



eLibrary and the

New York

State Standards of Learning

Regents Comprehensive Examinations

A Guide for Educators

INCLUDES:

- Over 11,000 relevant documents that support the NY State Standards of Learning
- Correlation of **eLibrary** publications with NY State Standards of Learning
- **eLibrary** mini-research strategies and ideas correlated with the Big 6
- National Information Literacy Standards (AASL/AECT)
- National Technology Standards for Students (ISTE)
- **eLibrary** educational databases and the Internet
- Catalog of available curriculum resources

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eLibrary Resources Support NY State Standards of Learning, Technology & Information Literacy Standards and Textbooks

National and State Academic Standards — During the last 6 years, 49 states in the U. S. have adopted standards that mandate specific academic content and process skills in at least 2 core subjects. The goal of state standards is to improve the quality and consistency of education. These standards come in a variety of formats and may apply only to the core subjects of English Language Arts, Science, Social Studies, and Mathematics, or they may run the gamut of the K-12 curriculum as they do in New York and some other states. Generally, these standards are linked to some form of assessment at the K-5, middle school and the high school levels. These assessments are designed to track student progress, to create a common instructional focus for teachers, and to provide school district accountability to the state. Currently, 48 states administer tests and of those, 41 have state tests aligned with state standards. Most of the states that administer these tests rely on more than multiple choice responses as they strive to measure critical reading, writing and inferential thinking as well as academic content. In addition, there are voluntary national learning standards in each of the subject areas of the curriculum, as well as the National Technology Standards for Students (ISTE) and the National Information Literacy Standards (AASL/AECT). Many of these voluntary standards have been integrated into state learning standards as they have been in **New York**.

bigchalk.com Products and Services -- Any educational products that can support schools and the challenge of standards will be welcome by New York educators. **bigchalk.com** products were created specifically for K-12 education and are presently improving the quality of education in over 40,000 schools in the U. S. eLibrary has won 7 national awards over the last three years for its ease of use and appropriate content for K-12 student research. By continuing to improve its existing products and services and by creating new ones, **bigchalk.com** will support educators and students in their quest to meet and exceed state and national learning standards. **bigchalk.com's** *Information Age* educational products and services are designed to help teachers and students to more effectively use the billions of dollars invested in technology by K-12 schools and thereby **significantly increase student learning**.

Guide for Educators -- The queries and *mini-research strategies* found in this Guide for Educators are correlated with the New York State Standards of Learning. The academic content standards listed for each subject area apply to elementary, middle school, and high school but will be implemented by teachers with more complexity as the educational maturity and grade level of their students increases. Most of the queries and publications shown provide support for secondary education because students at that level have more of the reading, writing, and critical thinking skills that make research-based activities more productive as learning assignments. Teachers can be sure that the student mini-research activities outlined in this guide will help to increase critical reading, critical thinking, writing/presentation skills, technology integration, and information literacy. Teachers will also be able to support and expand the current content of their textbooks as well. **Only those New York standards that are directly supported by eLibrary** mini-research activities and curriculum resources will be listed for each subject. The queries are **designed and tested** to help teachers and students save time in doing research by **retrieving many relevant documents quickly**. This means that teachers and students can concentrate on *working with* relevant information and critical thinking skills and *not waste time looking for it*. This is the educational dividend that accrues to schools who have invested in technology, **eLibrary** and bigchalk.com curriculum resources.

bigchalk.com Curriculum Support Materials -- **bigchalk.com** recognizes the importance of curriculum support materials for librarians and teachers to help implement an integrated Information Age curriculum. New educational tools have been designed to motivate and assist teachers in creating lessons that take advantage of the power of **eLibrary**. A catalog of available curriculum resources and descriptions is included at the end of this document. All of these resources are now available free of charge to New York

schools that subscribe to **eLibrary**, with permission for unlimited duplication when used for staff development and classroom instruction.

One Step Researching -- All queries will result in **10 or more** documents from a variety of publications. This is important for *mini-research* because the same query can be used by many students in the same class and still result in a variety of conclusions and reports, based on the critical thinking strategy employed by the teacher in assigning the topic. **The queries listed are designed to yield a variety of relevant documents and not necessarily to answer the specific natural language questions that are posed.** Question marks are omitted to simplify the keying of the entry. Quotations are used to force the natural language search engine to look specifically for keywords in the exact order shown within the quotation marks. Queries can also be made using *only keywords*. Searches can also be done using Boolean methods and then further refined by limiting them to specific publications, dates, and authors.

