

Technology Curriculum GUIDE

Curriculum Guide Contents for Grades K-8

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Technology Overview & Needs Assessment

In 1994, a group of Emanuel teachers began to work with the school board to plan for the use of computer technology within our existing curriculum. Some procedures were established for purchase of hardware, software, and furniture. An annual budget was established. A philosophy was written at that time. It said:

The computer objectives and activities we wish to promote will be **integrated into our existing curriculum**, rather than be incorporated as an additional or separate course of study. One way to do this would be to use computers to supplement the education of our children. The computers would be used to reinforce learning, supply additional learning, and promote creativity. The computer is viewed by us as a utility to facilitate those goals.

Computer can serve many purposes in a classroom. They can:

- serve as drill on skill devices (e.g. Number Munchers)
- satisfy inquiry or retrieve information (e.g. electronic references, and the internet)
- provide problem solving simulations (e.g. SimEarth)
- test and track knowledge and growth (e.g. Accelerated Reader and STAR tests)
- assist in administration (e.g. student database)
- expand creativity and share knowledge (e.g. Hyperstudio, Inspiration)
- promote communication (e.g. AppleWorks)

Therefore, we strive to develop a curriculum for technology that parallels, rather than extends, our already existing core curriculum. We see our use of computers as invaluable tools to assist the teacher and student alike in the ongoing instruction across the curriculum. Our computers are, and continue to become, an integral part of the learning process.

Needs Assessment:

As the procurement of computers and the expansion into the network continued, the issue of staff development and training became important. That is a necessary component to ensure that the instruction that corresponds with the use of technology is ongoing in all

classrooms of the school. Unified goals and objectives for the use of technology in the classrooms promoted the writing of the first computer curriculum. No official updating had been done since 1999. A revising of the computer curriculum for 2003 coincides with the first year that Emanuel has had a technology committee and will now have a full time coordinator of technology as school begins in the fall of 2003. More human resources, along with the infrastructure and equipment were seen as vital to making the connection of technology to the curriculum of Emanuel a success.

BELIEFS

Beliefs about Technology

- First - Effective use of computer technology facilitates learning.
- Second - Effective use of computer technology enhances quality of instruction.
- Third - Effective use of computer technology empowers students to be effective electronic communicators as they share God's Word in the 21st century.

Beliefs about Learning Technology

- First - Technology skills and strategies must spiral through the grades as they are taught and applied within core curricular subjects.
- Second - The effective use of technology skills is an ongoing process which is developed through active involvement and use on the part of the students in order to produce life-long learners.
- Third - The technology impetus will challenge the students, teach them to develop critical and creative thinking, and provide opportunities to develop individual life skills.

Beliefs about Instruction in Technology

- First - Effective technology instruction must progress in an orderly fashion from grade to grade.
- Second - Effective technology instruction will take into consideration both the needs and the interests of the individual student and promote authentic or real world instruction.
- Third - Effective instruction in technology skills will be integrated across the curriculum in order for students to apply those skills in other subject areas.
- Fourth - Technology standards must be met and their attainment assessed through multiple methods.

Standards Comparison/Terminology

The WI state standards for technology (ITL-Information and Technology Literacy), the McRel standards for technology, the WELS standards for student technology, and the ISTE standards (International Society for Technology in Education) were compared by the curriculum committee.

The standards chosen for this document are based on ISTE standards as modified through the WELS TECH task force in the production of suggested standards for technology in our schools (2000).

- The six technology standards are content standards in that they describe the knowledge and skills a student should attain.
- The performance indicators are listed as sub groupings of each standards. These are termed benchmarks in other curricular documents. Performance indicator as a term better describes how we view these subsets of the standards or goals.
- The skills are listed in another column following the performance indicators so that teachers at each grade level may, at a glance, identify the specific skills they are responsible for introducing at their grade level. All listed skills are, thus, entry level or introductory level skills.

