#### **Edgewood ISD Technology Benchmarks** 6th Grade **TEKS** (1) Foundations. The student demonstrates knowledge and appropriate use of hardware components, software programs, and their connections. The student is expected to: Fall: Students will learn the 1(A) Demonstrates knowledge and appropriate use of operating systems, software applications, and communication and networking components; foundations in the 1(B) Compares, contrast, and appropriately use the various input, processing, output, and primary/secondary storage devices;

following applications:

- Computer Basics: Past/Present/Future
- Spreadsheets
- **Basic Graphic Editing**
- **Word Processing**
- **Internet Basics**

Spring: Students will create a personal collage of themselves incorporating concepts learned in the foundations class. Example: creating tables in a word processing document, inserting pictures, creating a graph

word processor.

Virtual Simulations using the Internet

and importing in into the

- Hands on Crafts
- Multidiscipline Clearinghouse
- Create a Graph
- Scholastic
- Kids' Space

- 1(C) Demonstrates the ability to select and use software for a defined task according to quality, appropriateness, effectiveness, and efficiency;
- 1(E) Use technology terminology appropriate to the task;
- 1(F) Perform basic software application functions including, but not limited to, opening an application program and creating, modifying, printing, and saving documents;
- 1(G) Explain the differences between analog and digital technology systems and give examples of each;
- 1(H) Use terminology related to the Internet appropriately including, but not limited to, electronic mail (e-mail), Uniform Resource Locators (URLs), electronic bookmarks, local area networks (LANs), wide area networks (WANs), World Wide Web (WWW) page, and Hypertext Markup Language (HTML); and
- (2) Foundations. The student uses data input skills appropriate to the task. The student is expected to:
- 2(A) Demonstrate proficiency in the use of a variety of input devices such as mouse/track pad, keyboard, microphone, digital camera, printer, scanner, disk/disc, modem, CD-ROM, or joystick;
- 2(B) Demonstrates keyboarding proficiency in technique and posture while building speed;
- 2(C) Use digital keyboarding standards for data input such as one space after punctuation, the use of em/en dashes, and smart quotation marks; and
- 2(D) Develop strategies for capturing digital files while conserving memory and retaining image quality.
- (3) Foundations. The student complies with the laws and examines the issues regarding the use of technology in society. The student is expected to:
- 3(A) Discuss copyright laws/issues and model ethical acquisition and use of digital information, citing sources using established methods;
- 3(B) Demonstrate proper etiquette and knowledge of acceptable use while in an individual classroom, lab, or on the Internet and intranet;
- 3(C) Describes the consequences regarding copyright violations including, but not limited to, computer hacking, computer piracy, intentional virus setting, and invasion of privacy;
- 3(D) Identify the impact of technology applications on society through research, interviews, and personal observation; and
- (4) Information acquisition. The student uses a variety of strategies to acquire information from electronic resources, with appropriate supervision. The student is
- 4(B) Apply appropriate electronic search strategies in the acquisition of information including keyword and Boolean search strategies.
- (5) Information acquisition. The student acquires electronic information in a variety of formats, with appropriate supervision. The student is expected to:
- 5(A) Identify, create, and use files in various formats such as text, bitmapped/vector graphics, image, video, and audio files;
- 5(B) Demonstrate the ability to access, operate, and manipulate information from secondary storage and remote devices including CD-ROM/laser discs and on-line catalogs; and
- 5(C) Use on-line help and other documentation.
- (6) Information acquisition. The student evaluates the acquired electronic information. The student is expected to:
- 6(A) Determine and employ methods to evaluate the electronic information for accuracy and validity;
- 6(B) Resolve information conflicts and validate information through accessing, researching, and comparing data; and
- 6(C) Demonstrate the ability to identify the source, location, media type, relevancy, and content validity of available information.

