School District of Chilton Information and Technology Curriculum K-8

Aligned with: WI Information Technology Literacy Standards
                WI Standards for Business & Information Technology
                ISTE NETS-S
                AASL Standards for the 21st-Century Learner
                CCSS – ELA

Spring 2014

General Strands through Grade Levels and their Correlation to
National Education Technology Standards and Performance
Indicators for Students (NETS- S) and the
**American Association of School Librarians Standards for the 21ˢᵗ-
Century Learner**

LMC Strands:

LM STRAND - Library Behaviors and Skills (Gr. K-2) / Library Skills (Gr. 3-6)
(WITL 1:1:A, 1:1:B, 1:1:C, 1:1:D, 2:1:A, 3:1:D, 4:1:A)
NETS: Research and Information Fluency
NETS: Critical Thinking, Problem Solving, and Decision Making
NETS: Digital Citizenship
NETS: Technology Operations and Concepts
AASL: Inquire, think critically, and gain knowledge.
AASL: Draw conclusions, make informed decisions, apply knowledge to new situations,
        and create new knowledge.
AASL: Share knowledge and participate ethically and productively as members of our
        democratic society.
AASL: Pursue personal and aesthetic growth.

LM STRAND – Reference and Research Resources (Gr. 1-8) (N/A for Kindergarten)
(WITL 1:2:A, 1:2:B, 1:2:C, 1:2:D, 1:2:E, 1:2:F, 2:2:A, 2:2:B, 2:2:C, 2:2:D, 2:2:E, 3:2:A, 3:2:B,
3:2:C, 3:2:D, 3:2:E, 3:2:F, 4:2:A, 4:2:B, 4:2:C, 4:2:D)
NETS: Creativity and Innovation
NETS: Communication and Collaboration
NETS: Research and Information Fluency
NETS: Critical Thinking, Problem Solving and Decision Making
NETS: Digital Citizenship
NETS: Technology Operations and Concepts
AASL: Inquire, think critically, and gain knowledge.
AASL: Draw conclusions, make informed decisions, apply knowledge to new situations,
        and create new knowledge.
AASL: Share knowledge and participate ethically and productively as members of our
        democratic society.
AASL: Pursue personal and aesthetic growth.

LM STRAND – Author Study (Gr. K-8)
(WITL 1:1:A, 2:1:A, 3:1:B, 4:1:A)
NETS: Creativity and Innovation
NETS: Critical Thinking, Problem Solving, and Decision Making
AASL: Inquire, think critically, and gain knowledge.
AASL: Draw conclusions, make informed decisions, apply knowledge to new situations,
        and create new knowledge.
CC.RI

LM STRAND – Fiction and Nonfiction (Gr. K-2) / Genre Study (Gr. K-8)
(WITL 1:1:A, 1:1:B, 2:1:A, 3:1:B, 3:1:C, 3:1:D, 4:1:A)
NETS: Creativity and Innovation
NETS: Research and Information Fluency
NETS: Critical Thinking, Problem Solving, and Decision Making
AASL: Inquire, think critically, and gain knowledge.
AASL: Draw conclusions, make informed decisions, apply knowledge to new situations, and create new knowledge.
AASL: Share knowledge and participate ethically and productively as members of our democratic society.
AASL: Pursue personal and aesthetic growth.

Technology Strands:

TECH STRAND – Basic Computer Skills and Keyboarding (Gr. K-8)
(WITL 1:1:A, 1:1:B, 2:1:A, 3:1:B, 3:1:C, 3:1:D, 4:1:A)
(WSB&IT: BC1-2, IT1:a)
NETS: Communication and Collaboration
NETS: Digital Citizenship
NETS: Technology Operations and Concepts
AASL: Share knowledge and participate ethically and productively as members of our democratic society.

TECH STRAND – Computer Applications and Software (Gr. K-8)
(WITL 1:1:C, 1:1:F, 2:1:A, 2:1:B, 2:1:C, 2:1:D, 3:1:B, 3:1:C, 3:1:E, 4:1:B, 4:1:D, 4:1:E)
(WSB&IT BCA2, DGC1-4, IT1:b-f, IT2a-b, IT3a-b, NT1a-b, NT3b-c, PR1a-c)
NETS: Creativity and Innovation
NETS: Communication and Collaboration
NETS: Critical Thinking, Problem Solving, and Decision Making
NETS: Digital Citizenship
NETS: Technology Operations and Concepts
AASL: Inquire, think critically, and gain knowledge.
AASL: Draw conclusions, make informed decisions, apply knowledge to new situations, and create new knowledge.
AASL: Share knowledge and participate ethically and productively as members of our democratic society.
AASL: Pursue personal and aesthetic growth.