General Concerns

On the chart listing the standards, performance indicators, and skills the committee chose not to repeat two practical concerns for use of computers at every level. Those are listed here:

- All students will refrain from any eating or drinking (this refers especially to the chocolate milk at break times) in the Lab or near the computer counters in the room. Cartons of milk should not be set down on the computer counters, nor should a student be drinking as he watches a student work in front of him on a computer. Teachers are reminded to enforce this policy.

- While it is normal for the younger students to want to point to things on the screen, it is not a good idea that they learn to touch the screen. The screens on the laptops must not have fingers poking and touching them. The effect made by touching them is the same effect that causes them to fail sooner. They are much of the cost of the laptop. Good habits start early.

Other concerns such as these will be addressed on the Acceptable Use Policy (AUP) that all 5-8 graders will sign and have their parents sign as well. K-4 will require parental signature. There will be no computer use in the classroom for the child until that agreement has been signed. It is enclosed on the following page for your familiarity.

Students may access the internet only when a teacher is in the classroom and acting in a supervisory role. We encourage teachers to use preselected sites to provide reliable and safe information for students to use, but it is also necessary for students to learn how to search using the engines and directories on the net. Teachers will be supervising that activity as it occurs. In accordance with the CIPA (Children's Internet Protection Act) we will do all we can to protect the child from:

1. Obscenity
2. Child Pornography
3. Materials harmful to minors

This is the categorization from the law itself. Note that these categories according to the CIPA refer only to pictures, not text. We would include the text as objectionable as well and it will be avoided, of course, in our setting.

In accordance with the Erate and TEACH agencies, from which we receive funds to help operate our network, we have installed a content filtering agent on the internet material that comes into our server. These devices are not fool proof, and it is still important for teachers and parents alike to teach children to discern what is right and wrong with the material that surrounds us daily in this age of information.

Downloading of any media format from the Internet will be done only in connection with assigned projects and activities. Students will be issued a student document on the server to house school related projects and are not allowed to add extraneous material not related to those projects to their file. Those abusing the rules will lose the site on the server for a time deemed reasonable by the teacher/technology coordinator.

At this time we do not use in school student e-mail accounts. Students will not use internet based e-mail from Emanuel. During projects when e-mail becomes necessary, the classroom teacher will consult with the technology coordinator and will set up temporary use to facilitate the needs.

The use of chat rooms in school is strictly forbidden except in the case of a teacher lead project with the teacher as a participant.

Students are instructed in the careful and responsible use of all school hardware and software. Abuse of same will result in suspension of use of materials for a time deemed appropriate by the teacher/technology coordinator, as well as cost to replace broken hardware or software in cases of abuse. Software may not be brought to school and loaded onto any computer in the building.

Our school web site at www.emanuelnl.org features student work and pictures of activities. First names only will be used when photos or work is shown and identified. Students are asked if their items or photos are being considered for use of the page. If parents are opposed to this, it is suggested that a conversation be held so that if a child is asked in school whether they want to be featured in this way, they are comfortable with the response.

_____I support this Acceptable Use Policy and my child(ren) may participate in technology at Emanuel as indicated by the policy.

Parental Signature _____

Student Signature _____
(Grades 5-8)

We have every confidence that our students and teachers are and will continue to be responsible users of the gifts of technology at Emanuel.

Written by Emanuel Technology Committee/ Technology Coordinator

Approved by Emanuel Lutheran School Committee on April 22,2003

INTENT - - (STANDARDS)

for grades K-8 Technology

Standard: 1 - Students understand the blessings of technology systems and demonstrate proficiency in its use.

Standard: 2 - Students understand and practice ethical, moral, and God pleasing use of technology systems, information, and software.

Standard: 3 - Students use technology tools to work collaboratively, to enhance life long learning, to increase productivity, and to produce creative works reflecting proper Christian attitudes.

Standard: 4 - Students use telecommunication media and formats to communicate information and ideas effectively to multiple audiences.

