

## TECHNOLOGY PLAN ACROSS THE CURRICULUM (K—2)

GRADE →	K	1	2
<b>1<sup>ST</sup> QUARTER</b>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>Start computer</li> <li>Log on/off</li> <li>Use of mouse/ keyboard</li> </ul> <p><b>Subject area:</b> ELA</p> <p><b>Project:</b> * Example: Students will be able to open programs on the school intranet, eg. Starfall.com and practice basic phonetics interactively.</p>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>Keyboard shortcuts</li> </ul> <p><b>Skills reinforced:</b></p> <ul style="list-style-type: none"> <li>All skills learned in previous quarters.</li> </ul> <p><b>Subject area:</b> Science</p> <p><b>Project:</b> * Example: Using Kidspiration, create web illustrating life cycle of the butterfly.</p>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>Word Processing (WP) – Create and edit a simple word doc</li> </ul> <p><b>Skills reinforced:</b></p> <ul style="list-style-type: none"> <li>All skills learned in previous quarters.</li> </ul> <p><b>Subject area:</b> Math</p> <p><b>Project:</b> * Example: Create “shape bot”. Students label robot describing each shape’s attributes.</p>
<b>2<sup>ND</sup> QUARTER</b>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>Access STAS intranet</li> <li>Launch programs</li> </ul> <p><b>Skills reinforced:</b></p> <ul style="list-style-type: none"> <li>All skills learned in previous quarters</li> </ul> <p><b>Subject area:</b> Math</p> <p><b>Project:</b> * Example: Students will be able to open Rainforest-Maths.com and complete counting exercises.</p>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>File management</li> </ul> <p><b>Skills reinforced:</b></p> <ul style="list-style-type: none"> <li>All skills learned in previous quarters.</li> </ul> <p><b>Subject area:</b> ELA</p> <p><b>Project:</b> * Example: Students learn phonics by accessing starfall.com.</p>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>Will not install unlicensed copies of software on school computers</li> <li>Cut/copy/paste objects into word doc.</li> </ul> <p><b>Skills reinforced:</b></p> <ul style="list-style-type: none"> <li>All skills learned in previous quarters.</li> </ul> <p><b>Subject area:</b> SS</p> <p><b>Project:</b> * Example: Students play the “Place the State” game, levels 2, 3 to learn the location of US states.</p>

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<b>3rd QUARTER</b>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>• WWW limited access from STAS intranet</li> <li>• WWW safety rules</li> </ul> <p><b>Skills reinforced:</b></p> <ul style="list-style-type: none"> <li>• All skills learned in previous quarters.</li> </ul> <p><b>Subject area:</b> ELA/SS/Math</p> <p><b>Project:</b> * Example: Students will be able to log on to Webkinz.com, raz-kids.com, and nlvm.edu.</p>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>• Execute internet key word search</li> </ul> <p><b>Skills reinforced:</b></p> <ul style="list-style-type: none"> <li>• All skills learned in previous quarters.</li> </ul> <p><b>Subject area:</b> Math</p> <p><b>Project:</b> * Example: Students access rainforestmaths.com and do exercises on time/the clock/calendars.</p>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>• Keyboarding— Mavis Beacon</li> <li>• Use of “speedskins” to promote home keys learning</li> </ul> <p><b>Skills reinforced:</b></p> <ul style="list-style-type: none"> <li>• All skills learned in previous quarters.</li> </ul> <p><b>Subject area:</b> SCI</p> <p><b>Project:</b> * Example: Students will learn about animals on bbc.co.uk Science &amp; Nature section.</p>
<b>4<sup>th</sup> QUARTER</b>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>• Computer Art</li> <li>• Saving work in folder</li> </ul> <p><b>Skills reinforced:</b></p> <ul style="list-style-type: none"> <li>• All skills learned in previous quarters</li> </ul> <p><b>Subject area:</b> Art</p> <p><b>Project:</b> * Example: Students will be able to open art program (MS Paint, KidPix) to create original pieces of art.</p>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>• Explore CD-Rom resources (Encyclopedias etc.)</li> </ul> <p><b>Skills reinforced:</b></p> <ul style="list-style-type: none"> <li>• All skills learned in previous quarters.</li> </ul> <p><b>Subject area:</b> SS</p> <p><b>Project:</b> * Example: Students play the “Place the State” game, level 1.</p>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>• Desktop publishing (PUB)—create a simple holiday card</li> <li>• WP—format words/paragraphs</li> </ul> <p><b>Skills mastered:</b></p> <ul style="list-style-type: none"> <li>• Students touch-type at 10 WPM</li> </ul> <p><b>Skills reinforced:</b></p> <ul style="list-style-type: none"> <li>• All skills learned in previous quarters.</li> </ul> <p><b>Subject area:</b> ELA</p> <p><b>Project:</b> * Example: Students will improve their ELA skills by playing the “Spelling Match” game(grade level 2) on www.eduplace.com.</p>