TECH STRAND – Reference and Research Technology Skills (Gr. 1-8)
(N/A for Kindergarten)
(WITL 1:1:A, 1:1:B, 1:1:C, 1:1:D, 1:1:E, 1:1:F, 2:1:A, 2:1:B, 2:1:C, 2:1:D, 2:1:E, 3:1:A, 3:1:B, 3:1:C, 3:1:D, 3:1:E, 4:1:B, 4:1:C, 4:1:E)
NETS: Creativity and Innovation
NETS: Communication and Collaboration
NETS: Research and Information Fluency
NETS: Critical Thinking, Problem Solving, and Decision Making
NETS: Digital Citizenship
NETS: Technology Operations and Concepts

AASL: Inquire, think critically, and gain knowledge.
AASL: Draw conclusions, make informed decisions, apply knowledge to new situations, and create new knowledge.
AASL: Share knowledge and participate ethically and productively as members of our democratic society.
AASL: Pursue personal and aesthetic growth.

TECH STRAND – Internet Usage (Gr. K-8)
(WITL 1:1:C, 1:1:E, 2:1:B, 2:1:E, 3:1:B, 3:1:D, 4:1:C, 4:1:E)
NETS: Creativity and Innovation
NETS: Communication and Collaboration
NETS: Research and Information Fluency
NETS: Critical Thinking, Problem Solving, and Decision Making
NETS: Digital Citizenship
NETS: Technology Operations and Concepts
AASL: Inquire, think critically, and gain knowledge.
AASL: Draw conclusions, make informed decisions, apply knowledge to new situations, and create new knowledge.
AASL: Share knowledge and participate ethically and productively as members of our democratic society.
AASL: Pursue personal and aesthetic growth.

STANDARDS CODE:
Coding System for Wisconsin Standards for Information and Technology Literacy (WITL)
- The first number refers to the standard being addressed.
- The second number refers to the grade band being addressed.
- The letter refers to the focus area being addressed.
  CCSS Standards Alignment Codes
- **CC.R** refers to *Common Core College and Career Readiness Anchor Standards for Reading*
- **CC.W** refers to *Common Core Writing Anchor Standards*
- **CC.SL** refers to *Common Core Speaking and Listening Anchor Standards*
- **CC.L** refers to *Common Core Standards for Language*
- **CC.RL** refers to *Common Core Reading Standards for Literature*
- **CC.RI** refers to *Common Core Reading Standards for Informational Text*

Kindergarten - End of the Year Outcomes
By the end of the year, the student knows / is able to:

Library Media Skills:

LM STRAND - Library Behaviors and Skills
- Demonstrate proper library behaviors
- Develop an awareness of how the library is organized and where to locate different kinds of books (fiction, nonfiction, and easy fiction books)
- Understand how books are arranged in the easy fiction section (alphabetical order by author's last name) and be able to locate popular authors' picture books on the shelves
- Independently choose and check out books from the library
- Check out, take care of, and promptly return library books
- Develop the habit of using the library on a regular basis
- Identify and explore basic book parts (cover, spine, call number, author, illustrator, title, publisher, copyright date)

LM STRAND – Reference and Research Resources (N/A for Kindergarten)

LM STRAND – Author Study
- Understand that an author writes books
- Understand that an illustrator creates the images in a book
- Develop an awareness of book awards, why they are awarded, and the process behind selecting an award winning book (e.g. Golden Archer, Caldecott, etc.)

LM STRAND – Fiction and Nonfiction
- Understand and identify fiction vs. nonfiction books (imaginary vs. real)

Technology Skills:

TECH STRAND – Basic Computer Skills and Keyboarding
- Understand how to be respectful of their classmates and their work, including using their words to give classmates directions/help, not physically doing it for them
- Learn the parts of the computer
- Understand how to use computers and other technologies with kindness and respect
- Learn, with guidance, how to log on, run programs off of the network, and log off
- Memorize login and password
- Learn how to properly place fingers/hands on home row
- Be aware of location of specific keys
- Place one space between words
- Learn how to use the shift key for capitals, the space bar for one space between words and the period for punctuation
- Learn to properly use iPads and iPods for curricular and independent learning (open/close apps, touch screen basics, adjust sound, charging, etc.)

TECH STRAND – Computer Applications and Software
- Learn to use drawing tools
- Learn to use iPods and iPads appropriately
- Learn to utilize interactive whiteboards
- Learn to compose/illustrate a written piece, with adult guidance, using technology
- Follow the EasyTech curriculum for kindergartners

TECH STRAND – Reference and Research Technology Skills (N/A for Kindergarten)

TECH STRAND – Internet Usage
- Learn to navigate, with guidance, to pre-selected sites on the internet

Grade 1 - End of the Year Outcomes

By the end of the year, the student knows / is able to:

Library Media Skills:

LM STRAND - Library Behaviors and Skills
- Demonstrate proper library behaviors
- Demonstrate the ability to independently check out, take care of, and return library materials promptly
- Find and select books that are at their reading level (using leveled libraries, Fountas and Pinnell/Rigby Level, or "Just Right" books)
- Continue the habit of using the library regularly
- Review the library's organization of materials (fiction, nonfiction, easy fiction books, audiobooks, and digital books)
- Develop an understanding of Destiny (Online Public Access Catalog/database) and how to conduct a basic and visual search
- Begin developing the skill of using library signage to navigate the library
- Locate and use the basic parts of a book (cover, spine, call number, author, illustrator, title, publisher, place of publication, copyright date)
- Understand how books are arranged in the easy fiction section (alphabetical order by author's last name) and be able to locate popular authors' picture books on the shelves
- Understand how books are arranged in the nonfiction section (numerical by Dewey Decimal system) and be able to locate books using the first three call numbers