Standard: 5 - Students use a variety of technology tools and media to access, analyze, interpret, synthesize, apply, and communicate information.

Standard: 6 - Students use technology for problem solving, making informed decisions, and preparing them for citizenship on earth and eternity in heaven.

**INTENT - - (STANDARDS with
PERFORMANCE INDICATORS)**

for grades K-8 Technology

Standards 2.1, 2.2, 2.3

Standard: 2.1 - Students understand the blessings of technology systems and demonstrate proficiency in its use.

2.1.1 Use keyboards and other common input and output devices (e.g., mouse, keyboard, remote control, monitor, printer) to successfully operate computers, VCRs, audio tapes, and other technologies.

2.1.2 Use a variety of media and technology resources for directed and independent learning activities.

2.1.3 Communicate about technology using developmentally appropriate and accurate terminology.

2.1.4 Use developmentally appropriate multimedia resources (e.g., interactive books, educational software, elementary multimedia encyclopedias) to support learning.

Standard: 2.2 - Students understand and practice ethical, moral, and God pleasing use of technology systems, information, and software.

2.2.1 Work cooperatively and collaboratively with peers, family members, and others when using technology in the classroom.

2.2.2 Demonstrate positive social and ethical behaviors when using technology.

2.2.3 Practice responsible use of technology systems and software.

Standard: 2.3 - Students use technology tools to work collaboratively, to enhance life long learning, to increase productivity, and to produce creative works reflecting proper Christian attitudes.

2.3.1 Use a variety of media and technology resources for directed and independent learning activities.

2.3.2 Create developmentally appropriate multimedia products with support from teachers, family members, or student partners.

2.3.3 Use technology resources (e.g., puzzles, logical thinking programs, writing tools, digital cameras, drawing tools) for problem solving, communication, and illustration of thoughts, ideas, and stories.

INTENT - - (STANDARDS with PERFORMANCE INDICATORS)

for grades K-8 Technology

Standards 2.4, 2.5, 2.6

Standard: 2.4 - Students use telecommunication media and formats to communicate information and ideas effectively to multiple audiences.

2.4.1 Use technology resources (e.g., puzzles, logical thinking programs, writing tools, digital cameras, drawing tools) for problem solving, communication, and illustration of thoughts, ideas, and stories.

2.4.2 Gather information and communicate with others using telecommunications, with support from teachers, family members, or student partners.

Standard: 2.5 - Students use a variety of technology tools and media to access, analyze, interpret, synthesize, apply, and communicate information.

2.5.1 Use technology resources (e.g., puzzles, logical thinking programs, writing tools, digital cameras, drawing tools) for problem solving, communication, and illustration of thoughts, ideas, and stories.

Standard: 2.6 - Students use technology for problem solving, making informed decisions, and preparing them for citizenship on earth and eternity in heaven.

2.6.1 Use technology resources (e.g., puzzles, logical thinking programs, writing tools, digital cameras, drawing tools) for problem solving, communication, and illustration of thoughts, ideas, and stories.

**INTENT - - (STANDARDS with
PERFORMANCE INDICATORS)**

for grades K-8 Technology

Standards 5.1, 5.2, 5.3

Standard: 5.1 - Students understand the blessings of technology systems and demonstrate proficiency in its use.

5.1.1 Use keyboards and other common input and output devices (including adaptive devices when necessary) efficiently and effectively.

5.1.2 Discuss common uses of technology in daily life and the advantages and disadvantages those uses provide.

5.1.3 Use developmentally appropriate multimedia resources (e.g. educational software, multimedia encyclopedias) to support learning.

Standard: 5.2 - Students understand and practice ethical, moral, and God-pleasing use of technology systems, information, and software.

5.2.1 Discuss common uses of technology in daily life and the advantages and disadvantages those uses provide.

5.2.2 Discuss basic issues related to responsible use of technology and information and describe personal consequences of inappropriate use.