Textbook Connections – State learning standards generally correlate with all the major K-12 textbooks. Many of these textbooks are aligned with the standards of the most populous states that use the state textbook adoption process (e.g., Texas, California, and Florida). These states also have the most comprehensive learning standards to guide their adoption process. Since textbooks used in these states are generally the same as those purchased by schools in **New York**, teachers can be reasonably sure that the queries and documents accessed by them support New York standards of learning and their textbooks, too.

ELibrary Mini-Research Supports New York State Testing

A recent trend in standardized testing is the transition to tests that attempt to measure **inferential thinking** through a combination of multiple choice, extended short response, and extended longer response to questions. These tests are more difficult to construct and more difficult to grade than those of the previous era of standardized testing. However, these tests come closer to assessing that combination of content knowledge and essential academic skills that is the goal of the state standards movement.

The trend is clearly away from acquiring academic content through memorization and toward greater recognition of information literacy and critical thinking skills. Bigchalk.com mini-research activities become an important way to help develop these essential academic skills. **Mini-research** focuses on critical reading of information; critical thinking through organization, analysis, and synthesis of that information; and communication of new information and ideas through the writing/presenting process. These processes are **inherent** in well-designed mini-research activities, and their frequency helps to build these skills as well as learning academic content in the core curriculum and other subject areas. Students who are involved in *eLibrary* mini-research are indirectly preparing for the state assessment program without wasting curriculum time in targeted preparation.

Listed below is CTB/McGraw-Hill's description of the TerraNova which is very similar to the new Regents Comprehensive Examinations. **The items highlighted** illustrate the connections between the TerraNova test content and processes that are **inherent** in all bigchalk.com **mini-research** activities.

The TerraNova test provides significant opportunities for students to use short, open-ended responses in all the core curriculum areas, providing a better measure of student performance.

READING

Reading 02: Basic Understanding -- Demonstrate understanding of the literal meaning of a passage through identifying stated information, indicating sequence of events, and defining grade-level vocabulary. Write responses to questions requiring literal information from passages and documents.

Reading 03: Analyze Text -- Demonstrate comprehension by drawing conclusions; inferring relationships, such as cause and effect; and identifying theme and story elements, such as plot, climax, character and setting. Write responses that show an understanding of the text that goes beyond surface meaning.

Reading 04: Evaluate and Extend Meaning -- Demonstrate critical understanding by making predictions; distinguishing between fact and opinion, and reality and fantasy; transferring ideas to other situations; and judging author purpose, point of view, and effectiveness. Write responses that make connections between texts based on common themes and concepts; evaluate author purpose and effectiveness, and extend meaning to other contexts.

Reading 05: Identify Reading Strategies -- Demonstrate awareness of techniques that enhance comprehension, such as using existing knowledge, summarizing content, comparing information across texts, using graphics and text structure, and formulating questions that deepen understanding. Write responses that interpret and extend the use of information from documents and forms and that demonstrate knowledge and use of strategies.

Mini-research activities with eLibrary, as described on pages 3-6, inherently support the reading processes outlined above. Students are assigned or select an issue or topic connected to their current classroom learning unit. Students must then learn how to search for information in eLibrary, and then decide by reading critically which documents are relevant to the issue. By analyzing the significant portions of these documents, they assemble the essence of what will be synthesized into their final reports, using inferential thinking and drawing conclusions.

In addition, because magazines and newspapers are current and related to real-life topics, each student works with information that is fresh and non-redundant from year to year. This is similar to taking the TerraNova where reading material is non-redundant from year to year eliminating the unfair advantage of prior knowledge of content. Access to relevant current information is important because it helps connect students from the world of textbooks to the ever-changing real world.

LANGUAGE ARTS

Language Arts 07: Sentence Structure -- Demonstrate an understanding of conventions for writing complete and effective sentences, including treatment of subject

and verb, punctuation, and capitalization. Demonstrate understanding of conciseness and clarity of meaning in combining two sentences.

Language Arts 08: Writing Strategies -- Demonstrate knowledge of **information sources, outlines and other pre-writing techniques**. Demonstrate an understanding of the use of topic sentences, concluding sentences, connective and transitional words and phrases, supporting statements, sequencing ideas, and **relevant information** in writing expository prose.

Language Arts 09: Editing Skills -- Identify the appropriate use of capitalization, punctuation, nouns, pronouns, verbs, adjectives, and adverbs in existing text. Demonstrate knowledge of writing conventions and sentence structure through identifying and correcting errors in existing text and in text written by the student.

