Thematic Textual Analysis of Picture Books for Health Education







MIAMI UNIVERSITY



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Children's Picture Book Database at Miami University (CPBD@MU)







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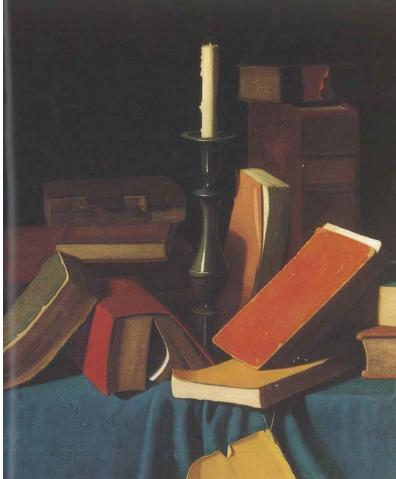
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Judith A. Ausherman, Ed.D, CHES



Timken Museum of Art Acquisitions 1995-2005



In the Library, 1894/1900

Fischer, H. & Simpson, F. W. (Eds.). (2006). *Timken Museum of Art: Acquisitions 1995-2005.* San Diego: The Putnam Foundation, Inc.



Context and Rationale

- The history of health education is an important but frequently overlooked aspect of professional preparation.
- Identification, selection, and preservation of documents and materials are lacking in the health education literature.
- Historical research gives perspective. It is a process of critical inquiry into past events to produce an accurate description and interpretation of those events.
- Barzun and Graff (1992) suggested that history is not a subject unto itself but rather a mode of thinking that incorporates reflection upon the past.
- Historical research uses no single research method because of its complexity and all-encompassing nature. Mixed Method research can produce more complete knowledge and better inform theory and practice. It allows the researcher to explore both the data generation and the procedures for analyzing the data.
- Constructivist theory focuses on building new knowledge based upon the foundation of previous learning. Within this construct, learning is a search for meaning. Meaning making leads individuals to "understanding" which lays the foundation for multiple perspectives and historical story telling by many.

Historical Context: 1836-1900

Civil War 1861-1865

Education was not compulsory and most children worked in factories



- In 1830, 35 percent of white children between the ages of 5 and 19 spent time in school when the first edition of the McGuffey Readers was released.
- In 1859, 50 percent of children spent time in school.
- In 1870, 61 percent of children spent time in school.
- By 1890, two out of three children enrolled in school during the years of McGuffey's greatest popularity (Gorn, 1998).
- Throughout the nineteenth century, the spoken word was highly valued.

- 1885 American Association for the Advancement of Physical Education (AAAPE) was founded.
- 1894 Department of Child Study was founded within the National Education Association (NEA). Included a focus on health.

NATIONAL EDUCATION ASSOCIATION

McGuffey Readers

- The Primer, 1st & 2nd Readers were published in 1836.
- Mrs. McGuffey prepared the Primer, keeping her authorship secret.
- The 3rd & 4th Readers were published in 1837.
- McGuffey's brother Alexander wrote the 5th Reader in 1844 & the 6th in 1857.
- In 1841 the original publishing partnership dissolved.
- The 1879 editions taught morality and good character to the emerging middle class and provided children with a common knowledge and worldview.
- By 1879 more than 60 million had been sold.
- By 1960 more than 120 million copies were sold.
- Since 1961 they have continued to sell at a rate of some 30,000 copies a year.
- In 2011 they are still in use.

Curricular Decisions

- Spelling, reading, writing, arithmetic, geography, history, grammar, civics and physiology are the subjects usually taught in the common schools of every state.
- McGuffey Readers afforded schools the opportunity for distinct ethical teaching.
- Topics such as patriotism, civics, government, physiology, the laws of health, morals, manners were addressed.

Purpose & Brief Description

- The purpose of this project was to use Thematic Textual Analysis as a part of a Mixed Method Research Design to analyze picture books in Health Education.
- This project focused on the comparison of themes found within the Children's Picture Book Database at Miami University (CPBD@MU) and four of the six books from the McGuffey Readers Series.
- This project provides an example of practical historical research and utilizes a Mixed Method Research Design through the lens of human health.
- Our work demonstrates how data were collected, what process was applied to the thematic analysis, what limitations we faced as we completed this project for health education, and how the construction of this information can contribute to the professional literature.

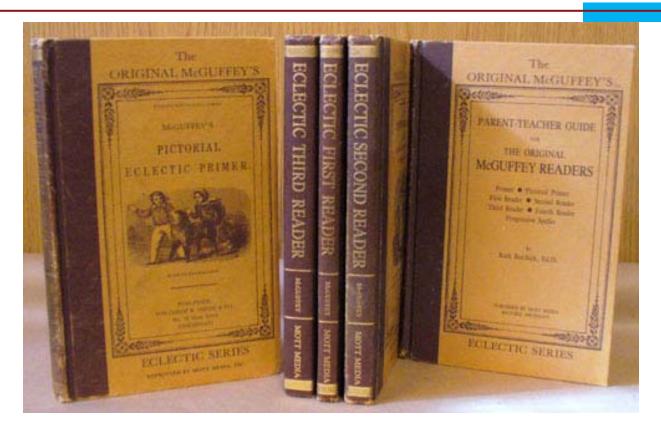
Picture Books

What are Picture Books?

- Picture books are also known as narrative texts.
- As a genre, picture books provide words and images in an integrated way, supported often by numbers, rhythms, body language, and environmental cues.
 - Picture books are written as story books or easy readers for early childhood.
- Picture books can also be read by adults who are learning to read.



McGuffey Readers



The 1879 version of the Readers were redesigned by the noted Cincinnati artist Henry Farny. The new updated high quality illustrations were well suited to children's interests and were highly realistic and closely related to the text. These changes further expanded the *Readers*' popularity.

Research Design

Historical Research

Mixed Method Research

Qualitative

Textual Thematic Analysis

Quantitative

Non-experimental

Historical

- Historical research is a rigorous collection and organization of information, data, or evidence that requires verification of the authenticity and veracity of information and its sources.
- Historical research involves critical analysis of the data; selection, organization, and analysis of the most pertinent collected evidence (data synthesis); and development and recording of conclusions in a meaningful manner.

Mixed Methods Research

The class of research where the researcher mixes or combines quantitative and qualitative research techniques, methods, and approaches into a single study.

Strengths and Weaknesses of Mixed Research

Strengths

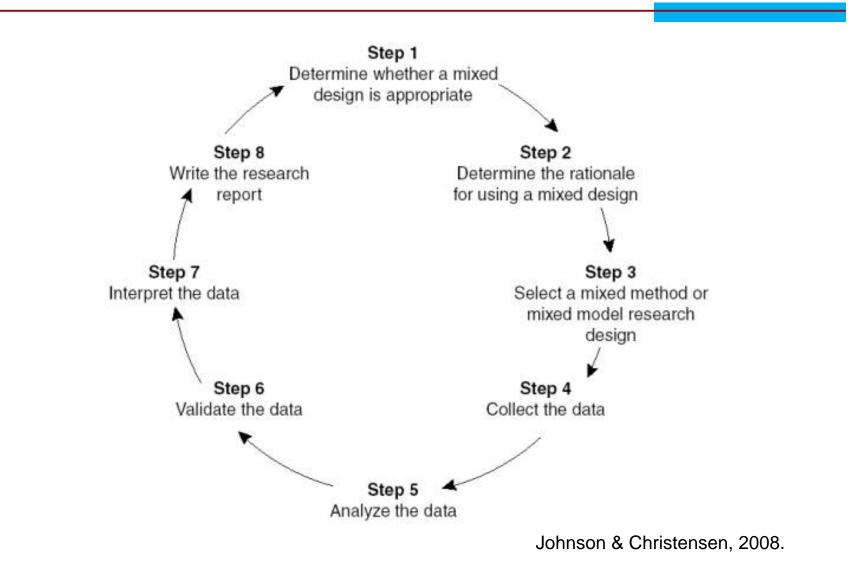
- Qualitative and quantitative research used together produce more complete knowledge necessary to inform theory and practice.
- Can answer a broader and more complete range of research questions because the researcher is not confined to a single method or approach.
- Words, pictures, and narrative can be used to add meaning to numbers.
- Numbers can be used to add precision to words, pictures, and narrative.
- Can add insights and understanding that might be missed when only a single method is used.
- A researcher can use the strengths of an additional method to overcome the weaknesses in another method by using both in a research study.

<u>Weaknesses</u>

- May require a research team.
 - Researchers needs to learn multiple methods and approaches and understand how to mix them appropriately.
 - Methodological purists contend that one should always work within either a qualitative or a quantitative paradigm.
 - Time intensive.
 - Some of the details of mixed research remain to be worked out fully by research methodologists (e.g., problems of paradigm mixing, how to qualitatively analyze quantitative data, how to interpret conflicting results).

Adapted from Johnson & Onwuegbuzie, 2004.

Steps in the Mixed Research Process



Thematic Textual Analysis

- is a method for identifying, analyzing, and reporting patterns (themes) within data. At a basic level, it allows for organization and description of data.
- is widely used but there is limited agreement about the steps and procedures researchers should follow.
- Focuses on words and phrases that are used in a message.

Thematic Textual Analysis

This thematic analysis was conducted based on a six step method described by Braun and Clarke (2006).

- Step 1 Become familiar with the data.
- Step 2 Generate initial codes.
- Step 3 Transform codes into grouped data and organize into categories.
- Step 4 Review themes determine representativeness.
- Step 5 Define and label categories.
- Step 6 Link themes to existing literature.