- (7) Solving problems. The student uses appropriate computer-based productivity tools to create and modify solutions to problems. The student is expected to:
- 7(A) Plan, create, and edit documents created with a word processor using readable fonts, alignment, page setup, tabs, and ruler settings;
- 7(B) Create and edit spreadsheet documents using all data types, formulas and functions, and chart information;
- 7(E) Create a document using desktop publishing techniques including, but not limited to, the creation of multi-column or multi-section documents with a variety of text-wrapped frame formats;
- 7(F) Differentiate between and demonstrate the appropriate use of a variety of graphic tools found in draw and paint applications;
- 7(G) Integrate two or more productivity tools into a document including, but not limited to, tables, charts and graphs, graphics from paint or draw programs, and mail merge;
- 7(H) Use interactive virtual environments, appropriate to level, such as virtual reality or simulations;
- 7(J) Use foundation and enrichment curricula in the creation of products.
- (8) Solving problems. The student uses research skills and electronic communication, with appropriate supervision, to create new knowledge. The student is expected to:
- 8(E) Integrate acquired technology applications skills, strategies, and use of the word processor, database, spreadsheet, telecommunications, draw, paint, and utility programs into the foundation and enrichment curricula.
- (9) Solving problems. The student uses technology applications to facilitate evaluation of work, both process and product. The student is expected to:
- 9(A) Design and implement procedures to track trends, set timelines, and review/evaluate progress for continual improvement in process and product; and
- 9(B) Resolve information conflicts and validate information through research and comparison of data.
- (10) Communication. The student formats digital information for appropriate and effective communication. The student is expected to:
- 10(A) Use productivity tools to create effective document files for defined audiences such as slide shows, posters, multimedia presentations, newsletters, brochures, or reports;
- 10(C) Create a variety of spreadsheet layouts containing descriptive labels and page settings;
- 10(D) Demonstrate appropriate use of fonts, styles, and sizes, as well as effective use of graphics and page design to effectively communicate; and
- 10(E) Match the chart style to the data when creating and labeling charts.
- (11) Communication. The student delivers the product electronically in a variety of media, with appropriate supervision. The student is expected to:
- 11(A) Publish information in a variety of ways including, but not limited to, printed copy, monitor display, Internet documents, and video;
- (12) Communication. The student uses technology applications to facilitate evaluation of communication, both process and product. The student is expected to:
- 12(C) Select representative products to be collected and stored in an electronic evaluation tool; and
- 12(D) Evaluate the product for relevance to the assignment or task.

Edgewood ISD Technology Benchmarks					
	7 <sup>TH</sup> Grade	TEKS			
Fall:	Write a 3-page research paper to include a cover sheet and a bibliography. Student will use electronic	(1) Foundations. The student demonstrates knowledge and appropriate use of hardware components, software programs, and their connections. The student is expected to:			
		1(A) Demonstrates knowledge and appropriate use of operating systems, software applications, and communication and networking components;			
		1(B) Compares, contrast, and appropriately use the various input, processing, output, and primary/secondary storage devices;			
		1(C) Demonstrates the ability to select and use software for a defined task according to quality, appropriateness, effectiveness, and efficiency;			
	and library resources.	1(D) Delineate and make necessary adjustments regarding compatibility issues including, but not limited to, digital file formats and cross platform connectivity;			
	Student will use data	1(E) Use technology terminology appropriate to the task;			
	collected to create a spreadsheet that will be embedded in the document.	1(F) Perform basic software application functions including, but not limited to, opening an application program and creating, modifying, printing, and saving documents;			
		1(H) Use terminology related to the Internet appropriately including, but not limited to, electronic mail (e-mail), Uniform Resource Locators (URLs), electronic bookmarks, local area networks (LANs), wide area networks (WANs), World Wide Web (WWW) page, and Hypertext Markup Language (HTML); and			
		1(I) Compare and contrast LANs, WANs, Internet, and intranet.			
	Students will create a flyer	(2) Foundations. The student uses data input skills appropriate to the task. The student is expected to:			
	using desktop publishing. The flyer must include text,	2(A) Demonstrate proficiency in the use of a variety of input devices such as mouse/track pad, keyboard, microphone, digital camera, printer, scanner, disk/disc, modem, CD-ROM, or joystick;			
	graphics, original graphic	2(B) Demonstrates keyboarding proficiency in technique and posture while building speed;			
	and word art.	2(C) Use digital keyboarding standards for data input such as one space after punctuation, the use of em/en dashes, and smart quotation marks; and			
		2(D) Develop strategies for capturing digital files while conserving memory and retaining image quality.			
Spring:	Students will create a multimedia presentation	(3) Foundations. The student complies with the laws and examines the issues regarding the use of technology in society. The student is expected to:			
		3(A) Discuss copyright laws/issues and model ethical acquisition and use of digital information, citing sources using established methods;			
	using sound, text, graphics	3(B) Demonstrate proper etiquette and knowledge of acceptable use while in an individual classroom, lab, or on the Internet and intranet;			
	and scanned images to include a credit page where sources will be cited.	3(C) Describes the consequences regarding copyright violations including, but not limited to, computer hacking, computer piracy, intentional virus setting, and invasion of privacy;			
		(4) Information acquisition. The student uses a variety of strategies to acquire information from electronic resources, with appropriate supervision. The student is expected to:			
	Students will create a	4(A) Use strategies to locate and acquire desired information on LANs and WANs, including the Internet, intranet, and collaborative software; and			
	newsletter using desktop	4(B) Apply appropriate electronic search strategies in the acquisition of information including keyword and Boolean search strategies.			
	publishing to include	(5) Information acquisition. The student acquires electronic information in a variety of formats, with appropriate supervision. The student is expected to:			
	articles and events on a	5(A) Identify, create, and use files in various formats such as text, bitmapped/vector graphics, image, video, and audio files;			
	given topic or combination of topics. Suggested topics such as but not limited to:  • This day in history • Famous inventions	5(B) Demonstrate the ability to access, operate, and manipulate information from secondary storage and remote devices including CD-ROM/laser discs and on-line catalogs; and			
		5(C) Use on-line help and other documentation.			
		(6) Information acquisition. The student evaluates the acquired electronic information. The student is expected to:			
		6(A) Determine and employ methods to evaluate the electronic information for accuracy and validity;			
		6(B) Resolve information conflicts and validate information through accessing, researching, and comparing data; and			
	American poets				
	• Famous artists,				

