

## Introduction

### Courses: New and Previously Taught

Intro to Computer Science (.5)  
Digital Literacy (.5)  
AP Computer Science Principles  
AP English Language & Composition  
10th Grade Honors English

## English/Lang Arts

**English Classes**  
Will analyze diction, rhetoric, ethos, and the elements of argumentation in the media response to cyber security issues.



4 periods for each of the following:

- Lecture with video/slides, article analysis, discussion, and writing.
- Independent research to gather, analyze perspectives on one topic.
- Collaborate to create argumentative multimedia synthesis presentation.

## Standards/Objectives

### Nevada Academic Content Standards for English/Language Arts (NACS)

- Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the cumulative impact of specific word choices on meaning and tone.
- Determine an author's point of view or purpose in a text and analyze how an author uses rhetoric to advance that point of view or purpose.
- Analyze various accounts of a subject told in different mediums, determining which details are emphasized in each account.
- Delineate and evaluate the argument and specific claims in a text, assessing whether the reasoning is valid and the evidence is relevant and sufficient; identify false statements and fallacious reasoning.



### Nevada Academic Content Standards for Science (NVACSS)

- Analyze a major global challenge to specify qualitative and quantitative criteria and constraints for solutions that account for societal needs and wants.
- Design a solution to a complex real-world problem by breaking it down into smaller, more manageable problems that can be solved through engineering.
- Evaluate a solution to a complex real-world problem based on prioritized criteria and trade-offs that account for a range of constraints, including cost, safety, reliability, and aesthetics as well as possible social, cultural, and environmental impacts.



### Nevada Computer and Technology Standards

- Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.
- Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.
- Students apply digital tools to gather, evaluate, and use information.
- Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.
- Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.
- Students demonstrate a sound understanding of technology concepts, systems, and operations.



## Assessment

Pre-Assessment:  
Google Forms Likert,  
Multiple Choice, and  
Open-Ended Questions

Collaborative  
and Creative  
Performance  
Task  
Assessment

Post-Assessment:  
Performance Task  
Reflection and  
Google Forms  
Assessment

## Intro to CS/Digital Lit



### Semester CS Classes

Will participate in informational mini-lessons and hands-on activities in topics related to cybersecurity.

4 class periods for each of the following:

- Lecture with video/slides, hands-on project, reflection/connections.
- Collaborate to create informative video addressing cyber security concern.

## APCS Principles



### AP CS Principles Classes

Will evaluate the other classes' videos and presentations on cybersecurity in order to propose and develop an app that addresses a social problem or concern.

4 class periods for each of the following:

- Evaluate informative videos and argumentative presentations created by English and Semester CS classes.
- Collaborate to create an app that addresses a cyber security concern

This work is supported by the National Science Foundation under Grant #1542465.