Standard: 5.3 - Students use technology tools to work collaboratively, to enhance life-long learning, to increase productivity, and to produce creative works reflecting proper Christian attitudes.

5.3.1 Use general purpose productivity tools and peripherals to support personal productivity, remediate skill deficits, and facilitate learning throughout the curriculum.

5.3.2 Use technology tools (e.g. multimedia authoring, presentation, Web tools, digital cameras, scanners) for individual and collaborative writing, communications, and publishing activities to create knowledge products for audiences inside and outside the classroom.

INTENT - - (STANDARDS with PERFORMANCE INDICATORS)

for grades K-8 Technology

Standards 5.4, 5.5, 5.6

Standard: 5.4 - Students use telecommunication media and formats to communicate information and ideas effectively to multiple audiences.

5.4.1 Use technology tools (e.g. multimedia authoring, presentation, Web tools, digital cameras, scanners) for individual and collaborative writing, communications, and publishing activities to create knowledge products for audiences inside and outside the classroom.

5.4.2 Use telecommunications efficiently and effectively to access remote information, communicate with others in support of direct and independent learning, and pursue personal interests.

5.4.3 Use telecommunications and online resources (e.g. e-mail, online discussions, Web environments) to participate in collaborative problem-solving activities for the purpose of developing solutions or products for audiences inside and outside the classroom.

Standard: 5.5 - Students use a variety of technology tools and media to access, analyze, interpret, synthesize, apply, and communicate information.

5.5.1 Use telecommunications and online resources (e.g. e-mail, online discussions, Web environments) to participate in collaborative problem-solving activities for the purpose of developing solutions or products for audiences inside and outside the classroom.

5.5.2 Use technology resources (e.g. calculators, data collection probes, videos, educational software) for problem solving, self-directed learning, and extended learning activities.

5.5.3 Determine when technology is useful and select the appropriate tool(s) and technology resources to address a variety of tasks and problems.

Standard: 5.6 - Students use technology for problem solving, making informed decisions, and preparing them for citizenship on earth and eternity in heaven.

5.6.1 Use technology resources (e.g. calculators, data collection probes, videos, educational software) for problem solving, self-directed learning, and extended learning activities.

5.6.2 Determine when technology is useful and select the appropriate tool(s) and technology resources to address a variety of tasks and problems.

5.6.3 Evaluate the accuracy, relevance, appropriateness, comprehensiveness, and bias of electronic information sources.

INTENT - - (STANDARDS with PERFORMANCE INDICATORS)

for grades K-8 Technology

Standards 8.1, 8.2, 8.3

Standard: 8.1 - Students understand the blessings of technology systems and demonstrate proficiency in its use.

8.1.1 Demonstrate an understanding of concepts underlying hardware, software, and connectivity, and of practical applications to problem solving.

8.1.2 Apply strategies for identifying and solving routine hardware and software problems that occur during everyday use.

Standard: 8.2 - Students understand and practice ethical, moral, and God-pleasing use of technology systems, information, and software.

8.2.1 Exhibit legal and ethical behaviors when using information and technology, and discuss consequences and misuse.

8.2.2 Demonstrate knowledge of current changes in information technologies and the effect those changes have on the workplace and society.

8.2.3 Research and evaluate the accuracy, relevance appropriateness, comprehensiveness, and bias of electronic information sources concerning real-world problems.

Standard: 8.3 - Students use technology tools to work collaboratively, to enhance life-long learning, to increase productivity, and to produce creative works reflecting proper Christian attitudes.

8.3.1 Use concept-specific tools, software, and simulations (e.g. environmental probes, graphing calculators, exploratory environments, Web tools) to support learning and research.

8.3.2 Apply productivity/multimedia tools and peripherals to support personal productivity, group collaboration, and learning throughout the curriculum.

