K-5th Prairie-Hills Elementary School District
Technology Curriculum Map

Quarter 1   **Level of Mastery**

Alignment to CCSS	Skills	K	1	2	3	4	5	Instructional Resources	Measurable Data
Basic Operations	• Turn on a computer and login.	I	R	M	M	M	M	• Computer Lab	• Informal assessment
	• Use pointing device such as a mouse to manipulate shapes, icons; click on URLs radio buttons, check boxes; use scroll bar.	I	R	M	M	M	M	• Classroom Computers • iPads • Projectors •iReady Toolbox •Online video resources	• Teacher Observation • Signed Parent/Student contract obtained from District 144 Handbook
	• Use desktop icons, windows and menus to open applications and documents.	I	R	M	M	M	M	• Microsoft Excel •Microsoft Word •PowerPoint	
	• File management – saving documents.			M		M	M		
	• Explain and use age-appropriate online tools and resources (e.g. tutorial, assessment, web browser).		R	M	M	M			
Digital Citizenship	• Explain and demonstrate compliance with classroom, school rules (Acceptable Use Policy) regarding responsible use of computers and networks.		R	M	M	M	M	• Studies Weekly •Scholastic News • Reading A-Z • Discovery Ed • ReadWorks	• Student samples • Results obtained from online resources •Informal Assessments
	• Explain responsible use of technology and digital information; describe possible consequences of inappropriate use.		R	M	M	M	M		• Signed Parent/Student contract obtained from District 144 Handbook.
	• Explain Fair Use Guidelines for the use of copyrighted materials, (e.g. text, images, music, video in student project) and giving credit to media creators.	I	R	M	M	M			

Mastery Level **I=Introduce R=Reinforce M=Mastery O=Optional**

Quarter 1 — Level of Mastery

Alignment to CCSS	Skills	K	1	2	3	4	5	Instructional Resources	Measurable Data
	• Identify and explain the strategies for the safe and efficient use of computers (e.g. passwords, virus protection software, spam filters, popup blockers).		I	R	M	M	M		
	• Identify cyber bulling and describe strategies to deal with such a situation.		R	M	M	M	M		
	• Recognize and describe risks and dangers associated with various forms of online communication.			R	M	M	M		
	• Demonstrate safe email practices, recognition of the potentially public exposure of email and appropriate email etiquette				I	R	M		
Keyboarding W6	• Proper posture and ergonomics				M	M	M	• Typing Agent Software	• Teacher Observation
	• Locate and use letter and numbers keys with left and right hand placement.				M	M	M		•Student report obtained from Typing Agent Software
	•Locate and use correct finger, hand for spacebar, return/enter and shift key.				M	M	M		
	• Gain proficiency and speed in touch typing.				M	M	M		
Multimedia and Presentation Tools W6	• Create, edit and format text on a slide				M			•Microsoft PowerPoint •Prezi	•Student work samples •STEM projects

Mastery Level I=Introduce R=Reinforce M=Mastery O=Optional

Quarter 1 — Level of Mastery

Alignment to CCSS	Skills	K	1	2	3	4	5	Instructional Resources	Measurable Data
	• Watch online videos and use play, pause, rewind and forward buttons while taking notes.					M			

Quarter 2   **Level of Mastery**

Alignment to CCSS	Skills	K	1	2	3	4	5	Instructional Resources	Measurable Data
Basic Operations	• Turn on a computer and login.							• Computer Lab	• Informal assessment
	• Use pointing device such as a mouse to manipulate shapes, icons; click on URLs radio buttons, check boxes; use scroll bar.							• Classroom Computers • iPads • Projectors •iReady Toolbox •Online video resources	• Teacher Observation • Signed Parent/Student contract obtained from District 144 Handbook
	• Use desktop icons, windows and menus to open applications and documents.							• Microsoft Excel •Microsoft Word •PowerPoint	
	• File management – saving documents.		R		M				
	• Explain and use age-appropriate online tools and resources (e.g. tutorial, assessment, web browser).		I		M				
Digital Citizenship	• Explain and demonstrate compliance with classroom, school rules (Acceptable Use Policy) regarding responsible use of computers and networks.	I						• Studies Weekly •Scholastic News • Reading A-Z • Discovery Ed • ReadWorks	• Student samples • Results obtained from online resources •Informal Assessments
	• Explain responsible use of technology and digital information; describe possible consequences of inappropriate use.	I							• Signed Parent/Student contract obtained from District 144 Handbook
	• Explain Fair Use Guidelines for the use of copyrighted materials, (e.g. text, images, music, video in student project) and giving credit to media creators.								