Example: The Original Project

We constructed a contextual and thematic method of analysis to aid in the documentation and interpretation of health education conference themes over the past 35 years across four professional organizations (AAHE, SOPHE, ASHA, and APHA.

| Ta | ble 1. Confer | ence Themes by Association, Year and Location | | |
|-------------|---------------|--|------------------|--|
| Association | Year These | | 07 | |
| ASHA | 1975 | | Denver | |
| | 1976 | The Golden Anniversary Convention | New Orleans | |
| | 1977 | | Atlanta | |
| | 1978 | | Dearborn | |
| | 1979 | The International Year of the Child and School Health | San Diego | |
| | 1980 | | Dallas | |
| | 1981 | | Washington | |
| | 1982 | Cross Cultural Aspects of School Health | Phoenix | |
| | 1983 | Marketing School Health | Louisville | |
| | 1984 | Kids are Consumers Too | Pittsburgh | |
| | 1985 | Health Promotion Through the Schools | Little Rock | |
| | 1986 | Child Health: America's Wealth, An Investment in the Future | Denver | |
| | 1987 | New Dimensions in School Health A Challenge for the 90s | Indianapolis | |
| | 1988 | America's Schools Magic Kingdoms for Health Promotion | Lake Buena Vista | |
| | 1989 | Building Self-Esteem: Prescription for Schools | Chicago | |
| | 1990 | Partnerships for School Health Programs | Long Beach | |
| | 1991 | Promoting An International Responsibility for Healthy Children | Dearborn | |
| | 1992 | Changes in the American Family: The Impact on School Health | Orlando | |
| | 1993 | Adolescence: Health Challenge for the 90s | Pittsburgh | |
| | 1994 | Socioeconomically Disadvantaged Youth - Children At Risk | Houston | |
| | 1995 | Teaching Children In and About a Healthy World | Milwaukee | |
| | 1996 | Challenge for the Nation: Creating a Real Contract with America's Kids | St. Louis | |
| | 1997 | Helping Children Choose Healthy Lifestyles | Daytona Beach | |
| | 1998 | Refocusing School Health Programs to Address Public Health Priorities | Colorado Springs | |
| | 1999 | Collaboration: The AC@ Wood for the 21" Century | Kansas City | |
| | 2000 | Schools and Communities: Partners for Children's Health | New Orleans | |
| | 2001 | Back to the Future: School Health in the 21st Century | Albuquerque | |
| | 2002 | Advocacy for Stadent Health and School Success | Charlotte | |
| | 2003 | School Health Beyond the Borders | El Paso | |
| | 2004 | School Facilities: Safe or Sorry | Pittsburgh | |
| | 2005 | Supervice Prevention: Obesity, Diabetes and Other Critical Issues | Burbank | |

| Table 2. | Literal The | me Analysis |
|----------|-------------|-------------|
| | | |

| Change ASHA SOPHE SOPHE SOPHE SOPHE AAHPERD'AAHE AAHPERD'AAHE | 1992 1984 1993 2004 2008 1970 1998 | Changes in the American Family: The Impact on School Health The Science of Change: Self, Client, Profession, Society Bindges to Change The Power and influence of Health Education: Promoting Mommental Change Catching the Wave: Changing Tubed Health Education and Health Promotion We Ourselvest Must Change to Master Change Change the Only Constant | Orlando Ansheim San Francisco Washington San Diego Seattle Reno | FL CA DC CA WA NV |
|--|--|--|---|---|
| Diversity SOPHE AAHPERD'AAHE APHA | 2003 1989 1994 | Leadership and Diversity: Bridges to a Golden Health Education Era Steegth through Diversity Public Health and Diversity: Opportunities for Equity | San Francisco Boston Washington | CA MA DC |
| Environment APHA APHA APHA | 1981 1993 2004 | Energy Health and the Environment Building Health Environment Public Health and the Environment | Los Angeles San Francisco Washington | CA CA DC |
| Family ASHA APHA | 1992 1979 | Changes in the American Family: The Impact on School Health Child and Family Health in America | Orlando New York | FL NY |
| Future ASHA ASHA AAHPERD'AAHE AAHPERD'AAHE AAHPERD'AAHE AAHPERD'AAHE AAHPERD'AAHE APHA APHA | 1986 2001 2009 1976 1995 2005 2006 1978 1990 | Child Health: America's Wealth, An Investment in the Future Back to the Future: School Health in the 21 st Century Healthy Kids, Healthy Lives, Healthy Futures Share in the Future Bridges for Our Future The Present is our Future Visions for our Future—Reflections on our Past Creating the Future of Public Health Forging the Future Health Objectives for the Year 2000 | Denver Albuquerque Portland Chicago Salt Lake City Los Angeles New York | CO NM WI OR IL UT A NY |
| | | | | |

Figure 4. Thematic Analysis of Conference Themes

Event-Related Themes by City AAHPERD/AAHE 1974 Fantasy (Disneyland) - Anaheim, CA 1981 Sailing - Boston 1996 Olympics - Atlanta 1997 Spirit of St. Louis - Flight - St.Louis, MO ASHA 1986 Mint (Wealth- Investment) - Denver 1988 Magic Kingdom (Disneyworld) - Lake Buena Vista, FL 1989 AMA (Prescription) - Chicago

Table 3. Topical Themes by Subjective Interpretation

- 2003 Border El Paso
- 2007 Many Cultures Honolulu

SOPHE

State

CO LA GA MI CA TX DC AZ KY PA AK CO

IN FL IL

CA MI

FL

PA TX

WI

MO

FL

СО МО

LA

NM

NC

TX

PA CA

- 1983 Frontier Dallas
- 1986 Odds Las Vegas
- 1990 Brooklyn Bridge NYC
- 1991 Centers for Disease Control and Prevention (CDC) Atlanta
- 1993 Golden Gate Bridge San Francisco
- 1996 Statue of Liberty -NYC
- 1997 Crossroads -Indianapolis
- 1998 Politics Washington, DC
- 2000 Revolution Boston
- 2002 Declaration of Independence Philadelphia
- 2003 Golden Gate Bridge San Francisco
- 2004 Washington Monument DC
- 2008 Sailing (Charting Course, Tides) San Diego

APHA

- 1997 National Identity Washington DC
- 1982 International Perspective Montreal
- 1985 Government Washington DC
- 1991 Public Health Atlanta
- 2008 Border San Diego

Critical Questions

- What are health-related themes?
- Where are health related themes in the literature?
- What constitutes health-related relevant texts for Health Education?
- What materials will be examined for healthrelated themes?

Selection of New Materials

- McGuffey Readers
- Children's Picture Book Database at Miami University

Both have a history with Miami University in Oxford, OH.
Both are collections of educational materials.
Both are faculty projects for dissemination.
One was published and continues to be sold;
One was published with students and disseminated as service learning.

William Holmes McGuffey (1800-1873)

A teacher since the age of 14, McGuffey was a professor of ancient languages at Miami University from 1826 until his resignation in 1836. He then served as president of Cincinnati College (1836-1839) and Ohio University (1839-1843). Returning to Cincinnati, McGuffey taught at Woodward College from 1843 until 1845, when he became a professor of moral philosophy at the University of Virginia. He remained there until his death. He was ordained as a Presbyterian minister in 1829.

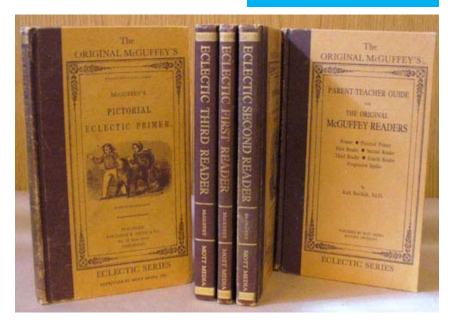
He married Harriet Spining of Dayton, Ohio on April 3, 1827. In addition to three boys who died either in infancy and childhood, their children included two daughters, Mary McGuffey Stewart (1830-1910) and Henrietta McGuffey Hepburn (1832-1922). Henrietta's husband, Andrew D. Hepburn (1830-1921), was president of Miami University from 1871 to 1873 and a professor in Miami's English department for many years.



McGuffey Readers



A series of books prepared by William H. McGuffey to teach reading to schoolchildren. The series began to appear in the mid to late 1830s. The Readers were widely used in the nineteenth century and are still **currently** in use.



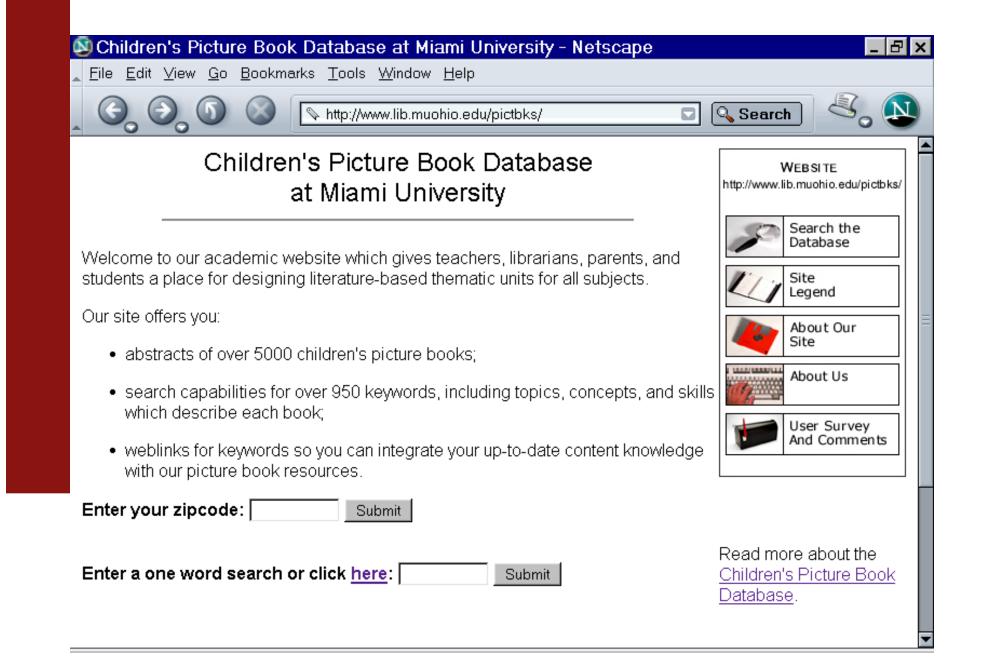
The 1879 edition purportedly taught morality and good character to the emerging middle class and provided children with a common knowledge and worldview. These Readers have had a profound influence on public education in the U.S.

Children's Picture Book Database @MU

- The CPBD@MU is a searchable database of developmentally appropriate literature for use with young children, preschool to grade 3. This multidisciplinary, learner-centered resource allows for searches of keywords, topics, concepts, and skills to locate books with storylines adaptable to curricular needs.
- Project Director and Designer:
 - Valerie A. Ubbes, PhD, CHES
 - With Miami University Libraries and Students

Purpose of the Database

- An on-line bibliographic database searchable by topics, concepts, and skills;
- Used for designing literature-based thematic units in early childhood subject areas;
- Provides abstracts of 5000+ picture books and multiple keywords for each book to increase access to a variety of topics, concepts, and skills.



Background: Design Elements

1. How is it <u>structured</u>?

Bibliographic data Instructional design elements, e.g., topics, concepts, and skills

2. How does it <u>function</u>?

Types (forms) of searches

3. What is its value?

Audience and Access

1. How is it structured?

1.1 As bibliographic data

1.2. Searchable three ways

- Keyword disciplinary search
- Alphabetical keyword search
- Boolean keyword search

1.3.Organized by curriculum design elements

- Topics
- Concepts
- Skills

1.1 Sample Bibliographic Entry

Crowther, Robert (2001). Colors. Cambridge, MA: Candlewick Press.

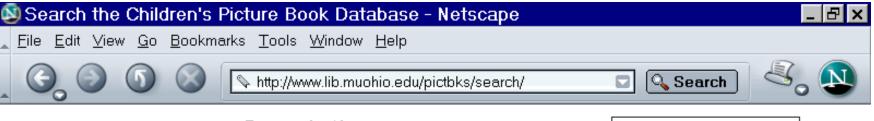
Abstract:

Objects from everyday life are described based on their colors. Through interactive pull-down pages, children will have hours of fun learning colors from everyday objects in their environment.