composers, leaders,

mathematicians, etc...

- Sports moments that changed history
- Cultural history

- 6(C) Demonstrate the ability to identify the source, location, media type, relevancy, and content validity of available information.
- (7) Solving problems. The student uses appropriate computer-based productivity tools to create and modify solutions to problems. The student is expected to:
- 7(A) Plan, create, and edit documents created with a word processor using readable fonts, alignment, page setup, tabs, and ruler settings;
- 7(D) Demonstrate proficiency in the use of multimedia authoring programs by creating linear or non-linear projects incorporating text, audio, video, and graphics;
- 7(E) Create a document using desktop publishing techniques including, but not limited to, the creation of multi-column or multi-section documents with a variety of text-wrapped frame formats;
- 7(F) Differentiate between and demonstrate the appropriate use of a variety of graphic tools found in draw and paint applications;
- 7(G) Integrate two or more productivity tools into a document including, but not limited to, tables, charts and graphs, graphics from paint or draw programs, and mail merge;
- 7(H) Use interactive virtual environments, appropriate to level, such as virtual reality or simulations;
- 7(I) Use technical writing strategies to create products such as a technical instruction guide; and
- 7(J) Use foundation and enrichment curricula in the creation of products.
- (8) Solving problems. The student uses research skills and electronic communication, with appropriate supervision, to create new knowledge. The student is expected to:
- 8(D) Use technology in self-directed activities by sharing products for defined audiences; and
- 8(E) Integrate acquired technology applications skills, strategies, and use of the word processor, database, spreadsheet, telecommunications, draw, paint, and utility programs into the foundation and enrichment curricula.
- (9) Solving problems. The student uses technology applications to facilitate evaluation of work, both process and product. The student is expected to:
- 9(B) Resolve information conflicts and validate information through research and comparison of data.
- (10) Communication. The student formats digital information for appropriate and effective communication. The student is expected to:
- 10(A) Use productivity tools to create effective document files for defined audiences such as slide shows, posters, multimedia presentations, newsletters, brochures, or reports;
- 10(D) Demonstrate appropriate use of fonts, styles, and sizes, as well as effective use of graphics and page design to effectively communicate; and
- (11) Communication. The student delivers the product electronically in a variety of media, with appropriate supervision. The student is expected to:
- 11(A) Publish information in a variety of ways including, but not limited to, printed copy, monitor display, Internet documents, and video;
- 11(B) Design and create interdisciplinary multimedia presentations for defined audiences including audio, video, text, and graphics; and
- (12) Communication. The student uses technology applications to facilitate evaluation of communication, both process and product. The student is expected to:
- 12(C) Select representative products to be collected and stored in an electronic evaluation tool; and
- 12(D) Evaluate the product for relevance to the assignment or task.