Students who have assembled relevant information from eLibrary, using critical reading skills, must now assemble their reports. During this phase, they will need to use the language skills described above. Developing these essential skills depends in part on the frequency of activities that involve writing with a purpose, using critical thinking. Mini-research inherently provides an educational activity that emphasizes the use of these skills on an ongoing basis.

In order to create their report, students must use outlining and other prewriting skills that are tested in the TerraNova. The exercise of these other essential language skills necessary to the final report depend more on the expertise of the teacher that bigchalk databases and curriculum resources. However, the quick availability of relevant eLibrary educational information, both historic and current, provides the incentive to both student and teacher to facilitate the mini-research process. The availability of free curriculum resources such as the New York eLibrary Guide for Educators, helps teachers to learn how to manage this process. These activities contribute to the integrated goal of Information Literacy in the New York State Standards of Learning

eLibrary Plus contains many publications that are selected to support students in K-8 as well as students who are academically or English language disadvantaged. eLibrary documents can also be sorted by reading level (Flesch Index) to help select documents that are more easily read and understood.

Samples of K-8 Publications – *Boy's Life, Calliope, Children's Digest, Children's Playmate Magazine, Cobblestones, Faces, Highlights for Children, Humpty Dumpty's Magazine, Jack & Jill, Junior Scholastic, Kid's Wall Street News, Ranger Rick, Storyworks, Time for Kids, World Almanac for Kids, Young Student's Learning Library.*

SCIENCE

Science 19: Science Inquiry -- Demonstrate an understanding of the fundamental concepts of science inquiry. Demonstrate the ability to perform science inquiry. Through

text, diagrams, and drawings, provide explanations of investigations, **analyze investigations**, and communicate results.

Science 20: Physical Science -- Demonstrate an understanding of the fundamental concepts and principles of physical science. Apply physical science knowledge to investigations and **real-world contexts**. Through text, diagrams, and drawings, provide explanations of physical science concepts and principles.

Science 21: Life Science -- Demonstrate an understanding of the fundamental concepts and principles of life science. Apply life science knowledge to investigations and **real-world contexts**. Through text, diagrams, and drawings, provide explanations of life science concepts and principles.

Science 22: Earth and Space Science -- Demonstrate an understanding of the fundamental concepts and principles of Earth and space science. Apply Earth and space science knowledge to investigations and **real-world contexts**. Through text, diagrams, and drawings, provide explanations of Earth and space science concepts and principles.

Science 23: Science and Technology -- Demonstrate an understanding of technological design. Demonstrate an understanding of **how technology and science interact and affect one another**. Through text, diagrams, and drawings, provide explanations of technological design and **science and technology issues**.

Science 24: Personal and Social Perspectives in Science -- Demonstrate an understanding of the fundamental concepts and principles of science that have a direct impact on **personal and social issues**, such as personal **health, populations, resources, environment, and technology**. Through text, diagrams, and drawings, provide explanations of science concepts and principles that **directly affect people and society**.

Science is a rapidly changing core area of the curriculum. Student mini-research activities are a great way to extend the value and currency of science textbooks and connect students to **real-world issues and problems**. The **New York eLibrary Guide for Educators** is a free curriculum resource that provides easy access to more than 3,000 timely Science and Technology documents that support Life, Physical, and Earth/Space Science.

SOCIAL STUDIES

Social Studies 26: Geographic Perspectives -- Demonstrate an understanding of concepts and **process skills** related to the study of the world's people, places, and environments, and their interactions over time. Construct answers, use **geographic tools**, and **create solutions or products using inquiry skills** and knowledge related to geographic perspectives.

Social Studies 27: Historical and Cultural Perspectives -- Demonstrate an understanding of concepts and **process skills** related to the study of time, continuity, and societal change throughout history. Demonstrate an understanding of concepts and process skills related to the study of the contributions, influences, and interactions of various cultures. Construct answers and **create solutions or products using inquiry skills** and knowledge related to historical and cultural perspectives.

Social Studies 28: Civics and Government Perspectives -- Demonstrate an understanding of concepts and **process skills** related to the study of civic responsibilities and the structures and functions of government. Construct answers **and create solutions or products using inquiry skills** and knowledge related to the role of **today's citizens** and the structures and functions of government.

Social Studies 29: Economic Perspectives -- Demonstrate an understanding of concepts and **process skills** related to the study of the production, distribution, and consumption of goods and services at local, regional, and global levels. Construct answers and **create solutions or products using inquiry skills** and knowledge related to economic perspectives.