Mastery Level **I=Introduce R=Reinforce M=Mastery O=Optional**

Quarter 2   **Level of Mastery**

Alignment to CCSS	Skills	K	1	2	3	4	5	Instructional Resources	Measurable Data
	• Identify and explain the strategies for the safe and efficient use of computers (e.g. passwords, virus protection software, spam filters, popup blockers).								
	• Identify cyber bulling and describe strategies to deal with such a situation.	I							
	• Recognize and describe risks and dangers associated with various forms of online communication.		I						
	• Demonstrate safe email practices, recognition of the potentially public exposure of email and appropriate email etiquette								
Keyboarding W6	• Proper posture and ergonomics	I	R	M				• Typing Agent Software	• Teacher Observation
	• Locate and use letter and numbers keys with left and right hand placement.	I	R	M					•Student report obtained from Typing Agent Software
	•Locate and use correct finger, hand for spacebar, return/enter and shift key.	I	R	M					
	• Gain proficiency and speed in touch typing.	I	R	M					
Multimedia and Presentation Tools W6	• Create, edit and format text on a slide							•Microsoft PowerPoint •Prezi	•Student work samples •STEM projects
	• Watch online videos and use play, pause, rewind and forward buttons while taking notes.		R	M	M				

Mastery Level I=Introduce R=Reinforce M=Mastery O=Optional

Quarter 2 — Level of Mastery

Alignment to CCSS	Skills	K	1	2	3	4	5	Instructional Resources	Measurable Data
	• Create a series of slides and organize them to present research or convey an idea.				I			•Microsoft PowerPoint •Prezi	•Student work samples •STEM projects
Word Processing W6, RL7	• Use menu/tool bar function (e.g. fount/size/style, line spacing, margins) to format, edit and print a document.			R	M	M	M	•Microsoft Word •Reading A-Z •ReadWorks • Online videos	• Notes and other products from Defined STEM projects • Writing Samples
	• Use a word processing application to write, edit, print and save simple assignments.			M	M	M	M	• Defined STEM Online Media • PowerPoint	•results from online resources
	• Highlight text, copy and paste text.				R	M	M	•Paint • iPads	• Student work samples
	• Copy and paste images within the document and from outside sources insert and size a graphic in a document.				R	M	M	• Reading Street • Google Docs	• Informal assessments • Teacher observations
	• Proofread and edit writing using appropriate resources (e.g. dictionary, spell check, grammar and thesaurus).				R	M	M		
Research and Gathering Information RI5, RI7, RL7, W6, W10	• Use age appropriate technologies to locate, collect, organize content from media collection for specific purposes, citing sources.				M		M	•Graphic Organizer •Reading A-Z •ReadWorks • Google	• Whole class/group discussion • Student Poll
	• Evaluate teacher-selected or self-selected Internet resources in terms of their usefulness for research.				M	M	M	•Scholastic News •Studies Weekly Online	•Defined Stem notes & verbal feedback
	• Identify and analyze the purpose of a media message (to inform, persuade and entertain)				M	M	M	•Defined STEM online media	• Student work samples