Abstract provided by Douglas Matthews, 2006 for the *Children's Picture Book Database at Miami University*.

 Keywords: [Amphibians] [Animals] [Art] [Birds] [Colors] [Critical Thinking] [Crustaceans] [Food] [Identification] [Insects] [Nature] [Nonverbal Communication] [Plants] [Shadows] [Shells] [Shrimp] [Sun] [Weather]

1.2. Searchable three ways:



Search the Children's Picture Book Database

You may use three different options when searching the database. The three searches are:

 Keyword Search Select a keyword from a list of disciplines (Areas of study).

2. Alphabetic Search of Keywords

Select the same keyword as above, but in alphabetical order.

3. Boolean Combination Search

Select from additional fields (e.g., author, publisher, date, abstract provider, etc.) or a combination of fields to limit your search.



Keyword Disciplinary Search

Select from the categories below to see a list of keywords for that category. Then select the keyword that most closely matches.

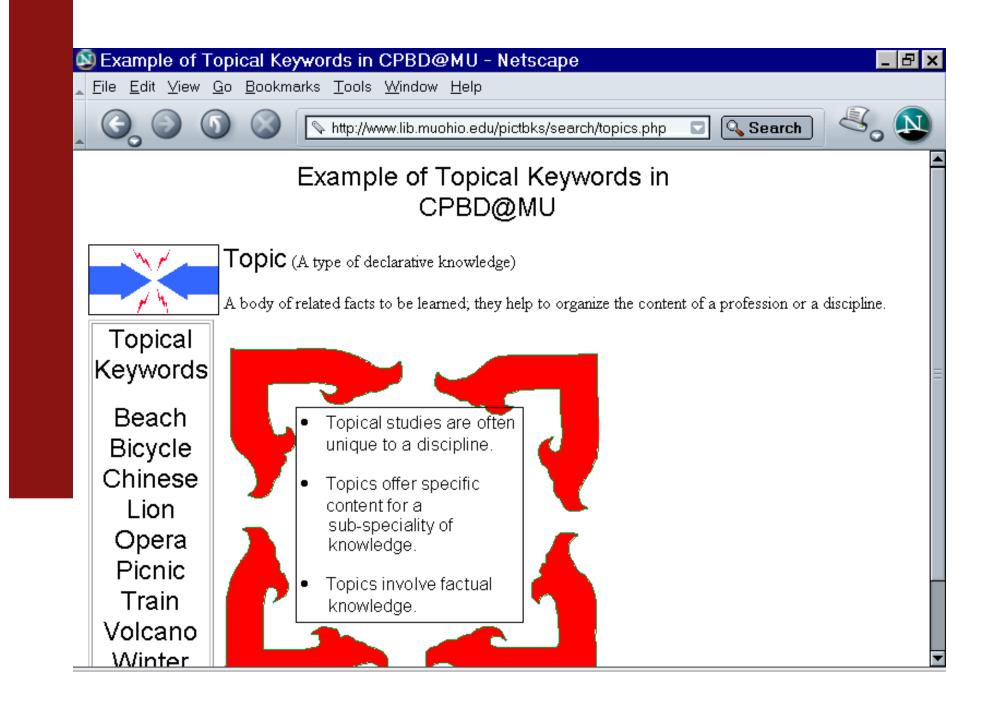
- Literature, Language and Communications
- <u>Mathematics</u>
- Health and Medicine
- <u>Natural History and Natural Science</u>
- Social Studies
- <u>Visual and Performing Arts</u>

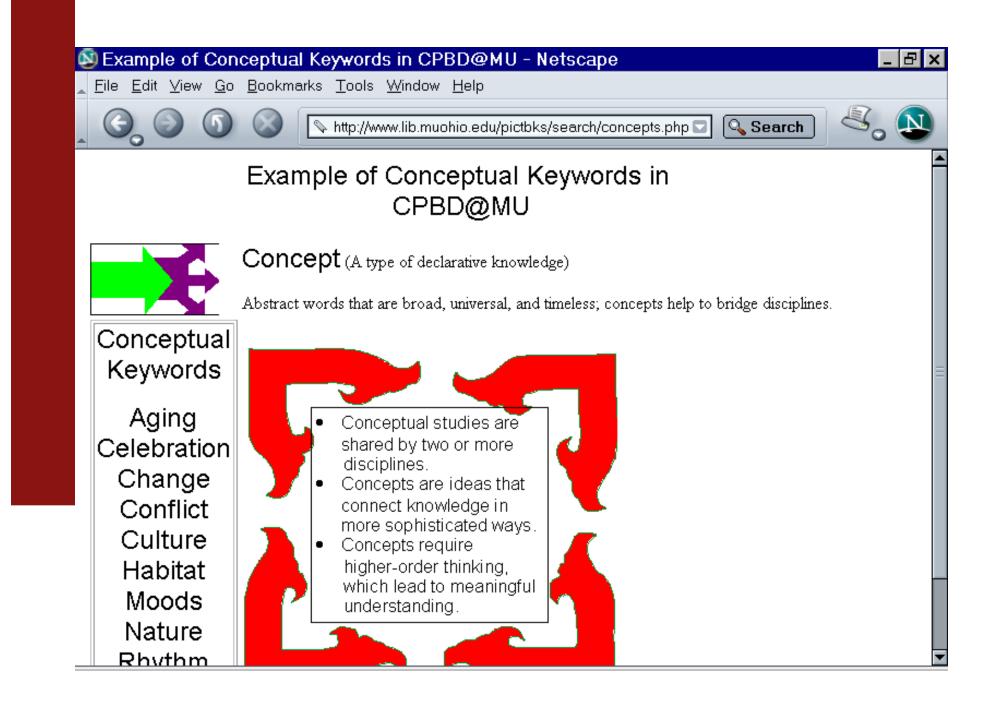
nd About Our Database About Us User Survey Projects & Programs

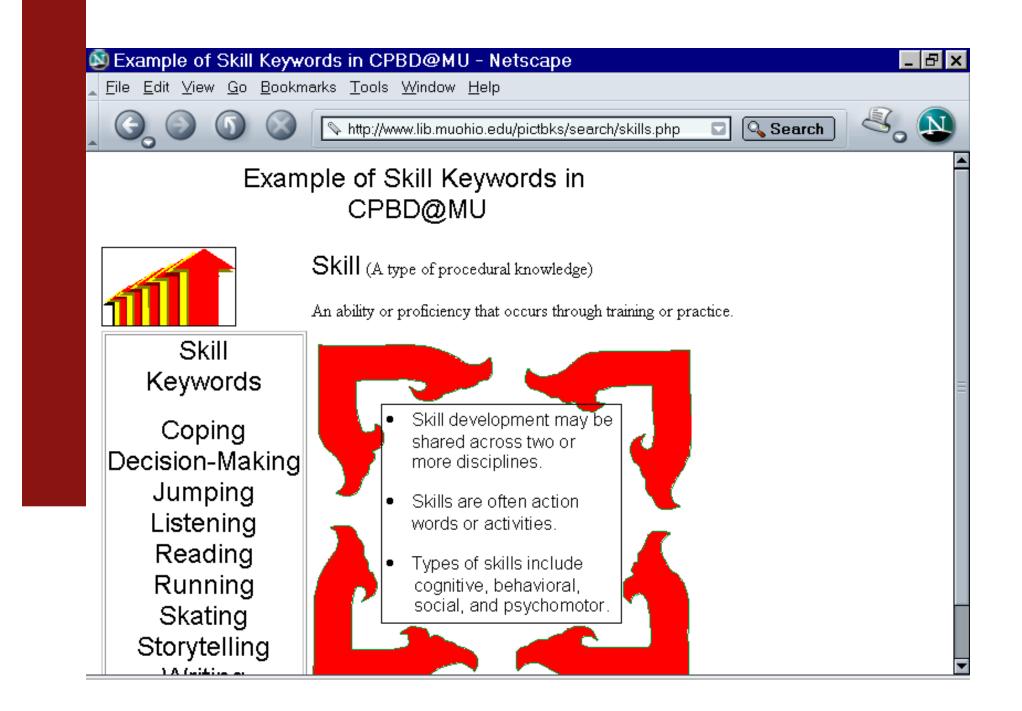
ubbesva@muohio.edu Valerie A. Ubbes, PhD, CHES Project Director of CPBD@MU <u>mlink@lib.muohio.edu</u> Miami University Libraries Oxford, OH

1.3. Organized by Curriculum Design Elements

- Topics
- Concepts
- Skills







2. How does the database function?

- Over 950 keywords are used to "organize and sort" the books into bibliographic lists with web sites for many keywords.
- Each book gets 10 to 15 words assigned to it via: Text – the storyline in linguistic form
 Subtext – the story in other non-linguistic forms
 Context - the place and setting of the story
- Provides a wider VARIETY of books to accompany a curriculum lesson which increases background knowledge and skill development.

Search Results for Community

From the Children's Picture Book Database at Miami University For your convenience, results have been split into page(s) in groups of 25. Your Search for **Community** produced **269** item(s).

To find the item in the Miami University Libraries, click on the title. These titles may also be available at your local school or public library.

For your convenience, results have been split into 11 page(s) in groups of 25. [1] [2] [3] [4] [5] [6] [7] [8] [9] [10] [11]

WebLinks are available to provide content information on Community.

** Click here to view the content link **

1. Agell, Charlotte (1994). Dancing feet. New York: Gulliver Books .

Abstract:

Diversity in the world is shown through rhythmical lyrics and warm pictures. It also includes the names of major body parts and functions. Abstract provided by Miwako Monden, 1995 for the *Children's Picture Book Database at Miami University*.

Keywords: [Acceptance] [African] [Asian] [Body Image] [Body Parts] [Community] [Dancing] [Diversity] [Equality] [Exercise] [Family] [Food] [Friendship] [Multicultural] [Poetry] [Rhyme] [Walking]

2. Aiello, Barbara//Shulman, Jeffrey (1989). <u>Hometown hero</u>. Frederick: Twenty-First Century Books. Abstract:

Scott Whittaker recounts the events between Thanksgiving and Christmas in his diary. He starts a karate club at school and meets Bill Walters, a homeless man who was the quarterback of the local high school football team in 1967. The book ends with questions and answers about asthma.

Abstract provided by Keith E. Rhoades, 1995 for the Children's Picture Book Database at Miami University.

Keywords: [Accomplishment] [Appearance] [Assertiveness] [Asthma] [Community] [Decision Making] [Diseases] [Exercise] [Football] [Friendship] [Holidays] [Karate] [Kindness] [Peer Resistance] [School] [Shelter] [Sports] [Surprises]

Database helps to Differentiate and Apply Information in New Ways

- Involves taking bibliographic data and rearranging it in new or novel ways, especially through a Boolean Search;
- Find books to differentiate instruction for individual learners with different needs and interests;
- Topics, concepts, and skills can be searched to form thematic studies within and across disciplines (inclusive to health education);
- And then be aligned to curriculum standards that frame what students should "know and be able to do".