LM STRAND – Reference and Research Resources
- Create a report using the research process (Super 3: Plan, Do, Review) with guidance
- Create a simple Works Cited (bibliography) for a simple research project listing the author and title of the resource used
- Understand that reports must be written in one's own words (plagiarism)

LM STRAND – Author Study
- Study different authors and illustrators
- Write stories/poems in the style of studied authors
- Understand the importance of book awards, why certain books are selected, and the process behind selecting an award winning book (Golden Archer, Caldecott, Charlotte Zolotow, Theodor Seuss Geisel, etc.)

LM STRAND – Fiction and Nonfiction
- Explore fiction vs. nonfiction books in more depth through paired text readings, book talks, and individual student checkouts
- Locate and explain the purpose of different text features and formats in nonfiction books (table of contents, index, glossary, bibliographies, captions/labels, diagrams, graphs, maps, timelines, etc.)
- Explore different genres (nonfiction, folk literature, mystery, science fiction, realistic fiction, historical fiction, fantasy, biography & autobiography, poetry)

Technology Skills:

Practice Kindergarten curriculum.

TECH STRAND – Basic Computer Skills and Keyboarding
- Demonstrate understanding of how to be respectful of their classmates and their work, including using their words to give classmates directions/help, not physically doing it for them
- Identify the parts of the computer
- Demonstrate understanding of how to use computers and other technologies with kindness and respect
- Demonstrate how to use the shift key for capitals, the space bar for one space between words, the period for punctuation with one space between sentences
- Learn to control the cursor to utilize the delete/backspace keys
- Demonstrate use of two hands on the home row and awareness of upper and lower rows, and numbers
- Type 5-10 words per minute
- Continue use iPads and iPods for curricular and independent learning

TECH STRAND – Computer Applications and Software
- Demonstrate appropriate use of the drawing tools in a drawing program
- Learn to use the eraser, fill, stamp, and text tool
- Participate, with guidance, in using a variety of digital tools, including audio recording, to produce/publish writing and collaborate with peers
- Utilize interactive whiteboards
- Compose/illustrate a typed document with clip art or drawing, with guidance and/or template
- Follow the EasyTech curriculum for first graders

TECH STRAND – Reference and Research Technology Skills
- Navigate, with guidance, to pre-selected sites on the Internet to gather information (Destiny's WebPath Express, Badgerlink, etc.)
- Use information to word process a basic research report with guidance

TECH STRAND – Internet Usage
- Continue to navigate, with guidance, to pre-selected sites on the Internet
- Discuss proper netiquette and cyberbullying

Grade 2 - End of the Year Outcomes

By the end of the year, the student knows / is able to:

Library Media Skills:

LM STRAND - Library Skills
- Understand the arrangement of books in the fiction and easy fiction sections (alphabetical by author) and understand alphabetizing to the second letter
- Understand how books are arranged in the nonfiction section (numerical by Dewey Decimal system) and be able to locate books using the first three call numbers
- Use Destiny (OPAC) to conduct a basic keyword, author, and title search and use the results to locate the desired material
- Utilize library signage to locate nonfiction, fiction, and easy fiction books
- Find and select books of the reader's choice at their independent reading level (Five Finger Rule, Fountas and Pinnell/RigbylLevel)
- Continue being a regular library user

LM STRAND – Reference and Research Resources
- Use nonfiction books to gather information from text (including visuals)
- Identify and understand use of nonfiction text features (table of contents, index, glossary. etc.)
- Correlate with grade level curricula to continue instruction in the research process (Super 3: Plan, Do, Review)
- Create a simple Works Cited (bibliography) for a research project listing the author, title, and copyright date of the multiple resources used
- Develop the beginning skills of note taking using guiding questions provided by the teacher
- Understand that reports must be written in one's own words (plagiarism)

LM STRAND – Author Study
- Understand the importance of book awards, why certain books are selected, and the process behind selecting an award winning book
- Compare/contrast different writing styles
- Write stories/poems in the style of studied authors

LM STRAND – Genre Study
- Be exposed to books and authors within the genres that correlate with classroom curriculum (e.g. fables, folklore, myths, and poetry)

LM STRAND – Fiction and Nonfiction
- Utilize the fiction and nonfiction sections to find books for independent reading and use the nonfiction section to find books that support learning needs for research or class assignments
- Create the front page of a newspaper

Technology Skills:

Practice Kindergarten & 1st Grade technology curriculum

TECH STRAND – Basic Computer Skills and Keyboarding
- Identify the parts of the computer
- Understand how to log in, run programs off of the network and log off
- Understand how to control the cursor to utilize the delete/backspace keys
- Demonstrate the use of home row, upper and lower rows
- Type 10-15 words per minute
- Learn to compose and format (justify, font, size, spacing) correctly in a word processing document
- Learn to insert, crop & resize images into work
- Learn to use the copy/paste feature
- Print in portrait and in landscape view
- Learn to save to H: drive
- Identify what Wi-Fi and a computer network is and the purpose of each
- Recognize security pop-ups and when the network is down

TECH STRAND – Computer Applications and Software
- Demonstrate proficient use of all the drawing tools in a drawing program
- Participate in recording their voices and commenting on others in a collaborative project
- Utilize interactive whiteboards
- Compose and illustrate a document independently
- Learn, with guidance, to create a multimedia presentation (including audio and visuals)
- Understand web page terminology (minimize, maximize, URL, address, homepage, etc.)
- Follow the EasyTech curriculum for second graders
- Learn to perform updates/upgrades on iPod/iPad computer applications

TECH STRAND – Reference and Research Technology Skills
- Use pre-selected sites to gather information
- Navigate, with guidance, to Destiny's WebPath Express and Badgerlink for authoritative material
- Develop an understanding of Boolean operators to conduct searches
- Begin creating a Works Cited (bibliography) electronically with author, title, publication year

TECH STRAND – Internet Usage
- Continue to navigate, with minimal guidance, to pre-selected sites on the Internet.
- Begin to explore online tools (e.g. Google Earth, Wordle, interactive sites)
- Use Skype/Google Hangouts/or other Virtual Field Trips for Students to complete a group Project. Top Ten Virtual Field Trips
- Discuss proper netiquette and cyberbullying

Grade 3 - End of the Year Outcomes
By the end of the year, the student knows / is able to:

Library Media Skills:

LM STRAND - Library Skills
- Use Destiny (OPAC) to conduct keyword, author, subject, series or title search and use the results to locate books in the fiction and nonfiction sections independently
- Understand how to choose appropriate reading material based on different criteria (personal interests, purpose, 5 Finger Rule, and/or reading ability)
- Use signs, shelf labels, spine labels and other library signage to locate materials
- Continue being a regular library user

LM STRAND – Reference and Research Resources
- Identify and understand use of nonfiction text features and formats (table of contents, index, glossary, captions, text boxes, images, text styles, etc.)
- Develop an understanding of a more in-depth research process (Big 6)
- Use encyclopedias, nonfiction books, and electronic resources to get information
- Use electronic resources with guidance to locate information (Destiny's WebPath Express, Badgerlink's Encyclopædia Britannica, Searchasaurus, and/or web sites)
- Locate the publishing and copyright information in a text, online encyclopedia, and web resource (cover, title page, verso, web page header/footer)
- Create a modified Works Cited (bibliography) for a research project listing the title, author, publisher, copyright date, and if applicable, the URL and article title of the multiple resources used
- Recognize that Works Cited lists (bibliographies) need to be formatted in a particular manner (beginning MLA format)
- Understand the importance of copyright and plagiarism

LM STRAND – Author Study
- Understand the importance of book awards, why certain books are selected, and the process behind selecting an award
- Compare/contrast different author's writing styles
- Write stories/poems in the style of studied authors

LM STRAND – Genre Study
- Be exposed to books and authors within the genres that correlate with classroom curriculum (fables, folklore, myths, and poetry)
- Write a book review

Technology Skills:

Master Kindergarten technology curriculum and practice 1st & 2nd grade technology curriculum

TECH STRAND – Basic Computer Skills and Keyboarding ****
- Learn how to save, print and open documents from their flash drives.

- Demonstrate control of the cursor to utilize the delete/backspace keys
- Compose and format (justify, font, size, spacing, paragraph) correctly, with minimal adult guidance, in a word processing document
- Demonstrate appropriate use the copy/paste feature
- Keyboarding instruction begins in 3rd grade
  Apply correct keyboarding techniques
  - Sit up straight.
  - Feet flat on floor.
  - One foot slightly in front of the other.
  - Hand's distance from the keyboard.
  - Keyboard to the edge of desk.
  - Hands on home row (a s d f j k l ;).
  - Both thumbs over space bar. Use either thumb for space bar.
  - Sit directly in front of the keyboard.
  - Fingers slightly curved.
  - Do not rest wrists.
  - Eyes on copy.
  - Adjust keyboard to right height.
- Utilize their keyboarding skills to produce a written piece
- Type 15-20 words per minute

TECH STRAND – Computer Applications and Software
- Participate in recording stories/poems to demonstrate fluency
- Learn to collaborate with others using technology
- Use a prepared spreadsheet template for data and graphing
- Use a prepared presentation template to demonstrate knowledge on a topic of student's choosing, including audio and visuals using transitions
- Introduce database terminology (sort, query, data)
- Collect data suitable for a database
- Learn to use spell check.
- Use e-mail to communicate within and without the school with guidance
- Utilize interactive whiteboards

TECH STRAND – Reference and Research Technology Skills
- Use a database to gather information or materials (Destiny, Badgerlink, etc.)
- Select appropriate images that complement their project
- Find copyright free images and insert images into their work (plagiarism)
- Create a Works Cited (bibliography) electronically with author, title, publisher, and publication year or website name, website address, and date of use.