Mastery Level **I=Introduce** **R=Reinforce** **M=Mastery** **O=Optional**

Quarter 2 — Level of Mastery

Alignment to CCSS	Skills	K	1	2	3	4	5	Instructional Resources	Measurable Data
Research and Gathering Information RI5, RI7, RL7, W6, W10	• Use a variety of age-appropriate technologies (e.g. drawing program, presentation software) to communicate exchange ideas.				M				• District writing assessment
RI5, RI7, RI6, RI9	• Perform basic searches on databases, (e.g. library, card catalog, encyclopedia) to locate information						M		
	• Use content specific technology tools (e.g. environmental probes, sensors, and measuring devices, simulations) to gather and analyze data.						M		
	• Use Web 2.0 tools (e.g. online discussions, blogs and wikis) to gather and share information.						M		

Mastery Level I=Introduce R=Reinforce M=Mastery O=Optional

Quarter 3 — Level of Mastery

Alignment to CCSS	Skills	K	1	2	3	4	5	Instructional Resources	Measurable Data
Basic Operations	• Turn on a computer and login.							• Computer Lab	• Informal assessment
	• Use pointing device such as a mouse to manipulate shapes, icons; click on URLs radio buttons, check boxes; use scroll bar.							• Classroom Computers • iPads • Projectors •iReady Toolbox •Online video resources	• Teacher Observation • Signed Parent/Student contract obtained from District 144 Handbook
	• Use desktop icons, windows and menus to open applications and documents.							• Microsoft Excel •Microsoft Word •PowerPoint	
	• File management – saving documents.				M				
	• Explain and use age-appropriate online tools and resources (e.g. tutorial, assessment, web browser).								
Digital Citizenship	• Explain and demonstrate compliance with classroom, school rules (Acceptable Use Policy) regarding responsible use of computers and networks.							• Studies Weekly •Scholastic News • Reading A-Z • Discovery Ed • ReadWorks	• Student samples • Results obtained from online resources •Informal Assessments
	• Explain responsible use of technology and digital information; describe possible consequences of inappropriate use.								• Signed Parent/Student contract obtained from District 144 Handbook
	• Explain Fair Use Guidelines for the use of copyrighted materials, (e.g. text, images, music, video in student project) and giving credit to media creators.								

Mastery Level I=Introduce R=Reinforce M=Mastery O=Optional

Quarter 3 | **Level of Mastery**

Alignment to CCSS	Skills	K	1	2	3	4	5	Instructional Resources	Measurable Data
	• Identify and explain the strategies for the safe and efficient use of computers (e.g. passwords, virus protection software, spam filters, popup blockers).								
	• Identify cyber bulling and describe strategies to deal with such a situation.								
	• Recognize and describe risks and dangers associated with various forms of online communication.								
	• Demonstrate safe email practices, recognition of the potentially public exposure of email and appropriate email etiquette.								
Keyboarding W6	• Proper posture and ergonomics							• Typing Agent Software	• Teacher Observation
	• Locate and use letter and numbers keys with left and right hand placement.								•Student report obtained from Typing Agent Software
	•Locate and use correct finger, hand for spacebar, return/enter and shift key.								
	• Gain proficiency and speed in touch typing.								
Multimedia and Presentation Tools W6	• Create, edit and format text on a slide					M		•Microsoft PowerPoint •Prezi •ReadWorks	•Student work samples •STEM projects
	• Watch online videos and use play, pause, rewind and forward buttons while taking notes.					M		• Studies Weekly •Scholastic News • Sway	• Student work sample

Mastery Level I=Introduce R=Reinforce M=Mastery O=Optional

Quarter 3   **Level of Mastery**

Alignment to CCSS	Skills	K	1	2	3	4	5	Instructional Resources	Measurable Data
	• Create a series of slides and organize them to present research or convey an idea.						M	• Paint Program • iPads • Online Videos	
	• Use painting and drawing tools/applications to create and edit work.				I		M		
	• Copy and paste or import graphics; change their size and position on a slide					R	M		
Word Processing W6, RL7	• Use menu/tool bar function (e.g. fount/size/style, line spacing, margins) to format, edit and print a document.							•Microsoft Word •Reading A-Z •ReadWorks • Online videos	• Notes and other products from Defined STEM projects • Writing Samples
	• Use a word processing application to write, edit, print and save simple assignments.				R			• Defined STEM Online Media • PowerPoint	•results from online resources
	• Highlight text, copy and paste text.							•Paint • iPads	• Student work samples
	• Copy and paste images within the document and from outside sources insert and size a graphic in a document.							• Reading Street	• Informal assessments • Teacher observations
	• Proofread and edit writing using appropriate resources (e.g. dictionary, spell check, grammar and thesaurus).								
Spreadsheet (Tables/Charts and Graphs) MD, RI7	• Demonstrate an understanding or the spreadsheet as a tool to record, organize and graph information.				I	R		• Microsoft Excel •Microsoft Word	• STEM project • Formal/Informal Assessment

