

RET Site Cyber Security Initiative for Nevada Teachers (CSINT) Curriculum Integration Plan



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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

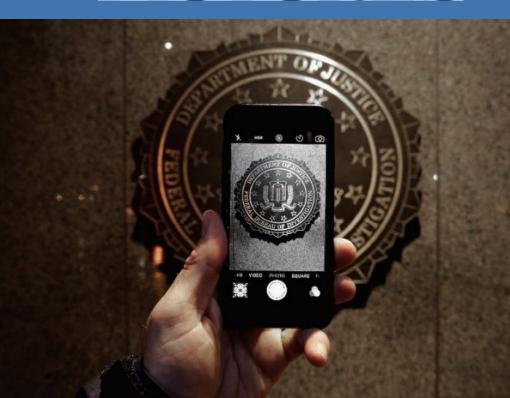
English Classes

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 say be solved through an giventing.
- 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
- 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

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