Advanced Cybersecurity Syllabus (Course Code: 11.48200)

Instructor: Ms. Lydia Prince Room: 504 Email: [princly@boe.richmond.k12.ga.us](mailto:princly@boe.richmond.k12.ga.us) Availability: Mon–Wed. 3:15–4:00 PM (by appointment)

**Remind Codes**: Send a text to 81010 and enter code

3rd period: @49bf3c | 4th period: @gec9gbk | 5th period: @3heeebb

**Course Description**

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| This course lays a foundation for understanding cyber law and policy, Linux, networking technology basics, risk assessment, cryptography, and a variety of cybersecurity tools—critical knowledge and skills to enter the cybersecurity workforce. It prepares students for the **CompTIA Security+ certification exam (SY0-701),** which serves as the End of Pathway Assessment (EOPA) and is recognized by state departments of education. | Security+ Exam Objectives  Attacks, Threats, and Vulnerabilities  Architecture and Design  Implementation  Operations and Incident Response  Governance, Risk, and Compliance |
| Each unit is composed of short instructional lessons, supported by hands-on labs, case studies, and real-world simulations using Kali Linux and Windows environments on the CYBER.ORG Range. | Instructional Units  1. General Security Concepts  2. Threats, Vulnerabilities, and Mitigations  3. Security Architecture  4. Security Operations  5. Security Program Management and Oversight |

**Required Materials**

* Laptop or Desktop Computer
* Canvas (online platform)
* Wide-ruled Spiral Notebook or Binder
* Pen or Pencil
* 16GB or 64GB USB Drive
* Online textbook

**Grading Policy** :All work will be tracked through Infinite Campus, and parents are encouraged to monitor progress regularly.

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| **Major Grades (40%)** – Tests, Projects  **Minor Grades (60%)** – Quizzes, Labs, Classwork, Homework | Grade Scale:  A: 100–90  B: 89–80  C: 79–75  D: 74–70  F: 69 and below |

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| Classroom Expectations | Best Practices for Success |
| * Be prepared, on time, and respectful * Participate in class and team activities * Engage in daily assignments and challenges * Use online tools responsibly * Clean up and shut down computers before leaving | * Review Promethean board content and online study guides * Collaborate and review assignments before submitting * Be proactive—ask questions, stay organized, take initiative * Inform the teacher if you lack home tech access |

**Policies**

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| Bathroom: One student at a time with the purple hall pass. | Food/Drink: Allowed only at the designated classroom table. |
| Late Work: After 5 days = 50% and marked incomplete  All work must be completed by end of semester | Academic Honesty: Cheating results in a zero and office referral. This includes:  Copying or sharing answers  Turning in someone else’s work |
| Tardiness: Must have a tardy pass. | Messages: Students must check Canvas and Remind regularly. |

**Classroom Contract**

I have read and understood the syllabus and agree to follow the rules and expectations outlined.

Student Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Parent Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Phone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
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