INTENT - - (STANDARDS with PERFORMANCE INDICATORS)

for grades K-8 Technology

Standards 8.4 ,8.5

Standard: 8.4 - Students use telecommunication media and formats to communicate information and ideas effectively to multiple audiences.

8.4.1 Design, develop, publish and present products (e.g. Web pages, videotapes) using technology resources that demonstrate and communicate curriculum concepts to audiences inside and outside the classroom.

8.4.2 Collaborate with peers, experts, and others using telecommunications and collaborative tools to investigate curriculum-related problems, issues, and information, and to develop solutions or products for audiences inside and outside the classroom.

Standard: 8.5 - Students use a variety of technology tools and media to access, analyze, interpret, synthesize, apply, and communicate information.

8.5.1 Use concept-specific tools, software, and simulations (e.g. environmental probes, graphing calculators, exploratory environments, Web tools) to support learning and research.

8.5.2 Design, develop, publish and present products (e.g. Web pages, videotapes) using technology resources that demonstrate and communicate curriculum concepts to audiences inside and outside the classroom.

8.5.3 Collaborate with peers, experts, and others using telecommunications and collaborative tools to investigate curriculum-related problems, issues, and information, and to develop solutions or products for audiences inside and outside the classroom.

8.5.4 Select and use appropriate tools and technology resources to accomplish a variety of tasks and solve problems.

8.5.5 Research and evaluate the accuracy, relevance appropriateness, comprehensiveness, and bias of electronic information sources concerning real-world problems.

INTENT - - (STANDARDS with PERFORMANCE INDICATORS)

for grades K-8 Technology

Standards 8.6

Standard: 8.6 - Students use technology for problem solving, making informed decisions, and preparing them for citizenship on earth and eternity in heaven.

8.6.1 Apply productivity/multimedia tools and peripherals to support personal productivity, group collaboration, and learning throughout the curriculum.

8.6.2 Design, develop, publish and present products (e.g. Web pages, videotapes) using technology resources that demonstrate and communicate curriculum concepts to audiences inside and outside the classroom.

8.6.3 Select and use appropriate tools and technology resources to accomplish a variety of tasks and solve problems.

8.6.4 Demonstrate an understanding of concepts underlying hardware, software, and connectivity, and of practical applications to problem solving.

8.6.5 Research and evaluate the accuracy, relevance appropriateness, comprehensiveness, and bias of electronic information sources concerning real-world problems.

RESOURCE LOCATION

Instructional Materials for Meeting Standards and Performance Indicators for grades K-8

Standard:1 - Students understand the blessings of technology systems and demonstrate proficiency in its use.

Grade(s) used:	List of Available Instructional Software:	Teacher Resources: Check Out in School Library
K	Developmentally appropriate learning software	Project-Based Learning Using Information Technology Spreadsheet Magic
1-8	AppleWorks	Making the Most of AppleWorks 6
1-8	HyperStudio	HyperStudio for Terrified Teachers 3-5, 6-8
1-8	Kidspiration or Inspiration	But How Do I Use HyperStudio with Kids?
1-8	Electronic Encyclopedias	HyperStudio in One Hour
K-8	Accelerated Reader	Classrooms Ideas Using Inspiration:For Teachers
1-4	Accelerated Math	by Teachers
1-8	STAR Reading/STAR Math	Achieving Standards with Inspiration 7
K	Kid Keys	Make It with Inspiration
1-2	Paws in Typing Town	Kidspiration Activity Book
3-5	Typing Tutor 7	Managing Technology in the 1,2,3 Computer Classroom
6-8	Microtype MultiMedia	
K-8	Internet Explorer	Connecting Curriculum and Technology (ISTE)
		Websites like: LoTi at www.learning-quest.com Marco Polo at www.marcopolo-education.org Teacher Favorites at www.emanuelnl.org

During the year, teachers are encouraged to add additional instructional materials (or portions of them) that are used to effectively meet this standard and its performance indicators.