TECH STRAND – Internet Usage
- Understand how to navigate to pre-selected sites on the Internet
- Continue to explore online tools (e-Pals, Google Earth, Wordle, Skype, interactive sites)
- Understand how to communicate appropriately and safely while online (e-mail, blogs, wikis, etc.) with guidance
- Learn strategies about how to be safe when online, safeguarding personal information and preventing or dealing with cyberbullying

- Demonstrate use of the Internet and other on-line sources consistent with the school's acceptable use policy

Grade 4 - End of the Year Outcomes

By the end of the year, the student knows / is able to:

Library Media Skills:

LM STRAND - Library Skills
- Use Destiny (OPAC) to conduct keyword, author, subject, series or title search and use the results to locate materials on the shelves in the fiction, nonfiction and other areas of the library
- Understand the Dewey Decimal System and utilize call numbers to find non-fiction books

LM STRAND – Reference and Research Resources
- Learn a full research process (Big 6) and use it to work on a project
- Formulate research questions, topic, and subtopics with guidance
- Take notes effectively through a variety of information sources, print and electronic
- Organize notes into a usable format
- Write from own notes
- Create a product reflecting the purpose of the research and the intended audience
- Create a modified Works Cited (bibliography) for a research project listing the title, author, place of publication, publisher, copyright date, and if applicable, the URL and article title of the multiple resources used
- Recognize that Works Cited lists (bibliographies) need to be formatted in a particular manner (beginning MLA format)
- Evaluate the process and product
- Use electronic resources to locate information (online encyclopedia, databases and/or web sites)
- Understand how and when to use different reference books (encyclopedia, atlas, almanac, dictionary)
- Understand copyright & plagiarism

LM STRAND – Author Study
- Understand the importance of book awards, why certain books are selected, and the process behind selecting an award winning book (e.g. Golden Archer, Caldecott, Charlotte Zolotow, Geisel, Coretta Scott King Illustrator and Author, Siebert, Newbery)

LM STRAND – Genre Study
- Be exposed to books and authors within the genres that correlate with classroom curriculum (e.g. folktales, fairytales, fables, legends, tall tales, Greek mythology, biography, historical fiction, poetry, and social issues/social action nonfiction)

Technology Skills:

Master Kindergarten and 1st grade technology curriculum and practice 2nd & 3rd grade technology curriculum.

TECH STRAND – Basic Computer Skills and Keyboarding
- Demonstrate their ability to be respectful of their classmates and their work.
- Continue to practice saving, printing and opening documents from their network folder.
- Independently compose and format (justify, font, size, spacing, paragraph) correctly in a word processing document.
- Demonstrate proficient use the copy/paste feature.
- Continue to practice beginning keyboarding technique and use that skill to type a minimum of one page in a single sitting.
- Type 20-25 words per minute
- Insert tables into documents.
- Continue to utilize spellcheck. Use dictionary and synonyms when necessary.

TECH STRAND – Computer Applications and Software
- Participate in recording their voices on a collaborative project
- Demonstrate use, with guidance, of a spreadsheet for data and graphing.
- Begin to evaluate the components you need to use in a multimedia presentation to make it effective.

TECH STRAND – Reference and Research Technology Skills
- Use pre-selected sites to gather information
- Select appropriate images that complement their project
- Continue finding copyright free images and inserting images into their work
- Understand website domains (.org, .net, .gov, .edu, .com, etc.)
- Begin to understand whether a website is credible
- Create a Works Cited (bibliography) electronically
- Utilize interactive whiteboards

TECH STRAND – Internet Usage
- Understand how to navigate to pre-selected sites on the Internet and search for sites using effective searching strategies
- Continue to learn about effective search strategies (use of Boolean logic), age-appropriate search engines, and web evaluation
- Demonstrate use of online tools (Google Earth, Wordle, Skype, interactive sites)
- Understand how to communicate appropriately online (blogs, wikis, etc...)
- Learn strategies about how to be safe when online, safeguarding personal information and preventing or dealing with cyberbullying
- Demonstrate use of the Internet and other on-line sources consistent with the school's acceptable use policy

Grade 5 - End of the Year Outcomes
By the end of the year, the student knows / is able to:

Library Media Skills:

LM STRAND - Library Skills
- Use Destiny (OPAC) to conduct keyword, author, subject, series or title search and use the results to locate materials in the fiction, nonfiction and other areas of the library
- Conduct an advanced search in Destiny searching multiple factors and/or limiters (Boolean searching)
- Understand the Dewey Decimal System (including the breakdown of the 100's groupings 500, 510, 520, etc.) and utilize call numbers to find materials in the LMC
- Recognize that reviews, evaluations, and guidance from teachers, library media specialists, and others assist in the selection of appropriate literature (K-8 Novelist and Destiny Quest)
- Write book reviews and recommend books for others to read
- Use the OPAC search features and/or book selection strategies (Accelerated Reader, Lexile) to locate materials at individual reading abilities

