Cardinal Pacelli Technology Curriculum

Pre-Kindergarten	**Skills** -develop skills and behaviors that will serve as a foundation for future learning. -operate the keyboard keys and mouse to use the computer as a learning tool -discuss proper use of the computer **Topics/Activities** -weekly content presented through pictorial website links via a Weebly website (content specific based on classroom curriculum)

Cardinal Pacelli Technology Curriculum

Kindergarten	**Skills**
	-develop skills and behaviors that will serve as a foundation for future learning.
	-identify the parts of the computer
	-operate the keyboard keys and mouse to use the computer as a learning tool
	-discuss ethical computer use (digital citizenship)
	-understand and demonstrate proper etiquette, behavior and body position when using computers
	-STAR Early Literacy assessment tests
	
	Topics/Activities
	-weekly content presented through pictorial website links via a Weebly website (content specific based on classroom curriculum)
	     -letter or word family practice
	     -Math activity
	     -sight word activity
	     -Science/Social Studies concept
	     -seasonal/holiday activities
	     -keyboarding skills using Keyboard Zoo website
	-STAR Early Literacy assessments given at discretion of classroom teachers

Cardinal Pacelli Technology Curriculum

1st Grade	**Skills** -build on skills learned in kindergarten -introduce login and logout of computer network -introduce proper hand positions on the keyboard for typing -introduce Windows environment -introduce presentation skills -- creating editing, formatting, inserting pictures and showing slideshows -introduce word processing skills -- editing, formatting, inserting pictures and printing of documents -introduce programming/coding skills -continue to learn concepts and terminology of computers (monitor, CPU, keyboard, mouse, printer, saving files, folders on server, use of a flash drive) -continue to discuss ethical computer use (digital citizenship) -continue to understand and demonstrate proper etiquette, behavior and body position when using computers -STAR Early Literacy and Math assessment tests **Topics/Activities** -15 minutes typing each class using the website Dance Mat Typing -creation of a presentation about the city the student lives in using Microsoft PowerPoint -editing templates in Microsoft Word that will teach students to add, edit and format words and pictures -use Microsoft Word to complete classroom assignments -introductory lesson on digital citizenship -participate in Hour of Code -STAR assessments given four times per year

2nd Grade	**Skills**
	-build on skills learned in 1st grade
	-introduce spreadsheet skills
	-continue to learn concepts and terminology of computers
	-continue learning Windows environment
	-continue learning the proper hand positions on the keyboard for typing
	-continue to discuss ethical computer use (digital citizenship)
	-continue to understand and demonstrate proper etiquette, behavior and body position when using computers
	-expand knowledge of programming/coding skills
	-expand knowledge of word processing skills
	-expand knowledge of presentation skills
	-navigate "safe" websites to gather information
	-take STAR Reading and Math assessment tests
	-take AR quizzes
	Topics/Activities
	-15 minutes typing each class using the website Dance Mat Typing
	-research and note-taking of animal using San Diego Zoo website
	-creation of presentation about student's researched animal using Microsoft PowerPoint
	-use Microsoft Word to complete classroom assignments
	-create fairy tale using online app StoryJumper
	-survey activity using Microsoft Excel
	-lesson in digital citizenship
	-participate in Hour of Code
	-introduction to code.org using course 2
	-STAR assessments given four times per year
	-AR quizzes taken as needed

3rd Grade	**Skills** -build on skills learned in 2nd grade -introduce internet URL meanings (.doc, .edu, etc) -continue to learn concepts and terminology of computers -continue learning Windows environment -continue practicing typing skills -continue to discuss ethical computer use (digital citizenship) -continue to understand and demonstrate proper etiquette, behavior and body position when using computers -expand knowledge of word processing skills -expand knowledge of presentation skills -expand knowledge of spreadsheet skills -expand knowledge of programming/coding skills -navigate "safe" websites to gather information -take STAR Reading and Math assessment tests -take AR quizzes **Topics/Activities** -15 minutes typing each class using Typing Pal -research and note-taking of a "hero" using biography websites -creation of a presentation about student's researched hero using Microsoft PowerPoint -use Microsoft Word to complete classroom assignments and complete a poetry project -creation of tables and graphs in Microsoft Excel -lesson in digital citizenship -participate in Hour of Code -continue code.org courses -STAR assessments given four times per year -AR quizzes taken as needed

4th Grade	**Skills**
	-build on skills learned in 3rd grade
	-introduce Chromebook
	-introduce Google Chrome environment
	-introduce digital citizenship
	-introduce the use of sources
	-continue to learn concepts and terminology of computers
	-continue practicing typing skills
	-continue to discuss ethical computer use (digital citizenship)
	-continue to understand and demonstrate proper etiquette, behavior and body position when using computers
	-expand knowledge of word processing skills
	-expand knowledge of presentation skills
	-expand knowledge of spreadsheet skills
	-expand knowledge of programming/coding skills
	-navigate "safe" websites to gather information
	-take STAR Reading and Math assessment tests
	-take AR quizzes
	Topics/Activities
	-15 minutes typing each class using Typing Pal
	-research and note-taking of an endangered animal
	-creation of a newspaper article about student's researched animal using Google Docs
	-use Google Docs to complete classroom assignments
	-creation of tables and graphs in Google Sheets
	-lesson in digital citizenship
	-participate in Hour of Code
	-continue code.org courses
	-STAR assessments given four times per year
	-AR quizzes taken as needed

5th Grade	**Skills**
	-build on skills learned in 4th grade
	-continue to learn about Chromebook and Google Chrome environment
	-continue to learn about digital citizenship
	-continue practicing typing skills
	-continue to discuss ethical computer use (digital citizenship)
	-continue to understand and demonstrate proper etiquette, behavior and body position when using computers
	-expand knowledge of word processing skills
	-expand knowledge of presentation skills
	-expand knowledge of spreadsheet skills
	-expand knowledge of programming skills
	-take STAR Reading and Math assessment tests
	-take AR quizzes
	Topics/Activities
	-15 minutes typing each class typing using Typing Pal
	-more in depth lessons in digital citizenship using Digital Passport
	-activity using Google Docs
	-activity using Google Slides
	-activity using Google Sheets
	-activity using readwritethink.org – create timeline for Social Studies class
	-STAR assessments given four times per year
	-AR quizzes taken as needed

6th Grade	**Skills**
	-build on skills learned in 5th grade
	-introduce website creation
	-continue practicing typing skills
	-continue to discuss ethical computer use (digital citizenship)
	-continue to understand and demonstrate proper etiquette, behavior and body position when using computers
	-expand knowledge of Chromebook and Chrome environment
	-expand knowledge of word processing skills
	-expand knowledge of presentation skills
	-expand knowledge of spreadsheet skills
	-expand knowledge of programming skills
	-expand digital citizenship
	-take STAR Reading and Math assessment tests
	-take AR quizzes
	Topics/Activities
	-15 minutes typing each class typing using Typing Pal
	-more in depth lessons in digital citizenship using Digital Compass
	-activity using Google Docs
	-activity using Google Slides
	-activity using Google Sheets preparing students for Science Fair
	-create website using Weebly - collaborate with Social Studies teacher to create a website about an historical figure
	-activity using tinkercad.com – collaborate with Math teacher to create 3D buildings and print on 3D printer
	-STAR assessments given four times per year
	-AR quizzes taken as needed