Grade: List additional instructional materials below. List performance indicators.

>	>	1. ___
>	>	1. ___

The above additional materials should be added to a June revision of the Emanuel Technology Curriculum Guide each year.

RESOURCE LOCATION

Instructional Materials for Meeting Standards and Performance Indicators for grades K-8

Standard: 2 - Students understand and practice ethical, moral, and God pleasing use of technology systems, information, and software.

Grade(s) used:	List of Available Instructional Software:	Teacher Resources: Check Out in School Library
K	Developmentally appropriate learning software	Project-Based Learning Using Information Technology Spreadsheet Magic
1-8	AppleWorks	Making the Most of AppleWorks 6
1-8	HyperStudio	HyperStudio for Terrified Teachers 3-5, 6-8
1-8	Kidspiration or Inspiration	But How Do I Use HyperStudio with Kids?
1-8	Electronic Encyclopedias	HyperStudio in One Hour
K-8	Accelerated Reader	Classrooms Ideas Using Inspiration:For Teachers
1-4	Accelerated Math	by Teachers
1-8	STAR Reading/STAR Math	Achieving Standards with Inspiration 7
K	Kid Keys	Make It with Inspiration
1-2	Paws in Typing Town	Kidspiration Activity Book
3-5	Typing Tutor 7	Managing Technology in the 1,2,3 Computer
6-8	Microtype MultiMedia	Classroom
K-8	Internet Explorer	Connecting Curriculum and Technology (ISTE)
		Websites like: LoTi at www.learning-quest.com Marco Polo at www.marcopolo-education.org Teacher Favorites at www.emanuelnl.org

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Grade: List additional instructional materials below. List performance indicators.

>	>	2. __
>	>	2. __

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RESOURCE LOCATION

Instructional Materials for Meeting Standards and Performance Indicators for grades K-8

Standard: 3 - Students use technology tools to work collaboratively, to enhance life long learning, to increase productivity, and to produce creative works reflecting proper

Christian attitudes.

Grade(s) used:	List of Available Instructional Software:	Teacher Resources: Check Out in School Library
K	Developmentally appropriate learning software	Project-Based Learning Using Information Technology Spreadsheet Magic
1-8	AppleWorks	Making the Most of AppleWorks 6
1-8	HyperStudio	HyperStudio for Terrified Teachers 3-5, 6-8 But How Do I Use HyperStudio with Kids?
1-8	Kidspiration or Inspiration	HyperStudio in One Hour
1-8	Electronic Encyclopedias	Classrooms Ideas Using Inspiration:For Teachers
K-8	Accelerated Reader	by Teachers
1-4	Accelerated Math	IAchieving Standards with Inspiration 7
1-8	STAR Reading/STAR Math	Make It with Inspiration
K	Kid Keys	Kidspiration Activity Book
1-2	Paws in Typing Town	Managing Technology in the 1,2,3 Computer Classroom
3-5	Typing Tutor 7	Connecting Curriculum and Technology (ISTE)
6-8	Microtype MultiMedia	
K-8	Internet Explorer	

Websites like:

- LoTi at www.learning-quest.com
- Marco Polo at www.marcopolo-education.org
- Teacher Favorites at www.emanuelnl.org

During the year, teachers are encouraged to add additional instructional materials (or portions of them) that are used to effectively meet this standard and its performance indicators.

Grade: List additional instructional materials below. List performance indicators.

> > 3. __

> > 3. __

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RESOURCE LOCATION

**Instructional Materials
 for Meeting Standards and Performance Indicators
 for grades K-8**

Standard: 4 - Students use telecommunication media and formats to communicate information and ideas effectively to multiple audiences.