	Edgewood ISD Technology Benchmarks						
	8 <sup>th</sup> Grade	TEKS					
E-11.	Students will create a six-	(1) Foundations. The student demonstrates knowledge and appropriate use of hardware components, software programs, and their connections. The student is expected to:					
Fall:	page web complete with text,	1(A) Demonstrates knowledge and appropriate use of operating systems, software applications, and communication and networking components;					
	sound, graphics, and	1(B) Compares, contrast, and appropriately use the various input, processing, output, and primary/secondary storage devices;					
	hyperlinks. The web will	1(C) Demonstrates the ability to select and use software for a defined task according to quality, appropriateness, effectiveness, and efficiency;					
	contain six student web	1(D) Delineate and make necessary adjustments regarding compatibility issues including, but not limited to, digital file formats and cross platform connectivity;					
	pages addressing the	1(E) Use technology terminology appropriate to the task;					
	following areas:	1(F) Perform basic software application functions including, but not limited to, opening an application program and creating, modifying, printing, and saving documents;					
	<ul> <li>Home Page</li> </ul>	1(G) Explain the differences between analog and digital technology systems and give examples of each;					
	<ul><li>Family</li><li>School</li></ul>	1(H) Use terminology related to the Internet appropriately including, but not limited to, electronic mail (e-mail), Uniform Resource Locators (URLs), electronic bookmarks, local area networks (LANs), wide area networks (WANs), World Wide Web (WWW) page, and Hypertext Markup Language (HTML); and					
	<ul> <li>Community</li> </ul>	1(I) Compare and contrast LANs, WANs, Internet, and intranet.					
	• Friends	(2) Foundations. The student uses data input skills appropriate to the task. The student is expected to:					
	<ul> <li>Hobbies /Interests / Talents</li> </ul>	2(A) Demonstrate proficiency in the use of a variety of input devices such as mouse/track pad, keyboard, microphone, digital camera, printer, scanner, disk/disc, modem, CD-ROM, or joystick;					
	The student web will contain	2(B) Demonstrates keyboarding proficiency in technique and posture while building speed;					
	hyperlinks to student	2(C) Use digital keyboarding standards for data input such as one space after punctuation, the use of em/en dashes, and smart quotation marks; and					
	portfolio items developed in	2(D) Develop strategies for capturing digital files while conserving memory and retaining image quality.					
	current & previous years	(3) Foundations. The student complies with the laws and examines the issues regarding the use of technology in society. The student is expected to:					
		3(A) Discuss copyright laws/issues and model ethical acquisition and use of digital information, citing sources using established methods;					
	Databases: The students will	3(B) Demonstrate proper etiquette and knowledge of acceptable use while in an individual classroom, lab, or on the Internet and intranet;					
	be able create a database, sort a database, print a	3(C) Describes the consequences regarding copyright violations including, but not limited to, computer hacking, computer piracy, intentional virus setting, and invasion of privacy;					
	database, and analyze a	3(D) Identify the impact of technology applications on society through research, interviews, and personal observation; and					
	database using the search	3(E) Demonstrate knowledge of the relevancy of technology to future careers, life-long learning, and daily living for individuals of all ages.					
	and sort features.  The student will be able to	(4) Information acquisition. The student uses a variety of strategies to acquire information from electronic resources, with appropriate supervision. The student is expected to:					
	search a simple database	4(A) Use strategies to locate and acquire desired information on LANs and WANs, including the Internet, intranet, and collaborative software; and					
	using at least three different	4(B) Apply appropriate electronic search strategies in the acquisition of information including keyword and Boolean search strategies.					
	comparisons.	(5) Information acquisition. The student acquires electronic information in a variety of formats, with appropriate supervision. The student is expected to:					
	The student will be able to	5(A) Identify, create, and use files in various formats such as text, bitmapped/vector graphics, image, video, and audio files;					
	sort a simple database by one field.	5(B) Demonstrate the ability to access, operate, and manipulate information from secondary storage and remote devices including CD-ROM/laser discs and on-line catalogs; and					

5(C) Use on-line help and other documentation.

Suggested topics on next page

Suggested topics such as but not limited to:

- Presidential database
- U.S. State database
- Astrological entities
- Periodic Table of Elements
- Parts of Speech in an excerpt
- AR Book database
- Favorite Team database

Spring: Video Production:
Students will collaboratively create a two minute
"finished" video.
Students will plan and storyboard their project

before production. The finished video must include digital stills, wipes, swipes, fades, transitions, and audio.