Follow the Stars for Content Web sites:

Click here to view the content link

- Search Results From the Children's Picture Book Database at Miami University
- For your convenience, results have been split into page(s) in groups of 25.
- Your Search for Safety produced 132 item(s). To find the item in the Miami University Libraries, click on the title. These titles may also be available at your local school or public library.
- For your convenience, results have been split into 6 page(s) in groups of 25.
- **[**1] [<u>2] [3] [4] [5] [6</u>]
- WebLinks are available to provide content information on Safety.
 - ** Click here to view the content link **
- 1. Ahlberg, Allan (2000). <u>The snail house</u>. Cambridge, MA: Candlewick Press.
 - Abstract:

Grandma calls in her three grandchildren to tell a story. A boy, a girl, and their baby brother all shrink until they can sneak out of the house unnoticed. They move into a snail house for a day where they have adventures with an earthquake, a disappearing baby, and a scary bird. After the adventures, they thank the snail and return home to become their normal size.

- Abstract provided by Mark Walter, 2002 for the Children's Picture Book Database at Miami University.
- Keywords: [Adventures] [Animals] [Baby] [Birds] [Cat] [Disappearance] [Earthquake] [Fox] [Grandparents] [Insects] [Lost] [Plants] [Radio] [Rain] [Safety] [Snail] [Storytelling] [Tiger]

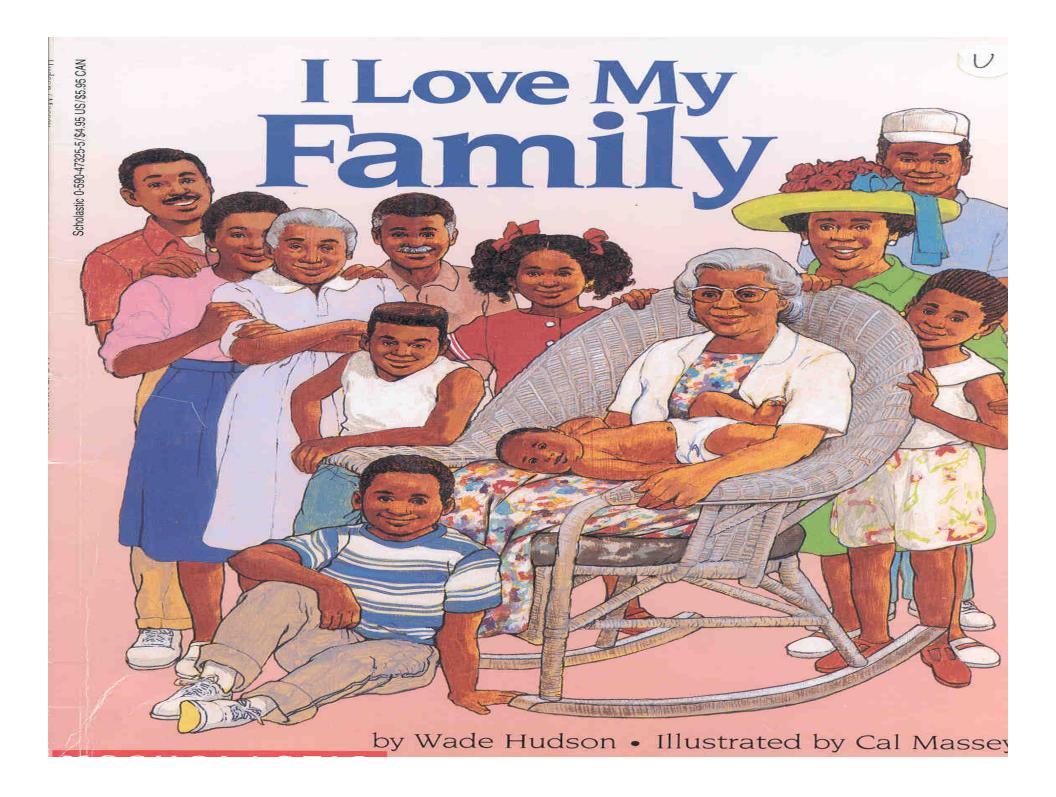
Content Links for Safety

Here are links to sites on the World Wide Web which provide content information on Safety. After selecting one of them, you can return to the database using the back button on your browser.

- 1. <u>http://www.ou.edu/oupd/fireprev.htm</u>
- 2. http://www.kidshealth.org/kid/watch/out/bike_safety.html
- 3. http://www.edc.org/HHD/csn/index.html
- 4. http://www.cha.ab.ca/safekids/Facts.htm
- 5. http://www.state.il.us/kids/isp/bikes/
- 6. http://www.cha.ab.ca/safekids/Facts.htm
- 7. http://www.coderedrover.org/
- 8. http://www.fema.gov/kids/
- 9. http://www.firesafety.gov/kids/flash.shtm
- 10. http://www.sparky.org/
- 11. http://www.redcross.org/services/hss/tips/hiking.html
- 12. <u>http://www.ottoclub.org/</u>
- 13. http://www.ottoclub.org/
- 14. http://www.ipl.org/div/kidspace/poisonsafe/
- 15. <u>http://sln.fi.edu/franklin/rotten.html</u>
- 16. http://www.usfa.dhs.gov/kids/flash.shtm
- 17. http://www.fbi.gov/kids/k5th/safety1.htm
- 18. <u>http://www.cpsc.gov/kids/kidsafety/</u>
- 19. http://www.smallstep.gov/kids/html/index.html
- 20. http://www.firekills.gov.uk/juniors/index.htm
- 21. http://www.mcgruff.org/
- 22. http://www.netsmartzkids.org/indexFL.htm
- 23. http://www.smokeybear.com/kids/default.asp
- 24. http://www.ipl.org/youth/poisonsafe/
- 25. http://vm.cfsan.fda.gov/~dms/educate.html#kids
- 26. http://www.fda.gov/oc/opacom/kids/

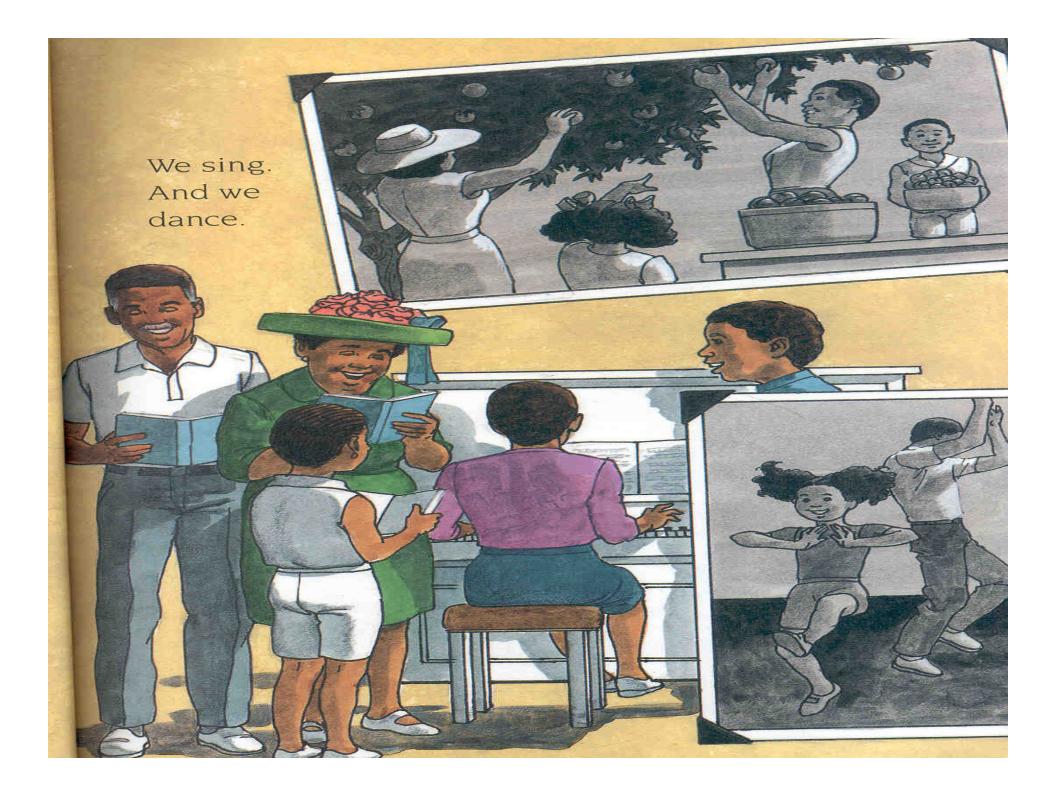
2. Example of Function: Literature Connections

- In excerpts of the story that follows from "I Love My Family" (Hudson, 1993), notice a few of the dimensions of health in the following order: Social Health, Physical Health, and Emotional Health.
- Like in life, picture books give us an opportUNITY for *integrating* two or more dimensions of health leading to wellness.



A family reunion is a special time. It's a lot of fun, too. We go swimming. We play ball. We pick peaches.

5



When the family reunion is over, everyone is sad. No one wants to say good-bye. I feel sad, too. I won't get to see most of my cousins again until next summer.

Sample Abstract from CPBD@MU

Hudson, Wade (1993). <u>I love my family</u>. New York: Scholastic Inc.

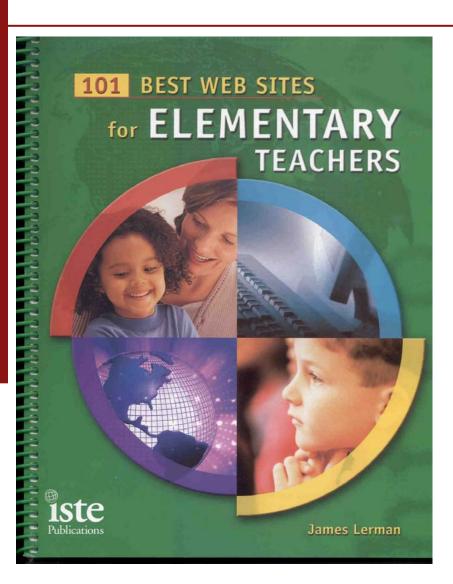
Abstract: A family takes a summer trip to Grandpa Lawrence's farm in North Carolina. The family enjoys laughing, talking, playing basketball, dancing and having a picnic together. Everyone hates to leave at the end of the week.

Abstract provided by Sarah Inglis, 1995 for the *Children's Picture* Book Database at Miami University.