## TECHNOLOGY PLAN ACROSS THE CURRICULUM (3—5)

GRADE →	3	4	5
<b>1<sup>ST</sup> QUARTER</b>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>Digital Imaging</li> <li>Send/receive e-mail</li> <li>WP—Use bullets &amp; numbering</li> </ul> <p><b>Subject area:</b> ELA</p> <p><b>Project:</b> * Example: Create business letter using Word to write persuasive letter to Pizzeria Uno urging them to use less packaging on take out orders.</p>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>Follow e-mail/internet etiquettes</li> <li>Respect confidentiality</li> <li>PUB—Create new document</li> </ul> <p><b>Subject area:</b> SS</p> <p><b>Project:</b> * Example: Students will research world regions and use tables to record their results.</p>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>Using the Windows calculator</li> <li>Select/use appropriate tech. resources to solve tasks/problems</li> <li>WP—Format text with styles</li> <li>PUB—Auto-flow text to boxes</li> <li>Spreadsheet (XL) - Basic calculations: add/subtract/multiply/divide</li> <li>Database (DB)—Create new DB. Create tables and records</li> </ul> <p><b>Skills mastered:</b></p> <ul style="list-style-type: none"> <li>Will not install unlicensed software on school computers</li> </ul> <p><b>Subject area:</b> ELA</p> <p><b>Project:</b> * Example: Students play the “Blustery Day Adjectives Game” to improve their knowledge of adjectives.</p>
<b>2<sup>ND</sup> QUARTER</b>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>Adhere to copyright standard</li> <li>WP—Adjust page settings</li> </ul> <p><b>Subject area:</b> Religion</p> <p><b>Project:</b> * Example: Research “Saint Name” on the EducateLLC portal and create a report in Word, inserting an image of the saint from clip art or the web.</p>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>Reference resources at end of PPT presentations</li> <li>PUB—Work with text</li> <li>PPT—Insert pictures</li> </ul> <p><b>Subject area:</b> Religion</p> <p><b>Project:</b> * Example: Students research the 10 Commandments on EducateLLC’s web portal and take an online multiple-choice quiz on what they have learned.</p>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>Collaborate with peers/others using web tools to investigate problems</li> <li>Web publishing—know applications used to create/maintain web sites</li> <li>WP—Find &amp; replace, insert pictures</li> <li>PUB—Format text/import text</li> <li>XL—Calculate averages</li> <li>DB—Create forms</li> </ul> <p><b>Skills mastered:</b></p> <ul style="list-style-type: none"> <li>WP—create and edit docs</li> <li>Explore CD-ROM resources (encyclopedias etc.)</li> </ul> <p><b>Subject area:</b> Math</p> <p><b>Project:</b> * Example: Students use rainforestmaths.com interactive exercises to reinforce their knowledge of volume/capacity/displacement.</p>

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<b>3rd QUARTER</b>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>• File Management</li> <li>• Using the “home” drive to store files</li> <li>• WP—Check spelling</li> </ul> <p><b>Subject area:</b> Math</p> <p><b>Project:</b> * Example: Students learn interactively about data, tallying and graphing on rainforestmaths.com, (Level 3).</p>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>• PUB—create newsletter</li> <li>• PUB—Change colors</li> <li>• PPT—Format text</li> </ul> <p><b>Subject area:</b> ELA</p> <p><b>Project:</b> * Example: Students match 1st/last syllables to make two-syllable words on the “Spelling Match” interactive game.</p>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>• Research/evaluate digital resources for accuracy/relevance to solve real-world problems</li> <li>• Create multi-media presentation</li> <li>• WP—Set tabs</li> <li>• PUB—Insert graphics</li> <li>• PPT—Insert tables and charts, preview a presentation</li> <li>• DB—Create queries</li> </ul> <p><b>Skills mastered:</b></p> <ul style="list-style-type: none"> <li>• Keyboarding and mouse skills</li> <li>• Start computer &amp; launching programs</li> </ul> <p><b>Subject area:</b> SCI</p> <p><b>Project:</b> * Example: Students research glaciers on pbs.org and launch an interactive to follow the “Live Cycle of a Glacier” and prepare a one-page report in Word.</p>
<b>4<sup>th</sup> QUARTER</b>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>• Execute Internet key word search</li> <li>• Create simple powerpoint (PPT) slide/add new slides</li> <li>• WP—Employ different page views</li> </ul> <p><b>Skills mastered:</b></p> <ul style="list-style-type: none"> <li>• Students touch-type at 20 WPM</li> </ul> <p><b>Subject area:</b> SCI</p> <p><b>Project:</b> * Example: Students watch streaming video of life cycle of the frog and complete related worksheets.</p>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>• Will not install unlicensed software on school computers</li> <li>• PUB—Insert text boxes/pages</li> <li>• PPT—Format pictures</li> </ul> <p><b>Skills mastered:</b></p> <ul style="list-style-type: none"> <li>• Students touch-type at 30 WPM</li> </ul> <p><b>Subject area:</b> SCI</p> <p><b>Project:</b> * Example: Students research dinosaurs on projectexploration.org and “build” a dinosaur on teacher.scholastic.com.</p>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>• Create/manipulate spreadsheets</li> <li>• DB—enter/analyze data</li> <li>• PUB—Add page #s</li> <li>• PPT—Employ design templates</li> <li>• XL—Find the maximum value</li> <li>• DB—Create reports</li> </ul> <p><b>Skills mastered:</b></p> <ul style="list-style-type: none"> <li>• Reference resources at end of PowerPoint presentations</li> <li>• Follow e-mail/internet etiquettes</li> <li>• Respect confidentiality</li> <li>• Students touch-type at 35 WPM</li> </ul> <p><b>Subject area:</b> SS</p> <p><b>Project:</b> * Example: Students research web resources and prepare PowerPoint presentation on the Oregon Trail.</p>