LM STRAND – Reference and Research Resources
- Learn a full research process (Big 6) and use it to work on a project
- Formulate research questions, topic, and subtopics independently utilizing a graphic organizer
- Take notes effectively through a variety of information sources, print and electronic
- Organize notes into a usable format comparing and integrating new information with prior knowledge
- Write from own notes
- Create a product reflecting the purpose of the research and the intended audience
- Create a Works Cited (bibliography) for a research project listing the title, author, city of publication, publisher/sponsoring organization, copyright date, URL, and article title of the multiple resources used electronically
- Recognize that Works Cited lists (bibliographies) need to be formatted in a particular manner (MLA format)
- Understand copyright & plagiarism
- Cite sources of pictures and graphics
- Evaluate the process and product
- Use Internet sources from an indexed list of sources (Webpath Express, Badgerlink, etc.)
- Use electronic resources to locate information independently (online encyclopedia, databases, and/or web sites)
- Understand how and when to use different research resources effectively and appropriately for the purpose at hand

LM STRAND – Author Study
- Understand the importance of book awards, why certain books are selected, and the process behind selecting an award winning book (e.g. Golden Archer, Coretta Scott King, Scott O'Dell, Edgar Allen Poe, Pura Belpré, Siebert, Newbery)

LM STRAND – Genre Study
- Be exposed to books and authors within the genres that correlate with classroom curriculum (poetry, photo essay, graphic novel, adventure & mystery stories, autobiography & biography, memoir, and historical fiction)
- Identify the characteristics of a self-selected book which exemplify a specific genre

Technology Skills:

Reinforce Kindergarten and 1st grade technology curriculum, master 2nd grade technology curriculum, and practice 3rd & 4th grade technology curriculum

TECH STRAND – Basic Computer Skills and Keyboarding
- Learn to organize their folder, name documents appropriately and save correctly
- Demonstrate how to print to the correct printer appropriately
- Submit work electronically; email, Google Drive, or Dropbox
- Use the touch method of keyboarding including proper keyboarding techniques, correct reaches, proper hand placement, posture, and finger stroking at an appropriate rate
- Type 25-30 words per minute
- Insert tables & charts into documents.
- Produce and publish writing, a minimum of two pages in a single sitting, using the touch method keyboarding
- Identify and research information on hardware, software, and other tools
- Compare and contrast different storage devices
- Identify internal components of an electronic device
- Determine what device is causing problems and take steps to correct it

TECH STRAND – Computer Applications and Software
- Create documents using shading, borders, columns, graphics, spacing, page alignment
- Learn to format documents (change font, indenting, tabs, margins, spacing, page alignment
- Participate in recording their voices on a collaborative project
- Apply and use current emerging technologies
- Learn to collaborate appropriately with others using Google Drive products
- Learn how to send and respond appropriately to e-mail and instant messaging
- Learn how to use a scanner and digital camera to incorporate images into projects & presentations
- Create an image, transfer to a document, edit if needed
- Evaluate the components needed in a multimedia presentation to make it effective.
- Demonstrate use of a spreadsheet for data and graphing with minimal guidance.
- Take proper messages and use proper etiquette while using mobile technology
- Place calls, send texts, pictures, and videos on mobile technology

TECH STRAND – Reference and Research Technology Skills
- Select the most appropriate resource to meet the informational need at hand
- Continue finding copyright free images and inserting images into their work
- Search for and critically evaluate websites for authority, accuracy, validity, credibility, relevance and currency
- Use help features and reference materials to learn software
- Recognize the importance of a domain in a URL address
- Apply proofreading and editing skills through keyboarding and language applications
- Demonstrate proper fair-use when using multimedia in assignments/projects

TECH STRAND – Internet Usage
- Demonstrate navigation to pre-selected sites on the Internet and search for sites using effective searching strategies
- Demonstrate use effective search strategies, age-appropriate search engines, and web evaluation
- Demonstrate use of online tools (Glogster, Voki, Wordle, interactive sites)
- Communicate appropriately online (blogs, wikis, e-mail, instant messaging, etc.)
- Continue to demonstrate how to be safe when online
- Discuss Internet predators
- Continue to interact and collaborate online in an appropriate manner (blogs, wikis, Google Drive: docs, presentations, etc.)
- Use email to request information for research, professionally
- Collaborate with students via the Internet; Skype or Google Hangouts
- Participate in a digital conference

Grade 6 - End of the Year Outcomes

By the end of the year, the student knows / is able to:

Library Media Skills:

LM STRAND - Library Skills
- Conduct an advanced search in Destiny (OPAC) searching multiple factors and/or limiters using Boolean searching
- Use the Dewey Decimal System (including the breakdown of the 100's groupings e.g. 500, 510, 520, etc.) and call numbers to find materials in the LMC
- Recognize that reviews, evaluations, and guidance from teachers, library media specialists, and others assist in the selection of appropriate literature
- Write book reviews and recommend books for others to read
- Use the OPAC search features and/or book selection strategies (Accelerated Reader, Lexile) to locate materials at individual reading abilities

LM STRAND – Reference and Research Resources
- Use a full research process (e.g. Big 6) to work on a project
- Formulate research questions, topic, and subtopics independently utilizing a graphic organizer
- Take notes effectively through a variety of information sources, print and electronic
- Organize notes into a usable format comparing and integrating new information with prior knowledge
- Analyze findings to determine the need for additional information
- Write from own notes
- Create a product reflecting the purpose of the research and the intended audience
- Create a Works Cited (bibliography) for a research project listing the title, author, city of publication, publisher/sponsoring organization, copyright date, URL and article title of the multiple resources used
- Recognize that Works Cited lists (bibliographies) need to be formatted in a particular manner (e.g. beginning MLA format)
- Evaluate the process and product
- In addition to using Internet sources from an indexed list of sources (WebPath Express, Badgerlink), conduct an independent advanced web search
- Evaluate web pages for accuracy, authority, credibility, bias, timeliness, and relevancy
- Use electronic resources to locate information independently (online encyclopedia, databases, and/or web sites)
- Understand how and when to use different research resources effectively and appropriately for the purpose at hand
- Understand copyright & plagiarism
- Cite the source for pictures and graphics

LM STRAND – Author Study

- Understand the importance of book awards, why certain books are selected, and the process behind selecting an award winning book (e.g. Golden Archer, Coretta Scott

King Illustrator and Author, Scott O'Dell, Edgar Allen Poe, Pura Belpré, Siebert, Newbery, Prinz)

LM STRAND – Genre Study
- Be exposed to books and authors within the genres that correlate with classroom curriculum (realistic fiction, biography, social issues/social action nonfiction, and poetry)
- Identify the characteristics from a self-selected book which exemplify a specific genre

Technology Skills:

Reinforce Kindergarten,1st, and 2nd grade technology curriculum, master 3rd grade technology curriculum, and practice 4th & 5th grade technology curriculum.

TECH STRAND – Basic Computer Skills and Keyboarding
- Use the touch method of keyboarding including proper keyboarding techniques, correct reaches, proper hand placement, posture, and finger stroking at an appropriate speed
- Type 30-35 words per minute
- Produce and publish writing, a minimum of three pages in a single sitting, using touch method keyboarding

TECH STRAND – Computer Applications and Software
- Choose the appropriate medium or web tool to convey a message to a particular audience
- Understand how to use multimedia to inform, including creating an interactive online poster and video
- Demonstrate use of a spreadsheet for data and graphing using formulas and functions
- Create and edit database fields and records
- Create tables from a database to organize information
- Sort information in a database
- Learn the benefits of a network and how it works by identifying its components
- Install a device to a network
- Install and configure a wireless printer
- Diagram how a network is set up
- Identify components of a network
- Troubleshoot basic problems
- Identify the problem solving process

TECH STRAND – Reference and Research Technology Skills
- Select the most appropriate resource to meet the informational need at hand
- Choose an appropriate image to complement the content of his/her project
- Apply proofreading and editing skills

TECH STRAND – Internet Usage
- Utilize online tools (Glogster, Voki, Wordle, interactive sites)

- Communicate appropriately online (blogs, wikis, e-mail, texting, instant messaging, etc.)
- Develop a responsible social media image by discussing proper netiquette, privacy issues, safeguarding personal information, preventing or dealing appropriately with cyberbullying, etc.)

Grade 7 - End of the Year Outcomes
By the end of the year, the student knows / is able to:

Library Media Skills:

LM STRAND - Library Skills
- Conduct an advanced search in Destiny (OPAC) searching multiple factors and/or limiters using Boolean searching
- Use the Dewey Decimal System (including the breakdown of the 100's groupings e.g. 500, 510, 520, etc.) and call numbers to find materials in the LMC
- Recognize that reviews, evaluations, and guidance from teachers, library media specialists, and others assist in the selection of appropriate literature
- Write book reviews and recommend books for others to read
- Use the OPAC search features and/or book selection strategies (Accelerated Reader, Lexile) to locate materials at individual reading abilities

LM STRAND – Reference and Research Resources
- Use a full research process (e.g. Big 6) to work on a project
- Formulate research questions, topic, and subtopics independently utilizing a graphic organizer
- Take notes effectively through a variety of information sources, print and electronic
- Organize notes into a usable format comparing and integrating new information with prior knowledge
- Analyze findings to determine the need for additional information
- Write from own notes
- Create a product reflecting the purpose of the research and the intended audience
- Create a Works Cited (bibliography) for a research project listing the title, author, city of publication, publisher/sponsoring organization, copyright date, URL and article title of the multiple resources used including graphics
- Recognize that Works Cited lists (bibliographies) need to be formatted in a particular manner (MLA format)
- Evaluate the process and product
- In addition to using Internet sources from an indexed list of sources (WebPath Express, Badgerlink), conduct an independent advanced web search
- Evaluate web pages for accuracy, authority, credibility, bias, timeliness, and relevancy
- Use electronic resources to locate information independently (online encyclopedia, databases, and/or web sites)
- Understand how and when to use different research resources effectively and appropriately for the purpose at hand
- Understand copyright & plagiarism