Students will collaboratively create a five minute "finished" video. Students will plan and storyboard their project before production. The finished video must include digital video, digital stills, wipes, swipes, fades, transitions, and audio.

Suggested topics such as but not limited to:

- Public Service Announcements
- Historical Reenactments

- (6) Information acquisition. The student evaluates the acquired electronic information. The student is expected to:
- 6(A) Determine and employ methods to evaluate the electronic information for accuracy and validity;
- 6(B) Resolve information conflicts and validate information through accessing, researching, and comparing data; and
- 6(C) Demonstrate the ability to identify the source, location, media type, relevancy, and content validity of available information.
- (7) Solving problems. The student uses appropriate computer-based productivity tools to create and modify solutions to problems. The student is expected to:
- 7(A) Plan, create, and edit documents created with a word processor using readable fonts, alignment, page setup, tabs, and ruler settings;
- 7(B) Create and edit spreadsheet documents using all data types, formulas and functions, and chart information;
- 7(C) Plan, create, and edit databases by defining fields, entering data, and designing layouts appropriate for reporting;
- 7(D) Demonstrate proficiency in the use of multimedia authoring programs by creating linear or non-linear projects incorporating text, audio, video, and graphics;
- 7(F) Differentiate between and demonstrate the appropriate use of a variety of graphic tools found in draw and paint applications;
- 7(G) Integrate two or more productivity tools into a document including, but not limited to, tables, charts and graphs, graphics from paint or draw programs, and mail merge;
- 7(H) Use interactive virtual environments, appropriate to level, such as virtual reality or simulations;
- 7(J) Use foundation and enrichment curricula in the creation of products.
- (8) Solving problems. The student uses research skills and electronic communication, with appropriate supervision, to create new knowledge. The student is expected to:
- 8(A) Participate with electronic communities as a learner, initiator, contributor, and teacher/mentor;
- 8(B) Complete tasks using technological collaboration such as sharing information through on-line communications;
- 8(C) Use groupware, collaborative software, and productivity tools to create products;
- 8(D) Use technology in self-directed activities by sharing products for defined audiences; and
- 8(E) Integrate acquired technology applications skills, strategies, and use of the word processor, database, spreadsheet, telecommunications, draw, paint, and utility programs into the foundation and enrichment curricula.
- (9) Solving problems. The student uses technology applications to facilitate evaluation of work, both process and product. The student is expected to:
- 9(A) Design and implement procedures to track trends, set timelines, and review/evaluate progress for continual improvement in process and product; and
- 9(B) Resolve information conflicts and validate information through research and comparison of data.
- (10) Communication. The student formats digital information for appropriate and effective communication. The student is expected to:
- 10(A) Use productivity tools to create effective document files for defined audiences such as slide shows, posters, multimedia presentations, newsletters, brochures, or reports;
- 10(B) Demonstrate the use of a variety of layouts in a database to communicate information appropriately including horizontal and vertical layouts;
- 10(C) Create a variety of spreadsheet layouts containing descriptive labels and page settings;
- 10(D) Demonstrate appropriate use of fonts, styles, and sizes, as well as effective use of graphics and page design to effectively communicate; and
- 10(E) Match the chart style to the data when creating and labeling charts.
- (11) Communication. The student delivers the product electronically in a variety of media, with appropriate supervision. The student is expected to:
- 11(A) Publish information in a variety of ways including, but not limited to, printed copy, monitor display, Internet documents, and video;
- 11(B) Design and create interdisciplinary multimedia presentations for defined audiences including audio, video, text, and graphics; and
- 11(C) Use telecommunication tools for publishing such as Internet browsers, video conferencing, or distance learning.

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•	Llooumantariac	
•	Documentaries	

- o Science Experiments
- o Historical
- o Environmental
- Video Journalism
- News Broadcast
- Societal Issues
- Pep Rally
- Sports Events
- UIL Events

- (12) Communication. The student uses technology applications to facilitate evaluation of communication, both process and product. The student is expected to:
- 12(A) Design and implement procedures to track trends, set timelines, and review and evaluate the product using technology tools such as database managers, daily/monthly planners, and project management tools;
- 12(B) Determine and employ technology specifications to evaluate projects for design, content delivery, purpose, and audience, demonstrating that process and product can be evaluated using established criteria or rubrics;
- 12(C) Select representative products to be collected and stored in an electronic evaluation tool; and
- 12(D) Evaluate the product for relevance to the assignment or task.