Keywords: [<u>African American</u>] [<u>Family</u>] [<u>Food</u>] [<u>Multicultural</u>] [<u>Nutrition</u>] [<u>Picnic</u>] [Health] [<u>Storytelling</u>] [Reunion]

3. What is the Value of the CPBD@MU? Access and Audience

- The CPBD@MU was one of the first on-line education databases that migrated to the World Wide Web in 1996;
- Is inclusive to all 8 disciplinary subjects.
- Accessed at http://www.lib.muohio.edu/pictbks
- Used by librarians, teachers, faculty, publishers, authors, and students from all 50 states and 7 foreign countries.



The Children's Picturebook Database at MU is sited as one of the 101 Best Web Sites for Elementary Teachers (Lerman, 2005) which uses the National Education Technology Standards.

3. Summary of Value

The database affords teachers the ability to use storybooks and information web-sites to design integrated units for all disciplines, inclusive to health education & physical education.

> Children's Picture Book Database at Miami University http://www.lib.muohio.edu/pictbks

A bibliography for designing literature-based thematic units searchable by topics, concepts, and skills.

Recognized by the International Society for Technology in Education (2006) as one of the "101 Best Web Sites for Elementary Teachers"

Research Procedures

- The focus of this analysis was to identify themes in both data sets and to be able to the compare two diverse types of curricular materials.
- As a searchable database, the CPBD is organized by topics, concepts and skills.
- The McGuffey Readers (Primer, 1st Reader, 2nd Reader, 3rd Reader) were examined for occurrence of selected terms. Terms were then categorized as a topic, a concept or a skills.

Example of process:

26

ECLECTIC SERIES.

LESSON XXI.



ŏf (ŏv)thăttŏssfạllwĕllFăn'nỹbạllwallwạşpret'tỹ (prĭt-)dònewhạtaa

O Fanny, what a pretty ball! Yes; can you catch it, Ann? Toss it to me, and see. I will not let it fall.

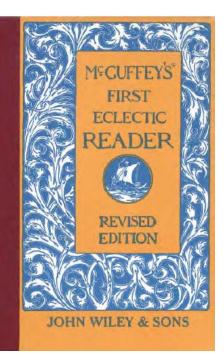
That was well done.

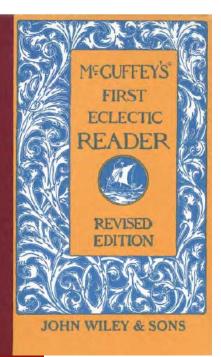
FIRST READER.

27

Now, Fanny, toss it to the top of the wall, if you can.

| of | that | toss | fall |
|------|----------------|------|------|
| well | Fan'ny | ball | wall |
| was | pret'ty(prit-) | done | what |
| | a | a | |





ECL.

50

ECLECTIC SERIES.

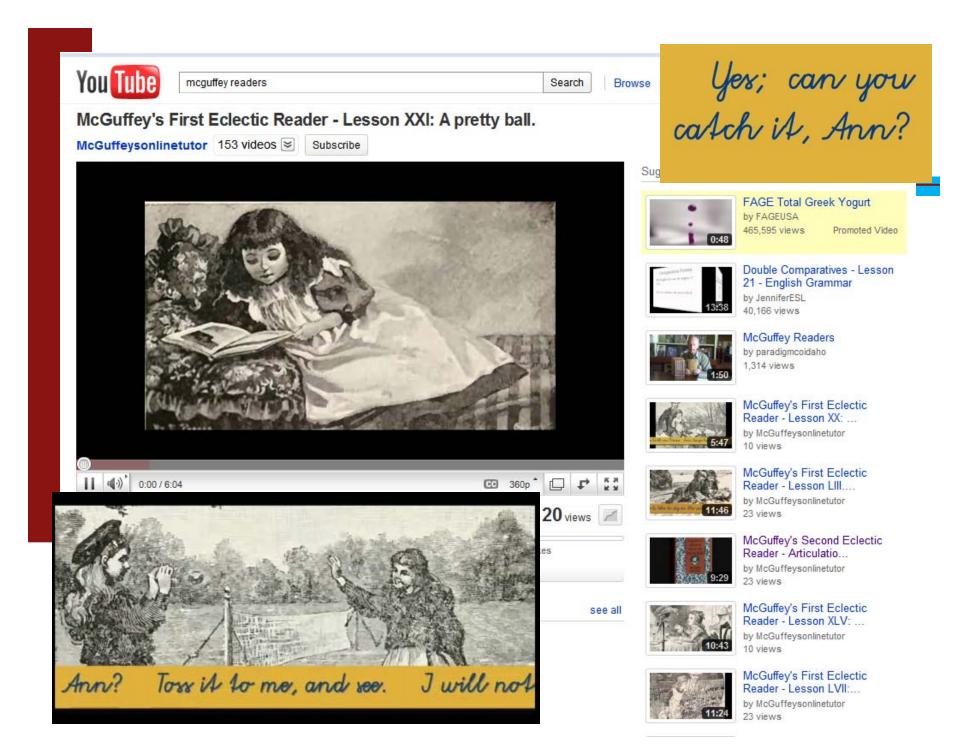
LESSON XXXVIII.

| | mär'ket | brěad | mar'ket | bread |
|---------------------------|----------------|---------|---------|---------|
| Star Plant and | bås'ket | bôught | bas'ket | bought |
| The second | 新型码[1977] | mēat | | meat |
| | Nº 11 | tēa | | tea |
| | Q - X31 | try'ing | | try'ing |
| | h | těll | | tell |
| There are a series of the | Rey and | which | | which |

James has been to market with his mamma.

She has bought some bread, some meat, and some tea, which are in the basket on her arm.

James is trying to tell his mamma what he has seen in the market.



McGuffey Reader Topical Key Words

| Primer | 1 st R | eader | 2 nd Reader | | | 3rd Reader | | |
|--------------|-------------------|-----------|------------------------|-----------------|--------------|--------------|--------------|--------------|
| Arms | Air | Pets | Apples | Eyes = 5 | Mother = 18 | Anger | Fruit | Recess = 4 |
| Play | Arm | Pole | Apron | Face = 3 | Mother's | Anxiety | Fun | Rose |
| Work | Arms | Pond = 2 | Arms | Faces | Neck | Arms | Garden = 3 | Sadness |
| Baby | Asleep | Rope | Aunt = 2 | Father = 9 | Noise | Aunts | Girl = 3 | Safe |
| Big | Ball = 3 | Safe | Baby = 2 | Father's | Nose | Beards = 2 | God = 3 | School = 4 |
| Blind =2 | Beach | School | Ball | Feet = 2 | Nut | Bed = 2 | Grandmother | Shame |
| Boys = 10 | Bedtime = 2 | Sea | Be careful | Fingers | Partner | Berries = 2 | Grateful | Sister = 3 |
| Catch = 2 | Boats | Shade = 4 | Beasts | Flour | Peel | Blackberries | Gratitude | Snow |
| Child | Boys | Shells | Bedtime | Free | Pet | Blood | Grief = 2 | Son = 2 |
| Doll = 4 | Bread | Sky | Birds | Friend = 2 | Picnic | Books | Happiest = 2 | Sport |
| Dolls | Children = 2 | Sun = 3 | Book = 2 | Friends = 3 | Playmates | Boy = 7 | Head = 3 | Strawberries |
| Eggs | Day | Swing = 2 | Books | Fun | Quiet | Boys = 2 | Heart = 2 | Stronger |
| Eyes | Doll = 5 | Теа | Boy = 7 | Gentlemen | Recess | Brave | Hearts | Supper |
| Fan | Doll's bed | Toys | Boys = 6 | Girl = 5 | Rest = 2 | Bread =2 | Home = 2 | Suspicion |
| Fat | Dolls = 3 | Tree | Brave boy | Girls = 3 | Safe | Bright = 2 | Honest = 3 | Teacher = 2 |
| Feed = 3 | Egg = 2 | Trees | Bread = 3 | Glutton | School = 7 | Brother = 3 | Humor | Tears |
| Girls = 5 | Eggs | Tub | Bread | Grandchildren | Secret | Butter | Husband | Thoughts |
| Good = 2 | Eyes | Water | Bread | Grandfather = 2 | Shadow | Careless | Joy | Time = 3 |
| Griefs | Fat = 2 | Woods = 4 | Brother | Grandmother | Shoes | Child = 2 | Kind = 2 | Tone |
| Hand = 3 | Friends | | Brothers = 2 | Grave | Shoulder = 3 | Children | Kite | Tongues |
| Hands | Garden | | Butter | Hair | Sings | Church | Lesson | Torment |
| Hard at Work | Girl | | Cheeks = 3 | Hand = 4 | Sister = 3 | Comfort | Lessons | Uneasy |
| Hard Work | Girls | | Child = 4 | Hands = 8 | Sisters | Courage = 2 | Lips = 2 | Unkind |
| Kind = 6 | Glasses | | Child | Happier = 2 | Snow | Coward | Lonely = 2 | Unkindness |
| Lad | Grandma | | Child | Happy = 4 | Snowballs | Cruel | Loss | Useful |
| Love | Grass = 2 | | Child | Hard | Son | Danger | Man = 9 | Voice |
| Man = 2 | Hair | | Children = 9 | Hat | Song = 2 | Daughter = 2 | Mates | Waste |
| Men = 3 | Hand = 3 | | Clothes | Head = 3 | Sorry = 2 | Different | Milk | Water |
| Mouth | Hands | | Coat = 2 | Heart | Stockings | Dinner = 3 | Moral | Weapons |
| Man | Happy = 2 | | Comfort | House | Story = 2 | Dishes = 2 | Mother = 11 | Weary |
| Pet | Head = 2 | | Cook | Hymn | Storyteller | Distress = 2 | Mouth | Wheat |
| Pipe | Kite | | Cousin = 2 | Joy | Supper = 3 | Doctor | Mouths | Wife |
| Sat = 2 | Mama | | Dark | Kitchen | Tears | Eager | Neighbors | Wonder |
| Shade | Man = 4 | | Dead | Knee | Voice = 3 | Education | Old | Words = 4 |
| Snowman | Market | | Dinner = 3 | Knees | Voices = 2 | Enjoyment | Oranges | Wretched |
| Tear | Meat | | Doctor | Lashes | Water | Eyelids | Papa = 3 | |
| Time | Men | | Dogs | Laughter | Wheat | Eyes = 9 | Parents = 2 | |
| Watch | Milk | | Doll | Mama | Winter | Face = 2 | Past | |
| Well | Mother = 2 | | Dress | Mamma | Woods | Father = 6 | People = 2 | |
| Woes | Oar | | Ear | Man = 8 | | Feet | Poor = 4 | |
| Woods | Papa | | Ears | Men = 4 | | Folks | Rain | |
| | Pet = 2 | | Eye | Milk | | Friends = 2 | | |

