Advanced Cybersecurity Syllabus (Course Code: 11.48200)

Instructor: Ms. Lydia Prince Room: 504 Email: 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 ObjectivesAttacks, Threats, and VulnerabilitiesArchitecture and DesignImplementationOperations and Incident ResponseGovernance, 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 Units1. 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: 100–90B: 89–80C: 79–75D: 74–70F: 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
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**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 incompleteAll work must be completed by end of semester | Academic Honesty:Cheating results in a zero and office referral. This includes:Copying or sharing answersTurning 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: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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