days.
  + 4th Offense: The teacher will bring your phone to the office. It will remain in the Main Office until picked up by a parent/guardian.
  + If you refuse to hand over your phone, you will be sent to the Main Office.
* **Late Work:** All late work must be handed in before the end of the quarter or you will receive a 0 on the assignment(s).
* **Missed Work/Makeup Work:**Check with your teacher during advisory the following week to determine what you missed. All missing work must be handed in before the end of the quarter or you will receive a 0 on the assignment(s).
* **Tardiness:** A tardy is any situation in which you arrive to class late or unprepared. 5 unexcused tardies will result in a UV, which receive detention.
* **Inappropriate Language:** The words we use are powerful. We must choose them wisely and make sure they are not used to put one another down or degrade the classroom environment. School is professional space and your language in our classroom should reflect this.
* **Start of Class:** Enter class quickly and quietly. Pick up any materials by the door and then go directly to your assigned seat.
* **Food and Drink:** All drinks must have a spill-proof lid. Do not make a mess! Do not let your drink distract you from class or this privilege will be revoked. The only food allowed is teacher-provided.
* **End of Class:** The bell doesn't dismiss class, I do. You will be given permission to pack up your belongings and materials. Desk space and any mess made in class must be cleaned. If you borrowed a pencil, RETURN IT. No one is to crowd or open the door until given permission.
* **Class Participation:** Unless stated otherwise, ALWAYS raise your hand and wait to be called upon. Track the speaker with both your shoulders and your eyes. Keep your head up. This is a sign of respect. When having a class discussion, build on the ideas of others, ask further questions, challenge and disagree with your peers, provide evidence for your response, etc. Participation is important!
* **Leaving the Room.** If you need to leave the room for ANY reason, ask first AND THEN submit an eHall Pass to be approved. Only one person will be allowed out of the room at a time. Bathroom and water fountain use is limited to independent and group work time. As we are only together for 20 minutes, approval to leave the room will be very rare.
* **Materials for Class:** You must come to class with your iPad (charged and ready to use), pencil and paper. If you fail to bring a writing utensil to class, you must borrow one from me or a classmate. Pencils are available but MUST be returned. These supplies are not to leave the room.

**8. Discipline Policy:**

***Level One:*** Friendly Reminder

***Level Two:*** Verbal Warning

***Level Three:*** Hallway Conference

***Level Four:*** Office Referral

***Other:***Students may be recommended for a Behavior Intervention Plan, lose computer or group-work privileges or be required to move seats, write an apology letter, etc.

*Rewards include:*

1. Shout-outs
2. Classroom celebrations
3. Call home/note home to parent/guardian
4. Ability to participate in classroom/school-wide activities
5. Class-chosen seating arrangement
6. Choosing the music we listen to during class time.

**9. Expectations for Your Teachers:**

As your teachers, you should expect us to:

* Do all that we can to ensure your success in our class
* Treat you respectfully and fairly at all times.
* Learn from you and about you
* Not let you "slack off" and hold you to HIGH expectations because we believe in you

**10. Grading Scale:**

This course is graded as pass/fail. This means, at the end of the year, you will receive either a SATISFACTORY (SA) grade (passing) or an UNSATISFACTORY (UN) grade (failing). All advisory courses, including Cybersecurity, are worth .25 credit. Successful completion of this cybersecurity course is a North Dakota graduation requirement.

There are 7 required cybersecurity modules. To earn a satisfactory grade, you must adequately complete all 7 by uploading your progress badges to Schoology. Sloppy, unfinished, or careless work is not adequate completion. Additionally, late and missing work is only accepted until the end of each quarter. If you do not receive a satisfactory grade, you do not receive credit for the course and will not have demonstrated proficiency in 21st century skills for North Dakota Scholarship eligibility.

**11. Extra Help:**

* The Homework Room will be offered after school on Mondays and Thursdays from 3:40 to 4:30 in room 106E.
* There will be TWO WIN sessions offered each week to provide additional support for Cybersecurity modules.

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This is your class: your opportunity to learn, ask questions, and challenge yourself. We encourage you to make the best of it and set yourself up for high school success!

Sincerely,

Brittany Smith & Erika Brann

If you agree to work hard to develop cybersecurity skills, please sign to accept the terms of this contract.

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Student Signature                                                                                          Date