McGuffey Readers Conceptual Keywords

| Primer | First Reader | Second | Reader | Third | Reader |
|--------|--------------|------------|-------------|-------------|-----------|
| Bird | Books | Everyone | People = 2 | Anger | Habits |
| Cars | Home | Flowers | Persons | Books | Home |
| Fish | | Folks | Plan | Brave | Honest |
| God | | Food | Playthings | Church | Humor |
| | | Garden | Questions | Clothes | Lesson |
| | | God = 2 | Sport | Comfort | Loss |
| | | Groceries | Storyteller | Courage = 2 | Love |
| | | Habit | Teacher | Danger | Moral |
| | | Healthy | Toys = 2 | Education | Neighbors |
| | | Home = 4 | Travelers | Enjoyment | People |
| | | Lesson = 2 | Tree | Folks | Thoughts |
| | | Life | Words = 3 | Garden | Time |
| | | | | Gratitude | Wonder |
| | | | | | |

McGuffey Readers Skill-Based Keywords (as Verbs)

| Primer | 1st Reader | 2nd R | eader | | 3 rd Reader | r |
|------------|------------|--------------|-------------------|-------------|------------------------|-------------|
| Cry | Catch = 3 | Amused | Peel | Afraid = 2 | Fell = 2 | Screams |
| Drown = 2 | Dig | Blow bubbles | Plan | Amuse | Fight | Seeing |
| Eat = 2 | Drink | Calling | Play = 5 | Angry = 2 | Forgive= 2 | Seen |
| Fall = 3 | Jump = 3 | Catch | Playing = 2 | Ashamed | Frightens | Shivering |
| Hear = 2 | Look | Clapping | Pray | Asleep = 2 | Gather | Shouted |
| Hold | Play = 5 | Cry = 2 | Quarrel | Bathing | Gave up | Sing |
| Hurt = 5 | Playing | Crying | Ran = 2 | Beware = 2 | G0 = 2 | Singing = 3 |
| Kill | Ran | Danced | Read = 2 | Break | Grieved | Sleep = 3 |
| Laugh = 2 | Reading | Digging | Reading =2 | Broke | Happy = 5 | Sliding |
| Loves = 4 | Reads | Drowned | Row | Care | Hear = 2 Heard = 2 | Smile = 2 |
| Play = 6 | Riding | Drowning | Seeing | Catch | Help = 3 | Sold |
| Ran | Row | Quarrel | Shout | Cheat | Hold | Sorry |
| Rock | Run = 6 | Eat = 3 | Shouting | Conduct | Hang | Speak |
| Ride | See | Embrace | Singing | Clapped | Laughed = 2 | Steps |
| Run = 3 | Singing | Fell = 3 | Sitting | Confused | Laughing = 3 | Struggles |
| Sat = 2 | Sit = 2 | Felt | Skipping | Cried = 2 | Looked | Taste |
| Save = 3 | Skip = 2 | Hear | Sleep = 3 | Cry = 2 | Looking | Tasted |
| See = 4 | Stand | Help | Slipped | Crying = 3 | Looks | Teach = 2 |
| Sing = 2 | Tease | Helping | Smile | Dances | Love Make | Thank |
| Sit | Toss | Hunted | Sprang Stand | Dancing | March | Think = 2 |
| Skates = 3 | Touch | Joke | Stand | Deceived | Pick = 2 | Thinking |
| Smiles | | Jump | Study | Died | Play = 5 | Tired |
| Thinks | | Jumped | Swim = 2 | Discouraged | Pleased | Troubled |
| Walk = 2 | | Kiss | Talked | Disobedient | Plunged | Wakes |
| Walks | | Kissed | Tear = 2 | Dismay = 2 | Pretend | Walking = 3 |
| | | Kneading | Teased | Doing | Promised | Wash |
| | | Knitting | Tripped | Dreaming | Prosper | Washed |
| | | Laugh = 2 | Trudging | Drink = 2 | Protecting Punish | Watch |
| | | Laughed = 2 | Waded Walk = 2 | Drowned = 2 | Ouarreling | Whisper |
| | | Laughing | Walk = 2 Walk | Dying | Ran = 2 | Worked |
| | | Learned | Walking | Eat = 3 | Run | Write = 2 |
| | | Love | Washed | Eating | Running | |
| | | Marched | Weed | Enjoying | Sat | |
| | | Nap | Whisper | Exploring | Satisfied | |
| | | Nursing | Work | Feel | Saved = 2 | |
| | | Obey | | Felt | Screamed | |

Summary Data from the McGuffey Readers

Concepts in the McGuffey Readers

| Primer | First Reader Secon | | d Reader | Third | l Reader |
|--------|--------------------|------------|-------------|-------------|-----------|
| Bird | Books | Everyone | People = 2 | Anger | Habits |
| Cars | Home | Flowers | Persons | Books | Home |
| Fish | | Folks | Plan | Brave | Honest |
| God | | Food | Playthings | Church | Humor |
| | | Garden | Questions | Clothes | Lesson |
| | | God = 2 | Sport | Comfort | Loss |
| | | Groceries | Storyteller | Courage = 2 | Love |
| | | Habit | Teacher | Danger | Moral |
| | | Healthy | Toys = 2 | Education | Neighbors |
| | | Home = 4 | Travelers | Enjoyment | People |
| | | Lesson = 2 | Tree | Folks | Thoughts |
| | | Life | Words = 3 | Garden | Time |
| | | | | Gratitude | Wonder |

| Primer | 1st Reader | 2nd R | leader | | 3 rd Reader | | |
|---|--|---|--|--|--|---|--|
| Primer try try try try trown = 2 teat = | 1st Reader Catch = 3 Dig Drink 3 Junp 3 Laps 4 Pisying Ran Reading Reading Reads Riding Row Run = 6 See Singing Sit = 2 Stand Tease Toss Touch | Amused Blow bubbles Galling Calling Calling Calling Capton Capton Capton Capton Capton Cry = 2 Cry | Peal Peal Fian 5 Fian 5 Fian 5 Fian 2 Fian 2 | Afraid = 2 Anuse Anuse Anuse Anuse 2 Anuse 2 Bating Bavare 2 Brake Carch Cheat Conduct Cispped Conduct Cispped Conduct Cispped Conduct Crigped Cring = 3 Dances Dan | 3rd Read: Fell = 2 Fight one 2 Fight one 2 Fight one 2 Gather Gave up Gather Gave up Gather | er Screams Seeing Seen Singing - 3 Singing - 3 Seek Struggles Taste Taste Taste Taste Taste Taste Taste Taste Thank - 2 Think - 2 Think - 2 Think - 2 Making - 3 Wash Washed Watch Whisper Worked Write = 2 | |
| | | Marched Nap Nursing Obev | Weed Whisper Work | Enjoying Exploring Feel Felt | Sat Satisfied Saved = 2 Screamed | | |

Topics in the McGuffey Readers

| [| Primer | 1" Reader | 2 ⁴⁴ Re | | | Reader |
|-----|-----------------------|----------------|---------------------|----------------------|--------------|-------------|
| 1 | Ama | Air | Apples | Happier = 2 | Anger | Lendy = 2 |
| | Play | Am | Apren | Happy = 4 | Anxiety | Less |
| - 1 | Werk | Arma | Arma | Hard | Arma | Man = 0 |
| - 1 | Baby | Asleep | Aunt = 2 | Hat | Aunta | Mates |
| - 1 | Big | Ball - 3 | Baby = 2 | Head = 3 | Boards = 2 | Milk |
| - 1 | 31m4 -2 | 2 cash | 240 | Here - | Red = 2 | Maral |
| - 1 | Beys - 10 | Bedsime = 2 | Be evenial | Heune | Remine = 2 | Mether = 11 |
| - 1 | Catch = 2 | Besta | B curta | House House | Blackbornes | Mewh |
| - 1 | Child | | Bedtime | | Bleed | |
| - 1 | | Boys | | Jey | | Meutha |
| - 1 | Dell - 4 | Bread | Birds | Xitchen | Beeks | Neighbore |
| - 1 | Della | Children - 2 | Beek - 2 | Xnee | Bey = 7 | 014 |
| - 1 | Eggs | Day | Beeks | Knees | Beys = 2 | Omngen |
| - 1 | Eyes | Dell - S | Bey - 7 | Laho | Brave | Page = 3 |
| - 1 | 7 un | Dell's bed | Beys = 6 | Laughter | Bread -2 | Parenta = 2 |
| - 1 | Fat | Della - 3 | Brave bey | Mama | Bright = 2 | Past |
| - 1 | Feed = 3 | Ecc-2 | Bread - 2 | Mamma | Brether - 3 | Peeple = 2 |
| - 1 | Qida - 5 | Lega | Bread | Man = 8 | Buner | 2007 - 4 |
| - 1 | Ored = 2 | Ive | Rend | Man = 4 | Cartina | 2 ala |
| - 1 | Orich | Fm = 2 | 2 million | 355 | Child = 2 | Zerra - 4 |
| - 1 | Hand = 3 | Friends | Brother = 2 | Mether = 18 | Children | Access - 4 |
| - 1 | Hands - J | Owlen | Butter | Mether's | Church | Sadacas |
| - 1 | Wands Ward at Work | Owten | Checks - 3 | Netk | Comfort | Sadness |
| - 1 | | | | | | |
| - 1 | Hard Werk | Quila | Child - 4 | Neise | Country - 2 | Scheel-4 |
| - 1 | Xind = 6 | Classes | Child | Nese | Censel | Shame |
| - 1 | Lad | Orandima | Child | Nut | Cruci | Sinter = 3 |
| - 1 | Leve | Onus = 2 | Child | 2 utnor | Dunger | Snew |
| - 1 | Man = 2 | Hair | Children - 9 | Peel | Daughter - 2 | Sen - 2 |
| - 1 | Men - 3 | Hand = 3 | Cleikes | 2m | Different | Seen |
| - 1 | Mouth | Hunda | Cest = 2 | Pienie | Dinner = 3 | Sum=bomics |
| - 1 | Man | Happy = 2 | Comfort | 2/avmaics | Dishes = 2 | Swonger |
| - 1 | 211 | Head = 2 | Ceek | Quiet | Distense = 2 | Supper |
| - 1 | Pipe | Xim | Ceusia - 2 | 2 com | Demer | Suspicion |
| - 1 | Set = 2 | Mama | Date | Rest = 2 | Lagor | Teacher = 2 |
| - 1 | Shade | Man = 4 | Dead | Safe | Liucation | Tan |
| - 1 | | Market | Dissue - 3 | Sales] = 7 | | |
| - 1 | Snewman | Market Mean | Dinner - 3 Demer | School = 7 Second | Enjoyment | Thrughts |
| - 1 | Tear | | | | Lyclids | Time = 3 |
| - 1 | Time | Men | Degs | Shadew | Eyes - 9 | Tenc |
| - 1 | Watch | Milk | Dell | Shees | Face = 2 | Tengues |
| - 1 | Well | Methor = 2 | Dress | Sheulder - 3 | Faher = 6 | Terment |
| - 1 | Week | Ow | Ew | Sings | Feet | Uneasy |
| - 1 | Woods | Papa | Ears | Siater = 3 | Felks | Unkind |
| - 1 | Work = 2 | Pet - 2 | Eye | Sistem | Friends = 2 | Unkindness |
| - 1 | | 2 eta | Eym = 5 | Snew | Truit | Confail |
| - 1 | | Dele | Face = 3 | Snewballa | Fun | Voles |
| - 1 | | Pand - 2 | Faces | Sen | Ownion - 3 | Wante |
| - 1 | | Rept | Fasher = 0 | Sens = 2 | Over = 3 | Water |
| - 1 | | 1 also | Tathor's | Serry = 2 | Ord - 3 | Wespens |
| - 1 | | Scheel | Feet = 2 | Steckings | Onedmether | Weary |
| - 1 | | Sea. | Fingen | Story = 2 | Oraceful | Wheat |
| - 1 | | Shade = 4 | Figur | Staryteller | Onstitude | Wife |
| - 1 | | Shelle | Ins | | Orief = 2 | Wender |
| - 1 | | | | Suppor - 3 | | |
| - 1 | | Sky | Friend - 2 | Town | Rappiest = 2 | Words = 4 |
| - 1 | | Sun - 3 | Friends = 3 | Voice = 3 | Head = 3 | Wrench ed |
| - 1 | | Swing = 2 | Fun | Voices = 2 | Heat = 2 | |
| - 1 | | Tes | Oontiomen | Water | Houte | |
| - 1 | | Teys | Oid - S | Wheat | Neme = 2 | |
| - 1 | | Tree | Oida - 3 | Winter | Hencet = 3 | |
| - 1 | | Trees | Olumon | Woods | Humor | |
| - 1 | | Tub | Orundehildren | | Husband | |
| | | Water | Orand Subar = 2 | | Jey | |
| - 1 | | Woods - 4 | Orandmether | | Kind - 2 | |
| 1 | | | Oner | | King | |
| | | | | | | |
| | | | Their . | | | |
| | | | Hair Decision of | | Lesson | |
| | | | Hand - 4 | | Lessons | |
| | | | | | | |