## TECHNOLOGY PLAN ACROSS THE CURRICULUM (6—8)

GRADE →	6	7	8
<b>1<sup>ST</sup> QUARTER</b>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>WP—Insert breaks</li> <li>XL—Format text</li> <li>DB—Modify/create tables</li> <li>Identify/solve routine hardware/software problems in everyday use (checking cords/power/attachment of peripherals/network connection/frozen applications etc.)</li> </ul> <p><b>Skills mastered:</b></p> <ul style="list-style-type: none"> <li>Respect confidentiality</li> </ul> <p><b>Subject area:</b> SCI</p> <p><b>Project:</b> * Example: Children prepare a multimedia presentation on coral reef marine life, including data, text and images and present it to their classmates.</p>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>WP—Employ drop caps</li> <li>XL—Move, copy and paste</li> <li>DB—Modify forms</li> <li>Participate in online discussions</li> </ul> <p><b>Skills mastered:</b></p> <ul style="list-style-type: none"> <li>References resources on last slide of presentations</li> <li>Identify appropriate, reliable web sites and information from search results</li> </ul> <p><b>Subject area:</b> Religion/SS</p> <p><b>Project:</b> * Example: Students use online resources to locate and present a PPT presentation on Early Christians and the Roman Empire.</p>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>WP—Use templates</li> <li>XL—Create formulas across worksheets</li> <li>DB—Create queries. Sort results. Add criteria</li> <li>Use collaborative online tools to share data</li> </ul> <p><b>Skills mastered:</b></p> <ul style="list-style-type: none"> <li>Follow e-mail and internet etiquettes</li> </ul> <p><b>Subject area:</b> ELA</p> <p><b>Project:</b> * Example: Use online resources to research and prepare a newsletter on the Life and Times of William Shakespeare.</p>
<b>2<sup>ND</sup> QUARTER</b>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>WP—Use headers/footers</li> <li>PUB—Check spelling, spacing</li> <li>PPT—Employ master slide</li> <li>XL—Format cells</li> <li>DB—Specify data types. Specify field properties</li> </ul> <p><b>Skills reinforced:</b></p> <ul style="list-style-type: none"> <li>Web publishing—become more familiar with applications used to create/maintain web sites</li> </ul> <p><b>Subject area:</b> SS</p> <p><b>Project:</b> * Example: Students do a WebQuest on the Great Depression, gathering information on historical people/places/buildings/events and do a graded quiz to test what was learned.</p>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>WP—draw/paint. Use tables</li> <li>PPT—Animate graphics</li> <li>XL—Add/delete rows/columns</li> <li>DB—Add/delete records</li> <li>Adhere to copyright standards</li> </ul> <p><b>Skills mastered:</b></p> <ul style="list-style-type: none"> <li>Send/receive e-mail</li> <li>Research/evaluate digital resources for accuracy/relevance to solve problems</li> </ul> <p><b>Subject area:</b> Math</p> <p><b>Project:</b> * Example: Students use BBC Bitesize: Maths “Fish Tank” game to improve their grasp of mathematical probability.</p>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>WP—Print envelopes/labels</li> <li>XL—Use absolute references</li> <li>DB—Use Boolean operators (and/or etc.). Find duplicate records</li> </ul> <p><b>Skills mastered:</b></p> <ul style="list-style-type: none"> <li>Adhere to copyright standards</li> <li>Students prepare and present a slide presentation using all skills previously learned while utilizing clear vocal delivery and appropriate body language to engage and hold their audience</li> </ul> <p><b>Subject area:</b> Religion</p> <p><b>Project:</b> * Example: Students create a multimedia presentation of the history of the Jesuit religious order (Society of Jesus), and present it to their peers.</p>

