Wyoming Department of Education Required Virtual Education Course Syllabus

BIG HORN COUNTY SCHOOL DISTRICT #1

Program Name	WYCA	Content Area	Other
Course ID	CAOT74239	Grade Level	7
Course Name	Educational Technology and Online Learning 7	# of Credits	0.5
SCED Code	NoCourseSCED	Curriculum Type	Connections Academy

COURSE DESCRIPTION

Students progress to more sophisticated work in this course, including the use of electronic media and software to apply academic concepts in the creation of meaningful organizers, projects, and presentations. Students locate, retrieve, and evaluate data to construct and analyze databases. Students produce presentations on Internet safety, online predators, and cyber bullying. At the end of the course, students become effective communicators and collaborators as they plan, evaluate, and synthesize research emphasizing current issues with technology.

WYOMING CONTENT AND PERFORMANCE STANDARDS

STANDARD#	BENCHMARK

SCOPE AND SEQUENCE

UNIT OUTLINE	STANDARD#	OUTCOMES
Unit 1: Introduction This unit will provide basic computer and technology skills and information to assist you in completing work on a computer and the Internet. You will touch on the history of technology and learn about parts of computers as well as what to do when trouble occurs. You will also focus on basic keyboarding skills that will assist you not only with this course but any online computer activities in the future.		•Identify how changes in technology throughout history have impacted different aspects of the world •Identify and understand computer operating systems •Compare and contrast various input, processing, output, and storage devices •Demonstrate how to use management tools and strategies enabled by a computer's operating system •Apply troubleshooting techniques in preparation for minor computer problems that may occur
Unit 2: Microsoft® Word This unit focuses on reading and analyzing different types of texts through the many tools Microsoft® Word has to offer. Personal narratives are developed through the stages utilizing revising and editing features, highlighting, and underlining. Graphic organizers are created to compare texts as well as help structure prewriting and brainstorming. The portfolio assignment stretches across three lessons, the student will learn new skills and work to complete a personal narrative.		•Evaluate different types of text to gain meaning and understanding as a reader and a writer •Recognize different types of figurative language in texts and express this with original writing •Analyze different texts to understand the importance of organization and organizing thoughts for writing using graphic organizers within Microsoft Word •Complete the writing process of a personal narrative beginning with prewriting and following through to the rough draft and revising and editing
Unit 3: Microsoft® PowerPoint This unit focuses on creating Microsoft® PowerPoint presentations to share research and data. It combines math and language skills by providing opportunities for research and then allowing you to turn that research into observable data. The culminating activity in this unit becomes the portfolio as you work from the beginning researching a topic and then turn that into a presentation and timeline.		•Identify the changes and trends in technology over time •Observe different points of view in history and apply it to writing •Investigate probability of an action and relationships among chance happenings •Conduct Internet research and evaluate for credible and reliable sources •Organize research, convert it to data, and transfer it to a presentation and timeline format
Unit 4: Microsoft® Excel This unit contains a combination of math and research skills. Students begin the unit rounding decimals and then organizing data into input/output tables. Students also work on balancing a checkbook by inserting formulas. Then they will focus on surveys and organizing that data to create a graph. The portfolio is based on the final topic in which students create a graph from self-created surveys.		•Apply knowledge of rounding and place value to round decimal numbers •Organize data, create input/output tables, and enter and manipulate that data in an Excel workbook •Enter data and balance a checkbook by inserting formulas within Excel •Create a survey, obtain data, organize data, and input data into a workbook to evaluate information •Create and format graphs using data in a workbook
Unit 5: Study Skills This unit focuses on various strategies related to time management, organization, and goal setting. You will create diagrams, and you will use these diagrams to compare and contrast information. You will develop a study plan that will help guide you through your studies. Finally, you will explore mnemonic techniques to assist with memorization, helpful test-taking tips, and various methods of studying for tests.		•Identify and manage personal study skills, memory devices, and time management skills •Evaluate personal test-taking skills and improve upon them to develop educational goals •Evaluate purposes for a timeline •Create a timeline •Analyze data and predict trends based on online games

Unit 6: Internet Safety The focus of this unit is to provide guidance for using the Internet in a responsible way as a tool for communication, research, and collaboration—in other words, Internet safety. Good citizenship within virtual communities is presented, as well as topics such as online bullying and negative networking/gangs online. Internet safety concerns, including the importance of choosing a safe user name and keeping personal information safe from strangers, the risks associated with online shopping, and the threat of online predators, are also touched on. Finally, intellectual property and copyright concepts are discussed. You will also examine the consequences that are associated with piracy and illegal music downloading.		•Evaluate different safety rules for Internet use and clarify why safety is important when using the Internet •Compare online risks with those in real life •Reflect on what intellectual property is and how the principle is used to protect ideas •Compare plagiarism and piracy to theft in real life
Unit 7: Digital Publishing This unit contains a focus on digital publishing, in which you will conduct Boolean searches on the Internet, learn about elements of design, and complete a research project. The research project is the culminating project over several lessons. You will research an ethical implication of technology, communicate how it may positively or negatively impact stakeholders, and participate in a collaborative discussion to receive feedback from peers and use that feedback to self-evaluate and revise your work.		•Develop a research plan and conduct Internet research using Boolean strategies •Create a multimedia presentation to communicate research •Collaborate with peers to share ideas, evaluate each other's work, and receive feedback •Self-evaluate work and make revisions to reflect product criteria