CPBD@MU Topical Key Words

Key Words in the Children's Picture Book Database @ MU

Anteater

Apathy

Ape

Aphid

Apology

Appalachian

Appearance

April Fools

Archeology

Architecture

Argument

Armadillo

Armenian

Arthritis

Asthma

Astronaut

Attention

Australia

Austria

Autism

Autumn

Baboon

Bacteria

Badger

Balloon

Baby

Awareness

Australian

Author's Note

Autobiography

Astronomy

Asian American

Assertiveness

Asian

Arab

Arabian

Arabic

Arctic

Art

Appreciation

Anticipation

Aardvark Aborigine Acceptance Accidents Accomplishment Acrobat Acting Activities Actor Adaptation Adoption Adventures Affection Afghani Africa African African American Aggression Aging Aids Airplane Alcohol Alcoholism Alien Allergies Alligator Alliteration Alphabet Alzheimer's Disease Ambition America American Amish Amphibians Angel Anger Animals Animation Ant Antarctica

Band Bangladesh Bam Baseball Basketball Bat Bath Beach Bear Beauty Beaver Bedtime Bee Beetle Behavior Beliefs Belize Beverage Bias Bicycle Biking Biography Biology Bipolar Birds Birth Birthday Blackbird Blindness Bluebird Bluejay Boar Boat Bodies of Water Body Image Body Parts Bolivian Bones Books Boredom Bowling

Bravery Bridge British Brook Buddhism Buffalo Bug Buildings Bulgaria Bull Bully Bus Business Butterfly Cabin Cactus Cajun Calendar Cambodian Camel Camping Canada Canadian Canary Cancer Canvon Car Cardinal Careers Caribbean Caribou Caring Camival Carriage Cartoons Carving Castle Cat Caterpillar Catfish Cattle

Cave Celebration Cells Ceremony Challenges Chameleon Change Chaos Charity Chickadee Chicken Chicken Pox Child Abuse Child Care Chimpanzee China Chinese Chinese American Chipmunk Chores Christmas Church Cinco De Mayo Circus Citizen Clams Classification Cleanliness Climbing Closeness Clothing Clouds Clowns Cockroach Cocoon Cod Cold Collection Colombian Colors Columbian

Communication Community Companion Comparisons Competition Compromise Computer Concepts Concert Confidence Conflict Conflict Resolution Confusion Congo Consequences Conservation Constellation Constellations Construction Contentment Cooking Cooperation Coping Correspondence Costa Rica Counting Courage Cow Cowboys Covote Crab Crane Crawfish Creativity Creek Creole Cricket Crime Crisis Critical Thinking

Crocodile Crow Crowd Crustaceans Cuckoo Culture Curiosity Customs Cycle Cyclone Czech Dancing Danish Day Davdreaming Days Of The Week Deafness Death Deception Decision Making Dedication Deer Dentist Depression Desert Destruction Detective Determination Devils Diabetes Diary Differences Dingo Dinosaur Direction Disability Disappearance Disappointment Disasters Discipline

Discoverv Discrimination Diseases Disguise Dishonesty Disobedience Diversity Diving Divorce Doctor Dog Dolls Dolphin Donkey Dove Down Syndrome Dragonfly Dragons Drawing Dreams Drought Drugs Duck Dutch Dwarfs Eagle Earth Earth Day Earthquake Easter Echo Editor's Note Education Egret Egypt Egyptian Election Electricity Elephant Elves Embarrassment

CPBD@MU Conceptual Keywords

Concepts in the Children's Picture Book Database @ MU

Acceptance Classification Accidents Collection Accomplishment Colors Activities Community Adaptation Companion Aggression Comparisons Aging Competition Ambition Compromise Amphibians Concepts Confidence Anger Animals Conflict Anticipation Confusion Apathy Cooperation Apology Courage Appreciation Crisis Argument Culture Curiosity Art Customs Assertiveness Attention Cycle Awareness Death Behavior Deception Beliefs Depression Bias Determination Birds Differences Boredom Direction Bravery Disappointment Buildings Discipline Bully Discrimination Diseases Careers Celebration Dishonesty Cells Disobedience Ceremony Diversity Challenges Divorce Change Education Chores Embarrassment

Emotions Empathy Encouragement Energy Entertainment Environment Equality Excitement Exercise Family Fight **Five Senses** Flag Good Forgetful Forgiveness Freedom Friendship Frustration Games Gender Generations Geography Germs Gossip Greed Grief Guilt Habitat Happiness Hard Work Harmony Health Height Heroism

Hobby Holidays Honesty Hope Humor Hygiene Identification Identity Illness Images Imagination Imitation Index Individuality Insects Insecurity Interpretation Inventions Jealousy Keys Kindness Language Laziness Leadership Learning Library Life Loneliness Loss Love Loyalty Machines Manners Maps Market

Marriage Math Medicine Memory Misbehavior Mischief Mistake Money Month Moods Morning Museum Music Nature Negotiation Neighbors Night Numbers Nutrition Obedience Opera Opinions Opposites Parents Party Passion Patience Pattern Peace Performance Persistence Perspective Plants Play Politics

Pollution Poverty Practice Prejudice Presents President Pretend Prevention Pride Privacy Procrastination Progress Protection Quotes Racism Recipe Recognition Recreation Relationship Relaxation Religion Reptiles Research Resentment Resolution Respect Responsibilities Reunion Revenge Rhyme Rhythm Rocks Role Model Routine Royalty

Rude Rules Sadness Safety Science Seasons Secrets Security Seed Segregation Self Confidence Self Esteem Selfishness Separation Sequence Shapes Sharing Shelter Shopping Shyness Siblings Signs Similarities Sizes Sleep Snake Spiritual Sports Stereotypes Stress Success Superstition Support Surprises Survival

Symbols Sympathy Teamwork Technology Temperature Time Tools Toys Traditions Transportation Travel Trust Truth Understanding Uniqueness Unselfish Variety Violence Vocabulary War Wealth Weather Wildlife Wisdom Wish Work Worry

N = 276 words

CPBD@MU Skill-Based Keywords (as Verbs)

Skills (Verbs) in the Children's Picture Book Database @ MU

Acting Biking Camping Caring Carving Climbing Clothing Clothing Communication Cooking Coping Counting Critical Thinking

Dancing Daydreaming Decision Making Diving Drawing Feelings Fishing Giving Goal Setting Graphing Growing Up Hearing Hearing Impaired Helping Hopping Jungling Jumping Learning Listening Missing Misunderstanding Moving Nonverbal Communication Overeating Peer Resistance Playing Problem Solving Reading Recycling Refusal Skills Running Running Away Sewing Sharing Shopping Singing Skateboarding Skating Skiing Skipping Sledding Sledding Spelling Storytelling Stress Management Stuttering

Surfing Swimming Swinging Teaching Teasing Understanding Verbal Communication Walking Writing

N = 80 words

Summary Data from the Children's Picture Book Database @ MU

Concepts in the Children's Picture Book Database @ MU

| Acceptance | Classification | Emotions | Hobby | Marriage | Pollution | Rude | Symbols |
|----------------|----------------|---------------|----------------|-------------|------------------|-----------------|----------------|
| Accidents | Collection | Empathy | Holidays | Math | Poverty | Rules | Sympathy |
| Accomplishment | Colors | Encouragement | Honesty | Medicine | Practice | Sadness | Teamwork |
| Activities | Community | Energy | Hope | Memory | Prejudice | Safety | Technology |
| Adaptation | Companion | Entertainment | Humor | Misbehavior | Presents | Science | Temperature |
| Aggression | Comparisons | Environment | Hygiene | Mischief | President | Seasons | Time |
| Aging | Competition | Equality | Identification | Mistake | Pretend | Secrets | Tools |
| Ambition | Compromise | Excitement | Identity | Money | Prevention | Security | Toys |
| Amphibians | Concepts | Exercise | Illness | Month | Pride | Seed | Traditions |
| Anger | Confidence | Family | Images | Moods | Privacy | Segregation | Transportation |
| Animals | Conflict | Fight | Imagination | Morning | Procrastination | Self Confidence | Travel |
| Anticipation | Confusion | Five Senses | Imitation | Museum | Progress | Self Esteem | Trust |
| Apathy | Cooperation | Flag | Index | Music | Protection | Selfishness | Truth |
| Apology | Courage | Good | Individuality | Nature | Quotes | Separation | Understanding |
| Appreciation | Crisis | Forgetful | Insects | Negotiation | Racism | Sequence | Uniqueness |
| Argument | Culture | Forgiveness | Insecurity | Neighbors | Recipe | Shapes | Unselfish |
| Art | Curiosity | Freedom | Interpretation | Night | Recognition | Sharing | Variety |
| Assertiveness | Customs | Friendship | Inventions | Numbers | Recreation | Shelter | Violence |
| Attention | Cycle | Frustration | Jealousy | Nutrition | Relationship | Shopping | Vocabulary |
| Awareness | Death | Games | Keys | Obedience | Relaxation | Shyness | War |
| Behavior | Deception | Gender | Kindness | Opera | Religion | Siblings | Wealth |
| Beliefs | Depression | Generations | Language | Opinions | Reptiles | Signs | Weather |
| Bias | Determination | Geography | Laziness | Opposites | Research | Similarities | Wildlife |
| Birds | Differences | Germs | Leadership | Parents | Resentment | Sizes | Wisdom |
| Boredom | Direction | Gossip | Learning | Party | Resolution | Sleep | Wish |
| Bravery | Disappointment | Greed | Library | Passion | Respect | Snake | Work |
| Buildings | Discipline | Grief | Life | Patience | Responsibilities | Spiritual | Worry |
| Bully | Discrimination | Guilt | Loneliness | Pattern | Reunion | Sports | |
| Careers | Diseases | Habitat | Loss | Peace | Revenge | Stereotypes | |
| Celebration | Dishonesty | Happiness | Love | Performance | Rhyme | Stress | |
| Cells | Disobedience | Hard Work | Loyalty | Persistence | Rhythm | Success | |
| Ceremony | Diversity | Harmony | Machines | Perspective | Rocks | Superstition | |
| Challenges | Divorce | Health | Manners | Plants | Role Model | Support | |
| Change | Education | Height | Maps | Play | Routine | Surprises | |
| Chores | Embarrassment | Heroism | Market | Politics | Royalty | Survival | |
| N = 276 words | | | | | | | |

