

CENTER FOR ADVANCED TECHNICAL STUDIES COURSE SYLLABUS

CYBER SECURITY FUNDAMENTALS HONORS (CISCO)

Course: Cyber Security Fundamentals Honors (Cisco)
Teacher: John A. Johnson
E-mail: JAJohnso@Lexrich5.org
Planning period: 1A2A
Web Site: <http://www.lexrich5.org/webpages/jjohnson/>
Semesters: 1
Credits Earned: 1

Grade Scale
A = 90-100
B = 80-89
C = 70-79
D = 60-69
F = 0-59

A. Course Description

Cyber Security Fundamentals Honors is a hands-on, career-oriented learning solution with an emphasis on practical experience to help students develop specialized security skills to advance their careers. The goal of the Cyber Security Fundamentals Honors and Advanced Cyber Security Honors classes are for the student to pass the Cisco Certified Network Associate Security (CCNAS) certification exam. For the Honors Cyber Security classes there will be additional topics covered that are beyond the scope of the CCNAS exam. Some assignments will be geared toward the CompTia Security Plus certification exam.

B. Sequence of Curricular Topics

1st Nine Weeks

- 1) Modern Network Security Threats
- 2) Securing Network Devices
- 3) Authentication, Authorization, and Accounting
- 4) Implementing Firewall Technologies
- 5) Implementing Intrusion Prevention

2nd Nine Weeks

- 1) Securing the Local Area Network
- 2) Cryptographic Systems
- 3) Implementing Virtual Private Networks
- 4) Managing a Secure Network
- 5) Implementing the Cisco Adaptive Security Appliance

C. Grading Procedures

Students will be graded on a total point basis within each of three categories: tests (30%), projects (20%), homework (20%), quizzes (20%), and College & Career Readiness (10%). Test grades consist of standard pencil and paper tests as well as alternative assessments. Test grades and quiz grades are not dropped. Letter grades are assigned following the school policy. Expect a short quiz every day on the material covered the last class period.

Tests: 30%
Homework: 20%
Quizzes: 20%
Projects: 20%
College & Career Readiness: 10%

D. Late and Make-up Work

Make-up work must be completed either during class or outside of regular class periods. The school's make-up policy will be followed and can be found in the Student Handbook.

If you are absent the day an assignment is due, you are expected to turn it in the day you return to class. I will not remind you.

If you are absent you are expected to follow the school policy regarding absences. You have five days to make up work from an absence. **All work not made up within the time frame specified by school policy is assigned a grade of zero.** I will not remind you or ask for your make-up work. It is your responsibility. An assignment log will be kept in the room for you to see what assignments you may have missed and when they are due.

E. Scheduling Make-ups and Extra Assistance

Before or after school at the Center for Advanced Technical Studies from 7:45-8:15 and 3:35-4:00 or by appointment. Any student wishing to come in for academic assistance needs to sign up with Mr. Johnson.

F. Materials Needed

For this class you will need a notebook of graph paper, and a binder or folder. You may occasionally need materials for a project. You will be notified in advance. **Bring all materials to every class.**

G. Assertive Discipline Plan

Classroom Rules

- Be respectful at all times.
- Enter on time and be seated quietly.
- Raise your hand and be recognized before speaking.
- Follow directions the first time given.

Disciplinary Consequences

- First offense: Verbal warning
- Second offense: 20-minute detention after school within a week.
- Third offense: Call to parent and 30-minute detention after school within a week.
- Fourth offense: Referral to the assistant principal.

In the case of severe disruptions/problems, the above consequences may be bypassed and the student asked to report directly to the Assistant Principal.

Note to Parents

Please feel free to contact me anytime you would like an update on your child's progress. I will do my best to respond quickly to all messages. E-mail is the best way to reach me. I check my e-mail frequently. You can check your child's grades at anytime if you have Internet access. Contact the school's main office for information on how to obtain a login name and password to use this feature.

Many students find Cyber Security Fundamentals Honors to be a challenging subject. Please encourage students to ask questions if they do not understand concepts and/or to come in for extra help early on in the semester if they are having trouble.

CENTER FOR ADVANCED TECHNICAL STUDIES COURSE SYLLABUS
Cyber Security Fundamentals Honors (CISCO)

(STUDENT IS TO RETURN THIS PAGE TO TEACHER)

STUDENT TO KEEP PRECEDING PAGES IN NOTEBOOK

Student's Full Name: _____

Parent's Name(s): _____

Home Phone #: _____ Work Phone #: _____ Cell Phone #: _____

Best Time to Call: _____

Parent's Email Address: _____

I have read and am familiar with the course requirements / syllabus for Cyber Security Fundamentals.

Parent's signature

Date

Student's signature

Date

Additional information that parent wishes teacher to know: _____