Mastery Level I=Introduce R=Reinforce M=Mastery O=Optional

Quarter 3 — Level of Mastery

Alignment to CCSS	Skills	K	1	2	3	4	5	Instructional Resources	Measurable Data
	• Use a spreadsheet and other applications to make predications, solve problems and draw conclusions.				I	R			• Teacher Observation
	• Enter/edit data in spreadsheets and perform calculations using formulas					R			
	• Identify and explain terms and concepts related to spreadsheets (i.e. cell, column, row, values, labels, chart graph).					R			
	• Use mathematical symbols e.g. + add, - minus, *multiply, /divide, ^ exponents.					R			
Research and Gathering Information RI5, RI7, RL7, W6, W10	• Use age appropriate technologies to locate, collect, organize content from media collection for specific purposes, citing sources.		R	M		M		•Graphic Organizer •Reading A-Z •ReadWorks • Google	• Whole class/group discussion • Student Poll
RI5, RI7, RI6, RI9	• Evaluate teacher-selected or self-selected Internet resources in terms of their usefulness for research.	I	R	M				•Scholastic News •Studies Weekly Online	•Defined Stem notes & verbal feedback
	• Identify and analyze the purpose of a media message (to inform, persuade and entertain)	I	R					•Defined STEM online media	• Student work samples
	•Use a variety of age-appropriate technologies (e.g. drawing program, presentation software) to communicate exchange ideas.			R		M			• District writing assessment
	• Perform basic searches on databases, (e.g. library, card catalog, encyclopedia) to locate information.				I	R			

Mastery Level I=Introduce R=Reinforce M=Mastery O=Optional

Quarter 3 — Level of Mastery

Alignment to CCSS	Skills	K	1	2	3	4	5	Instructional Resources	Measurable Data
	• Use content specific technology tools (e.g. environmental probes, sensors, and measuring devices, simulations) to gather and analyze data.								
	• Use Web 2.0 tools (e.g. online discussions, blogs and wikis) to gather and share information.				R				
	• Create projects that use text and various forms or graphics, audio, and video, (with proper citations) to communicate ides.				R		M		
	• Use district approved Web 2.0 tools for communication and collaboration.				R		M		
	• Use teacher developed guidelines to evaluate multimedia presentations for organization, content, design, presentation and appropriateness of citations.					M	M		
	• Work collaboratively online with other students under teacher supervision						M		

Mastery Level I=Introduce R=Reinforce M=Mastery O=Optional

Quarter 4 — Level of Mastery

Alignment to CCSS	Skills	K	1	2	3	4	5	Instructional Resources	Measurable Data
Basic Operations	• Turn on a computer and login.							• Computer Lab	• Informal assessment
	• Use pointing device such as a mouse to manipulate shapes, icons; click on URLs radio buttons, check boxes; use scroll bar.							• Classroom Computers • iPads • Projectors •iReady Toolbox •Online video resources	• Teacher Observation • Signed Parent/Student contract obtained from District 144 Handbook
	• Use desktop icons, windows and menus to open applications and documents.							• Microsoft Excel •Microsoft Word •PowerPoint	
	• File management – saving documents.		I						
	• Explain and use age-appropriate online tools and resources (e.g. tutorial, assessment, web browser).								
Multimedia and Presentation Tools W6	• Create, edit and format text on a slide			I	R		M	•Microsoft PowerPoint •Prezi •ReadWorks	•Student work samples •STEM projects
	• Watch online videos and use play, pause, rewind and forward buttons while taking notes.		I					• Studies Weekly •Scholastic News • Sway	• Student work sample
	• Create a series of slides and organize them to present research or convey an idea.					R		• Paint Program • iPads • Online Videos	
	• Use painting and drawing tools/applications to create and edit work.					R			
	• Copy and paste or import graphics; change their size and position on a slide				I				