Key Words in the Children's Picture Book Database @ MU

| Aardvark | Antester | Band | Bravery | Cave | Communication | Crocodile | Discovery |
|------------------|----------------|-----------------|-------------|------------------|-------------------|-----------------|----------------|
| Aborigine | Anticipation | Bangladesh | Bridge | Celebration | Community | Crow | Discrimination |
| Acceptance | Apathy | Ban | British | Cells | Companion | Crowd | Diseases |
| Accidents | Ape | Baseball | Brook | Ceremony | Comparisons | Crustaceans | Disguise |
| Accomplishment | Aphid | Baskethall | Buddhism | Challenges | Competition | Cuckro | Dishonesty |
| Acrobat | Apology | Bat | Buffalo | Chapeleon | Compromise | Culture | Disobedience |
| Acting | Appalachian | Bath | Bug | Change | Computer | Curiosity | Diversity |
| Activities | Appearance | Beach | Buidings | Chaos | Concepts | Customs | Diving |
| Ader | Appreciation | Bear | Bulgaria | Charity | Concert | Cycle | Diverce |
| Adaptation | April Fools | Beauty | Bull | Chickadee | Confidence | Cyclone | Doctor |
| Adoption | Arab | Beaver | Bully | Chicken | Conflict | Casch | Dog |
| Adventures | Arabian | Bedtime | Bus | Chicken Pox | Conflict | Duncing | Dolla |
| Affection | Arabic | Bee | Business | Child Abuse | Resolution | Dunish | Dolphin |
| Afritani | Archeology | Beetle | Butterfly | Child Care | Confusion | Dav | Donkey |
| Africa | Architecture | Behavior | Cabin | Chimpanzee | Congo | Daydreaming | Dove |
| African | Arctic | Beliefa | Cactus | China | Consequences | Dava Of The | Down Syndrome |
| African American | Accused | Belize | Caiun | Chinese | Conservation | Week | Dragoufly |
| Aggregation | Amadilo | Beverage | Calendar | Chinese American | Constellation | Deafaesa | Dragons |
| Agng | American | Bias | Cambodian | Chipmunk | Constellations | Death | Drawing |
| Aids | Art | Bicycle | Camel | Chores | Construction | Deception | Dreams |
| Airplane | Arthritis | Biking | Camping | Christman | Contentment | Decision Making | Drought |
| Alcohol | Asian | Biography | Canada | Church | Cooking | Dedication | Drugs |
| Alcoholium | Asian American | Biology | Canadian | Cinco De Mayo | Cooperation | Deer | Duck |
| Alim | Assertiveness | Bipolar | Canary | Circus | Coping | Dentist | Dunh |
| Allernies | Arthma | Binds | Cancer | Citizen | Correspondence | Depression | Dwarfs |
| Alligator | Astronaut | Birth | Canvon | Clams | Cesta Rica | Desert | Earle |
| Allowation | Astronomy | Birthday | Car | Classification | Counting | Destruction | Earth |
| Alphabet | Attestics | Blackbird | Cardinal | Cleanliness | Courage | Detective | Earth Day |
| Altheimer's | Australia | Rindness | Carmers | Climbing | Cow | Determination | Earthquake |
| Disease | Australian | Bluebind | Caribbean | Closeness | Cowboys | Devils | Easter |
| Ambition | Austria | Bhaejay | Caribou | Clothing | Covote | Diabetes | Echo |
| America | Author's Note | Boar | Caring | Clouds | Crab | Diary | Editor's Note |
| American | Autism | Boat | Camival | Clowns | Crane | Differences | Education |
| Amish | Autobiography | Bodies of Water | Carriage | Cockroach | Crawfish | Diago | Egoet |
| Amphibiant | Autom | Body Image | Cartoons | Cocoom | Creativity | Disosaur | Egypt |
| Angel | Awareness | Body Parts | Carving | Cod | Creek | Direction | Egyptian |
| Anerr | Baboon | Bolivian | Cartle | Celd | Creole | Disability | Election |
| Animals | Baby | Bones | Cat | Collection | Cricket | Disappearance | Electricity |
| Animation | Bacteria | Books | Caterpillar | Colombian | Crime | Disappointment | Elephant |
| Ast | Badger | Boredom | Catfish | Colors | Crisis | Disasters | Elves |
| Antarctica | Balloon | Bowling | Cattle | Columbian | Critical Thinking | Discipline | Embarrassment |

| Acting | Moving |
|-------------------|-------------------------|
| 5iking | Nonverbal Communication |
| Camping | Overeating |
| Caring | Peer Resistance |
| Carving | Playing |
| Climbing | Problem Solving |
| Clothing | Reading |
| Communication | Recycling |
| Cooking | Refusal Skills |
| Coping | Running |
| Counting | Running Away |
| Critical Thinking | Sewing |
| Dancing | Sharing |
| Daydreaming | Shopping |
| Decision Making | Singing |
| Diving | Skateboarding |
| Drawing | Skating |
| Feelings | Skiing |
| Fishing | Skipping |
| Giving | Sledding |
| Goal Setting | Sliding |
| Graphing | Spelling |
| Growing Up | Storytelling |
| Hearing | Stress Management |
| Hearing Impaired | Stuttering |
| Helping | Surfing |
| Hopping | Swimming |
| Hunting | Swinging |
| Juggling | Teaching |
| Jumping | Teasing |
| Learning | Understanding |
| Listening | Verbal Communication |
| Missing | Walking |
| Misunderstanding | Writing |
| N = 80 words | |

Topical Key words in the McGuffey Readers that also are in the Children's Picture Book Database

| Primer | 1 st | 1 st Reader | | 3 | rd Reader |
|--------------|-----------------|------------------------|------------|--------------|----------------------|
| Play | Ball = 3 | Pond = 2 | Baby = 2 | Anger | Humor |
| Work | Beach | Safe | Bedtime | Bed = 2 | Kind = 2 |
| Baby | Bedtime = 2 | School | Birds | Books | Kite |
| Blind =2 | Boats | Sea | Book = 2 | Child = 2 | Lesson |
| Child | Children = 2 | Shells | Brave boy | Children | Lessons |
| Doll = 4 | Day | Sky | Cook | Courage = 2 | Lonely = 2 |
| Dolls | Doll = 5 | Sun = 3 | Dogs | Different | Loss |
| Griefs | Dolls = 3 | Swing = 2 | Doll | Doctor | Mother = 11 |
| Hard at Work | Friends | Tree | Fun | Education | Neighbors |
| Hard Work | Garden | Trees | Noise | Father = 6 | Poor = 4 |
| Kind = 6 | Glasses | Water | Quiet | Folks | Rain |
| Love | Grandma | Woods = 4 | School = 7 | Friends = 2 | Sadness |
| Pet | Kite | | Secret | Fruit | Safe |
| Snowman | Market | | Shadow | Fun | School = 4 |
| Time | Mother = 2 | | Shoes | Garden = 3 | Snow |
| Woods | Pet | | Snow | God = 3 | Sport |
| Work = 2 | Pets | | Water | Grandmother | Teacher = 2 |
| | | | | Grief = 2 | Time = 3 |
| | | | | Happiest = 2 | Water |
| | | | | Home = 2 | Words = 4 |
| | | | | Honest = 3 | |

Skills and Concepts in the McGuffey Readers that also are in the Children's Picture Book Database

| Skills | | | |
|----------|------------------------|------------------------|------------------------|
| Primer | 1 st Reader | 2 nd Reader | 3 rd Reader |
| Hear = 2 | Jump = 3 | Danced | Dances |
| Play | Play = 5 | Hear | Dancing |
| Run = 3 | Playing | Help | Hear = 2 |
| Sing = 2 | Reading | Helping | Heard = 2 |
| Skates | Run = 6 | Hunted | Help = 3 |
| Walk = 2 | Singing | Jump | Play = 5 |
| Walks | Tease | Jumped | Run |
| | | Learned | Running |
| | | Play = 5 | Sing |
| | | Playing = 2 | Singing = 3 |
| | | Ran = 2 | Walking = 3 |
| | | Read = 2 | Write = 2 |
| | | Reading =2 | |

Concepts

| Primer | 1 st Reader | 2 nd Reader | 3 rd Reader |
|--------|------------------------|------------------------|------------------------|
| Bird | Books | Healthy | Anger |
| Fish | Home | Life | Brave |
| | | Sport | Courage = 2 |
| | | Toys=2 | Education |
| | | | Habits |
| | | | Honest |
| | | | Humor |
| | | | Loss |
| | | | Love |
| | | | Neighbors |
| | | | Time |

Lessons Learned

- Health education print materials, which contain health-related themes, may be a form of health literacy.
- Health literacy involves a variety of messages, materials, and media to educate for health.
- More research is needed on the role of reading materials in educating for health.
- Documents with health-related themes are informed by cultural, sociological, moral, and political perspectives that need to be analyzed through the lens of access and equity.

Because the...."McGuffey Readers addressed topics such as patriotism, civics, government, physiology, the laws of health, morals, and manners".

The McGuffey Readers

A Quality Education for Anyone, Anywhere, Anytime.

| Home | Why McGuffey's? | How to use this site. | | The Readers and eBooks! | | McGuffey's Online Tutor (Videos) | | Booklets & worksheets | |
|---------|------------------|-----------------------|-------------|-------------------------|-----------|----------------------------------|---------------------|-----------------------|--|
| Primers | First and Second | Readers | Third and I | Fourth Readers | Fifth and | Sixth Readers | Certificates of Com | pletion! | |

