

WPUSD

Technology Content Standards

Grades 6 – 8

GRADE SIX

COMPETENCY GOAL 1: Students discuss, write, and interpret issues of a technology-based society.

- 1.1 Identify examples of copyright law violations and possible penalties.
- 1.2 Understand the uses of the Internet.
- 1.3 Complete Internet safety lessons

For example: 6th grade computer students complete a 2-week curriculum on Fair use, Music Downloading and Safe Social Networking. Lesson come from Powertolearn.com.

COMPETENCY GOAL 2: The learner will demonstrate knowledge and skills by applying computer technology to create multiple paragraph expository compositions and or to create an excel spread sheet as part of a report.

- 2.1 Identify and use the functions of word processing utilities (e.g., spell check, thesaurus, grammar check, outliner, insert headers and footer) through the production of classroom assignments.
- 2.2 Use simple spreadsheet functions (build a formula into a cell, format cells, copy and paste values and formulas into cells.) Sort a selection of rows into a spreadsheet. Insert or delete rows, columns, or blocks of cells.
- 2.3 Keyboarding skills: type at a sustained rate of 15-25 words per minute, stressing accuracy over speed.

For example: Students do a report on Fast Food Nutrition in computer elective class. Report on Fast food nutrition includes 2 excel spreadsheets. Students type daily to increase their speed to a minimum of 20 wpm in computer elective class

COMPETENCY GOAL 3: The learner will use a variety of computer technologies to access, analyze, interpret, and synthesize information in order to write a research paper.

- 3.1 Use an online or software encyclopedia to assist in research.
- 3.2 Search engines
- 3.3 Build a report
- 3.4 Design and create multimedia products using a variety of sources.

For example: Students will write a research paper in their science class.

COMPETENCY GOAL 4: The student will plan and create video projects. (Optional enrichment)

- 4.1 Operate video camera.
- 4.2 Operate a digital camera.
- 4.3 Transfer digital images to the computer.

For example: Students may create a video commercial demonstrating persuasive propaganda techniques in Language arts.

COMPETENCY GOAL 5: The student will use Internet and network resources to complete a research paper in either science or social studies.

- 5.1 Choose the most appropriate information resource that matches their need.
- 5.2 Use advanced search techniques.
- 5.3 Take notes appropriately, respecting copyright and avoiding plagiarism.
- 5.4 Complete internet safety lesson.

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Technology Content Standards

GRADE SEVEN

COMPETENCY GOAL 1: The learner will understand important issues of a technology-based society and will exhibit ethical behavior in the use of computer technology by quoting internet sources in their writing while avoiding plagiarism, using proper citations on a works cited page.

- 1.1 Identify the role of technology in a variety of careers
- 1.2 Discriminate between ethical and unethical access to information stored on a computer system.

Example #1, Using MS Word and the Internet, students will write a brief research paper on different occupations that are impacted by technology. Two examples are the movie and automotive industry.

Example #2, in groups, students are to discuss and write about bullet 1.2. As you talk about the topic consider information stored on school systems (personal files, teacher files), at home (your files, parent files), within other businesses (banks, real estate, etc.) and also on Facebook, You Tube, and other social systems.

COMPETENCY GOAL 2: The learner will demonstrate knowledge and skills in using computer technology to create a multi-paragraph essay using the WPUSD Stylebook format; create, complete, and present a PowerPoint presentation on a current topic discussed in social studies; use computer lab for STAR testing.

- 2.1 Identify terms related to computer-generated productions (e.g., desktop publishing, clipart, hypertext, multi –media, laser disc, CD-ROM, VCR, Scanners, camcorders, templates, digital camera, masters, background, and color schemes.)
- 2.2 Use a spreadsheet to enter and edit data and explain the results of the operation and graph the results to produce a meaningful summary.
- 2.3 Design and create multimedia projects by using a variety of sources.
- 2.4 Plan and create video projects (Optional Enrichment).
 - Plan & create video projects
- 2.5 Keyboarding skills: Touch type at a sustained rate of 20-30 words per minute, stressing accuracy over speed.

Example #1, create a PowerPoint presentation on a current topic discussed in social studies.

Example #2, create an Excel spreadsheet and chart exploring the relationship of data. For example, comparing the population growth between 3 different states over the last one hundred years.

Example #3, plan, create, and produce a video about a character you recently read about in Language Arts.

COMPETENCY GOAL 3: The learner will use a variety of computer technologies to access, analyze, interpret, synthesize, apply, and communicate information in order to use computers to access, analyze, interpret Accelerated Math results and to write a research paper.

- 3.1 Design and create database files.
- 3.2 Sort, retrieve, and print specific records for a database file.
- 3.3 Take notes appropriately, respecting copyright and avoiding plagiarism.
- 3.4 Use technology/word processing to compose, edit, rewrite and create final draft of a research paper, including text, charts, tables and graphs.
- 3.5 Complete internet safety lesson.

Example #1, using MS Access, create a data base listing 20 students along with their home address and telephone number (you may use fictitious information). Sort the data first by last name, second by numerical address, and last by telephone number.

Example #2, using MS Word and Excel create a multi-paragraph essay using the WPUSD Stylebook format. Incorporate into the essay chart, graph, and or table.

COMPETENCY GOAL 4: The student will use Internet and network resources.

- 4.1 Choose the most appropriate information resource that matches student's need.

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Technology Content Standards

GRADE EIGHT

COMPETENCY GOAL 1: The learner will understand important issues of a technology-based society and will exhibit ethical behavior in the use of computer technology by quoting Internet sources in their writing while avoiding plagiarism, using proper citations on a works cited page.

- 1.1 Identify technological skills required for various careers.
- 1.2 Discriminate between ethical and unethical access to information stored on a computer system.
- 1.3 Take notes appropriately, respecting copyright and avoiding plagiarism.
- 1.4 Complete internet safety lesson

Example #1, Using MS Word and the Internet, students will write a brief research paper on different occupations that are impacted by technology. Two examples are the movie and automotive industry.

Example #2, in groups, students are to discuss and write about bullet 1.2. As you talk about the topic consider information stored on school systems (personal files, teacher files), at home (your files, parent files), within other businesses (banks, real estate, etc.) and also on Facebook, You Tube, and other social systems.

COMPETENCY GOAL 2: The learner will demonstrate knowledge and skills in using computer technology.

- 2.1 Use advanced word processing functions to transfer data from spreadsheets and database in work products to support their conclusions.
- 2.2 Keyboarding Skills: Touch type at a sustained rate 30-40 words per minute, stressing accuracy over speed.

Example #1, create a five-paragraph essay in the MLA format used within the WPUSD Stylebook.

COMPETENCY GOAL 3: The learner will use a variety of computer technologies to access, analyze, interpret, synthesize, apply, and communicate information.

- 3.1 Use databases for sorting and searching to solve a specific problem.
- 3.2 Create charts from spreadsheet data and be able to modify types, titles, scales, and legends for charts.

- 3.3 Suggest trends in data.
- 3.4 Use advanced search techniques using key words and phrases in electronic searching and choose the most appropriate information resource.
- 3.5 Use technology/word processing to compose, edit, rewrite and create final draft of research paper, including text, charts, tables and graphs.
- 3.6 Plan a multimedia presentation, capture images from video camera, VCR, or digital still camera.
- 3.7 Enhance a word product with text, clip art, graphs, hyperlinks, and video clips.
- 3.8 Create a simple web page. (Optional Enrichment)

Example #1, write a research paper using MS Word that includes charts and interpretation of data and then create a multi-media presentation using PowerPoint.