Grade(s) used:	List of Available Instructional Software:	Teacher Resources: Check Out in School Library
K	Developmentally appropriate learning software	Project-Based Learning Using Information Technology Spreadsheet Magic
1-8	AppleWorks	Making the Most of AppleWorks 6
1-8	HyperStudio	HyperStudio for Terrified Teachers 3-5, 6-8 But How Do I Use HyperStudio with Kids?
1-8	Kidspiration or Inspiration	HyperStudio in One Hour
1-8	Electronic Encyclopedias	Classrooms Ideas Using Inspiration:For Teachers by Teachers
K-8	Internet Explorer	Achieving Standards with Inspiration 7 Make It with Inspiration Kidspiration Activity Book Managing Technology in the 1,2,3 Computer Classroom Connecting Curriculum and Technology (ISTE)
		Websites like: LoTi at www.learning-quest.com Marco Polo at www.marcopolo-education.org Teacher Favorites at www.emanuelnl.org

During the year, teachers are encouraged to add additional instructional materials (or portions of them) that are used to effectively meet this standard and its performance indicators.

Grade: List additional instructional materials below. List performance indicators.

>	>	4. __
>	>	4. __

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RESOURCE LOCATION

**Instructional Materials
 for Meeting Standards and Performance Indicators
 for grades K-8**

Standard: 5 - Students use a variety of technology tools and media to access, analyze, interpret, synthesize, apply, and communicate information.

Grade(s) used:	List of Available Instructional Software:	Teacher Resources: Check Out in School Library
K	Developmentally appropriate learning software	Project-Based Learning Using Information Technology Spreadsheet Magic
1-8	AppleWorks	Making the Most of AppleWorks 6
1-8	HyperStudio	HyperStudio for Terrified Teachers 3-5, 6-8 But How Do I Use HyperStudio with Kids?
1-8	Kidspiration or Inspiration	HyperStudio in One Hour
1-8	Electronic Encyclopedias	Classrooms Ideas Using Inspiration:For Teachers by Teachers
K-8	Internet Explorer	Achieving Standards with Inspiration 7 Make It with Inspiration Kidspiration Activity Book Managing Technology in the 1,2,3 Computer Classroom Connecting Curriculum and Technology (ISTE)
		Websites like: LoTi at www.learning-quest.com Marco Polo at www.marcopolo-education.org Teacher Favorites at www.emanuelnl.org

During the year, teachers are encouraged to add additional instructional materials (or portions of them) that are used to effectively meet this standard and its performance indicators.

Grade: List additional instructional materials below. List performance indicators.

>	>	5. __
>	>	5. __

The above additional materials should be added to a June revision of the Emanuel Technology Curriculum Guide each year.

RESOURCE LOCATION

**Instructional Materials
 for Meeting Standards and Performance Indicators
 for grades K-8**

Standard: 6 - Students use technology for problem solving, making informed decisions, and preparing them for citizenship on earth and eternity in heaven.

Grade(s) used:	List of Available Instructional Software:	Teacher Resources: Check Out in School Library
K	Developmentally appropriate learning software	Project-Based Learning Using Information Technology Spreadsheet Magic
1-8	AppleWorks	Making the Most of AppleWorks 6
1-8	HyperStudio	HyperStudio for Terrified Teachers 3-5, 6-8
1-8	Kidspiration or Inspiration	But How Do I Use HyperStudio with Kids?
1-8	Electronic Encyclopedias	HyperStudio in One Hour
K-8	Internet Explorer	Classrooms Ideas Using Inspiration:For Teachers by Teachers
		Achieving Standards with Inspiration 7
		Make It with Inspiration
		Kidspiration Activity Book
		Managing Technology in the 1,2,3 Computer Classroom
		Connecting Curriculum and Technology (ISTE)
		Websites like:
		LoTi at www.learning-quest.com
		Marco Polo at www.marcopolo-education.org
		Teacher Favorites at www.emanuelnl.org

During the year, teachers are encouraged to add additional instructional materials (or portions of them) that are used to effectively meet this standard and its performance indicators.

Grade: List additional instructional materials below. List performance indicators.

>	>	6. __
>	>	6. __

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