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<b>3<sup>rd</sup> QUARTER</b>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>WP—Format pages in columns</li> <li>PUB—Align/distribute/rotate text/graphics</li> <li>PPT—Rearrange slides</li> <li>XL—Adjust columns/rows</li> <li>DB—Edit/find records. Sort and filter records</li> </ul> <p><b>Skills mastered:</b></p> <ul style="list-style-type: none"> <li>Will not install unlicensed software on school computers</li> </ul> <p><b>Subject area:</b> ELA  <b>Project:</b> * Example: Using Word, students prepare a review of a children’s book they have recently enjoyed using proper layout including a header and utilizing 1.5 line spacing.</p>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>WP—Use mail merge</li> <li>PUB—Create brochure, newsletter from templates</li> <li>PPT—Create slide transitions</li> <li>XL—Use AutoFill. Use Multiple worksheets</li> <li>DB—Edit records. Find records</li> </ul> <p><b>Skills mastered:</b></p> <ul style="list-style-type: none"> <li>File management</li> <li>Use collaborative tools with peers/others to investigate problems</li> </ul> <p><b>Subject area:</b> SS  <b>Project:</b> * Example: Create a PowerPoint time-line of the Civil War with each child contributing one slide, using the “Civil War for Kids” links on Educate LLC’s portal.</p>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>WP—count words</li> <li>PUB—Change defaults. Use autoshapes</li> <li>PPT—Add speaker notes</li> <li>XL—Add comments. Employ function wizard</li> <li>DB—Create Update queries and Delete queries</li> </ul> <p><b>Skills reinforced:</b></p> <ul style="list-style-type: none"> <li>File management</li> </ul> <p><b>Skills mastered:</b></p> <ul style="list-style-type: none"> <li>Digital imaging</li> <li>Produce/communicate information/ideas in appropriate formats</li> </ul> <p><b>Subject area:</b> Math  <b>Project:</b> * Example: Students use a spreadsheet to calculate the impact of interest rates on payments for a car loan.</p>
<b>4<sup>th</sup> QUARTER</b>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>PUB—Flow text around graphics. Add tables/graphs</li> <li>PPT—Animate text</li> <li>XL—Print worksheets</li> <li>DB—Create table relationships</li> </ul> <p><b>Skills mastered:</b></p> <ul style="list-style-type: none"> <li>Explore CD-ROM resources</li> <li>Students touch-type at 40 WPM</li> </ul> <p><b>Subject area:</b> Math  <b>Project:</b> * Example: Students use the “MG-6” online strategies game to find patterns, draw diagrams, put data into a table and solve multiple step problems.</p>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>PUB—Create newsletter from scratch</li> <li>PPT—Automatic slide advance</li> <li>XL—Insert/delete worksheets</li> <li>DB—Filter records</li> </ul> <p><b>Skills reinforced:</b></p> <ul style="list-style-type: none"> <li>Explore CD-ROM resources</li> </ul> <p><b>Skills mastered:</b></p> <ul style="list-style-type: none"> <li>Execute Internet key word search</li> <li>Students touch-type at 50 WPM</li> </ul> <p><b>Subject area:</b> ELA  <b>Project:</b> * Example: Students learn to compose Haiku poems (using Word) by studying “Harry Potter Haiku” on factmonster.com.</p>	<p><b>Skills introduced:</b></p> <ul style="list-style-type: none"> <li>WP—Insert Table of Contents</li> <li>PUB—Check Design. Use Pack &amp; Go</li> <li>PPT—Create handouts, make presentations portable</li> <li>XL—Create chart. Freeze panes</li> <li>DB—Format reports. Create mailing labels</li> <li>Extract/present info. from www to support classroom curriculum</li> </ul> <p><b>Skills mastered:</b></p> <ul style="list-style-type: none"> <li>Select/use appropriate tools/technology resources to accomplish tasks/solve problems</li> <li>Students touch-type at 60 WPM</li> </ul> <p><b>Subject area:</b> SCI  <b>Project:</b> * Example: Students research a science fair project using Fairfield Public Library &amp; other online resources.</p>