LM STRAND – Author Study
- Understand the importance of book awards, why certain books are selected, and the process behind selecting an award winning book (e.g. Golden Archer, Coretta Scott King Illustrator and Author, Scott O'Dell, Edgar Allen Poe, Pura Belpré, Siebert, Newbery, Prinz)

LM STRAND – Genre Study
- Be exposed to books and authors within the genres that correlate with classroom curriculum (biography, poetry, drama)
- Identify the characteristics from a self-selected book which exemplify a specific genre

Technology Skills:

Reinforce Kindergarten, 1st, 2nd, and 3rd grade technology curriculum, master 4th grade technology curriculum, and practice 5th & 6th grade technology curriculum.

TECH STRAND – Basic Computer Skills and Keyboarding
- Type 35-40 words per minute
- Mail Merge documents to create a personalized document
- Create Envelopes and Labels through Mail Merge
- Make corrections to a document after it has been edited

TECH STRAND – Computer Applications and Software
- Generate a Newsletter or Tri-fold Pamphlet in MS Publisher
- Be able to store and manipulate data in a database
- Create a personal calendar
- Use multimedia to inform by creating a presentation or video
- Design a webpage using HTML

TECH STRAND – Reference and Research Technology Skills
- Apply proofreading and editing skills to all documents
- Define Plagiarism

TECH STRAND – Internet Usage
- Understand computer security vocabulary
- Utilize online tools (Glogster, Voki, Wordle, interactive sites)

Grade 8 - End of the Year Outcomes
By the end of the year, the student knows / is able to:

Library Media Skills:

LM STRAND - Library Skills
- Conduct an advanced search in Destiny (OPAC) searching multiple factors and/or limiters using Boolean searching
- Use the Dewey Decimal System (including the breakdown of the 100's groupings e.g. 500, 510, 520, etc.) and call numbers to find materials in the LMC
- Recognize that reviews, evaluations, and guidance from teachers, library media specialists, and others assist in the selection of appropriate literature
- Write book reviews and recommend books for others to read
- Use the OPAC search features and/or book selection strategies (Accelerated Reader, Lexile) to locate materials at individual reading abilities

LM STRAND – Reference and Research Resources
- Use a full research process (e.g. Big 6) to work on a project
- Formulate research questions, topic, and subtopics independently utilizing a graphic organizer
- Take notes effectively through a variety of information sources, print and electronic
- Organize notes into a usable format comparing and integrating new information with prior knowledge
- Analyze findings to determine the need for additional information
- Write from own notes
- Create a product reflecting the purpose of the research and the intended audience
- Create a Works Cited (bibliography) for a research project listing the title, author, city of publication, publisher/sponsoring organization, copyright date, URL and article title of the multiple resources used including graphics
- Recognize that Works Cited lists (bibliographies) need to be formatted in a particular manner (MLA format)
- Evaluate the process and product
- In addition to using Internet sources from an indexed list of sources (WebPath Express, Badgerlink), conduct an independent advanced web search
- Evaluate web pages for accuracy, authority, credibility, bias, timeliness, and relevancy
- Use electronic resources to locate information independently (online encyclopedia, databases, and/or web sites)
- Understand how and when to use different research resources effectively and appropriately for the purpose at hand
- Understand copyright & plagiarism

LM STRAND – Author Study
- Understand the importance of book awards, why certain books are selected, and the process behind selecting an award winning book (e.g. Golden Archer, Coretta Scott King Illustrator and Author, Scott O'Dell, Edgar Allen Poe, Pura Belpré, Siebert, Newbery, Prinz)

LM STRAND – Genre Study
- Be exposed to books and authors within the genres that correlate with classroom curriculum (biography, poetry, drama)
- Identify the characteristics from a self-selected book which exemplify a specific genre

Technology Skills:

Reinforce Kindergarten, 1st, 2nd, 3rd and 4th grade technology curriculum, master 5th grade technology curriculum, and practice 6th & 7th grade technology curriculum.

TECH STRAND – Basic Computer Skills and Keyboarding
- Type 35-40 WPM
- Create a mobile phone app

TECH STRAND – Computer Applications and Software
- Design a webpage using HTML with appropriate attributes & tags
- Convert a word problem into code
- Write structured code
- Diagram basic variables and values during the execution of a simple program code

TECH STRAND – Reference and Research Technology Skills
- Analyze the strengths and weaknesses of applications and programs
- Test and analyze ready-made applications and programs.

TECH STRAND – Internet Usage