Mastery Level **I=Introduce R=Reinforce M=Mastery O=Optional**

Quarter 4 — Level of Mastery

Alignment to CCSS	Skills	K	1	2	3	4	5	Instructional Resources	Measurable Data
Word Processing W6, RL7	• Use menu/tool bar function (e.g. fount/size/style, line spacing, margins) to format, edit and print a document.		I					•Microsoft Word •Reading A-Z •ReadWorks • Online videos	• Notes and other products from Defined STEM projects • Writing Samples
	• Use a word processing application to write, edit, print and save simple assignments.	I						• Defined STEM Online Media • PowerPoint	•results from online resources
	• Highlight text, copy and paste text.		I					•Paint • iPads	• Student work samples
	• Copy and paste images within the document and from outside sources insert and size a graphic in a document.		I					• Reading Street	• Informal assessments • Teacher observations
	• Proofread and edit writing using appropriate resources (e.g. dictionary, spell check, grammar and thesaurus).		I						
Spreadsheet (Tables/Charts and Graphs) MD, RI7	• Demonstrate an understanding or the spreadsheet as a tool to record, organize and graph information.						M	• Microsoft Excel •Microsoft Word	• STEM project • Formal/Informal Assessment
	• Use a spreadsheet and other applications to make predications, solve problems and draw conclusions.						M		• Teacher Observation
	• Enter/edit data in spreadsheets and perform calculations using formulas				I		M		

Mastery Level I=Introduce R=Reinforce M=Mastery O=Optional

Quarter 4		Level of Mastery							
Alignment to CCSS	**Skills**	**K**	**1**	**2**	**3**	**4**	**5**	**Instructional Resources**	**Measurable Data**
	• Identify and explain terms and concepts related to spreadsheets (i.e. cell, column, row, values, labels, chart graph).				I		M		
	• Use mathematical symbols e.g. + add, - minus, *multiply, /divide, ^ exponents.				I		M		
Research and Gathering Information RI5, RI7, RL7, W6, W10	• Use age appropriate technologies to locate, collect, organize content from media collection for specific purposes, citing sources.	I						•Graphic Organizer •Reading A-Z •ReadWorks • Google	• Whole class/group discussion • Student Poll
RI5, RI7, RI6, RI9	• Use age appropriate technologies to locate, collect, organize content from media collection for specific purposes, citing sources.							•Scholastic News •Studies Weekly Online	•Defined Stem notes & verbal feedback
	• Identify and analyze the purpose of a media message (to inform, persuade and entertain)							•Defined STEM online media	• Student work samples
	•Use a variety of age-appropriate technologies (e.g. drawing program, presentation software) to communicate exchange ideas.		I			M			• District writing assessment
	• Perform basic searches on databases, (e.g. library, card catalog, encyclopedia) to locate information.								
	• Use content specific technology tools (e.g. environmental probes, sensors, and measuring devices, simulations) to gather and analyze data.			I	R	M			

Quarter 4

Level of Mastery

Alignment to CCSS	Skills	K	1	2	3	4	5	Instructional Resources	Measurable Data
	• Use Web 2.0 tools (e.g. online discussions, blogs and wikis) to gather and share information.			I		M			
	• Create projects that use text and various forms or graphics, audio, and video, (with proper citations) to communicate ides.			I		M			
	• Use district approved Web 2.0 tools for communication and collaboration.			I		M			
	• Use teacher developed guidelines to evaluate multimedia presentations for organization, content, design, presentation and appropriateness of citations.			I	R				
	• Work collaboratively online with other students under teacher supervision				I	R			

Mastery Level I=Introduce R=Reinforce M=Mastery O=Optional