The [eLibrary Guide for New York Educators](#) provides easy access to over 4,000 current and historic documents that support the 4 Social Studies strands listed above. The mini-research process provides the vehicle to practice the process skills that encourage students to create solutions or products that use the inquiry skills that are tested in the New York Regents Comprehensive Examinations.

eLibrary Supports English Language Arts Standards

STANDARD I: Students will read, write, listen, and speak for information and understanding

1. interpret and analyze complex informational texts and presentations, including technical manuals, professional journals, newspaper and broadcast editorials, electronic networks, political speeches and debates, and primary source material in their subject area courses
2. synthesize information from diverse sources and identify complexities and discrepancies in the information
3. use a combination of techniques (e.g., previewing, use of advance organizers, structural cues) to extract salient information from texts

4. make distinctions about the relative value and significance of specific data, facts, and ideas
5. make perceptive and well developed connections to prior knowledge

**Use bigchalk Mini-Research Strategies to
Turn Queries into Critical Thinking Exercises**

Information only becomes knowledge when it is used to make comparisons, predict consequences, evaluate effectiveness, form connections, and is then communicated to an audience with a purpose.

Elementary School (Who, What, When, Where?)

Reports should be mostly factual, require one good source (usually an encyclopedia article), and be delivered in a **summarized** (extracting the most important information) or a **paraphrased** (synthesizing and restating the most important information) report of less than 100 words. Students should be encouraged to attach an appropriate picture or map to the report.

Middle School (Who, What, When, Where, Why and How?)

Students should be required to use 2 or 3 sources. Reports can be written, oral, or created by teams. Reports should be between 100 and 200 words. Encyclopedic information is appropriate as one source only if it supports the 2 strategies listed below:

- **Compare/Contrast** – Students research two similar leaders, authors, artists, countries, works, ideas, etc. and show how they are both alike and/or how they are different.

Examples: Russia and Poland; humans and chimpanzees; The Bible and the Koran; classical and contemporary music; Abraham Lincoln and Franklin Delano Roosevelt; the Greeks and the Romans.

- **Critique** – Students research a popular idea, custom, tradition, modus operandi, belief, or trend, and provide a logical argument for revising, eliminating, or expanding it.

Examples: Eating eggs and red meat is bad for your heart; elections are always held on Tuesdays; no pain, no gain; the national debt will lead us into bankruptcy; to succeed, all students should go to college; affirmative action laws lead to lowering of standards, over time.

High School (Who, What, When, Where, How, and Why/Why Not, What If?)

Students should be required to use 3 or 4 sources. Reports can be written (200 to 300 words), oral (3 to 5 minutes) or in teams. With appropriate technology and training, a PowerPoint presentation should also be encouraged. Reports should require a summary document attached as a bibliographic reference to provide authentication. See the following Web site for more information on research models: (<http://www.education.elibrary.com/resources/>). Strategies for mini-research should include predicting, evaluating, and persuading.

- **Persuade** -- Students research a controversial issue, select a position (or teachers could assign the position), and then create an argument to support their opinion.

Examples: Students should have a right to free education through college; professional athletes are paid too much money; does literature reflect or drive society? euthanasia should be permitted under appropriate controls; some illegal drugs should be legalized; the federal government should pass and enforce new gun control legislation.

- **Predict** – Given a recent event, discovery, law, or invention, predict what will happen in the near future. Given a past event or series of events, create a scenario that may occur in the near future.

Examples: The “Greenhouse Effect” is making the world warmer; predict what will happen if nothing is done by the year 2005; predict what sports will be most popular in 10 years and explain why; careers and jobs are changing rapidly; what jobs will be most in demand 10 years from now, and why? How will the Internet affect business, social life, and education? How will the International Space Station affect science, politics, and economics; how will the new Euro affect the economies of Europe?

- **Evaluate** – Given a recent (in the last 5 years) change in a law, political leader, rules and regulations, organizational structure, invention, or discovery, summarize and evaluate the progress that may have been made in society because of that change.

Examples: The passing of the NAFTA treaty; the dissolution of the Soviet Union; the introduction of distance learning courses by major colleges; welfare reform; doing business on the Internet; the launch and repair of the Hubble telescope.

Tailoring eLibrary Mini-Research Strategies To Meet the Needs of Your Students

A single research topic can provide a range of mini-research activities that can be tailored with the appropriate degree of difficulty levels for all your students. The same basket of documents retrieved from one query can be used to answer a variety of research questions.

TOPIC: GLOBAL WARMING
QUERY: What causes global warming

Possible Mini-Research Strategy

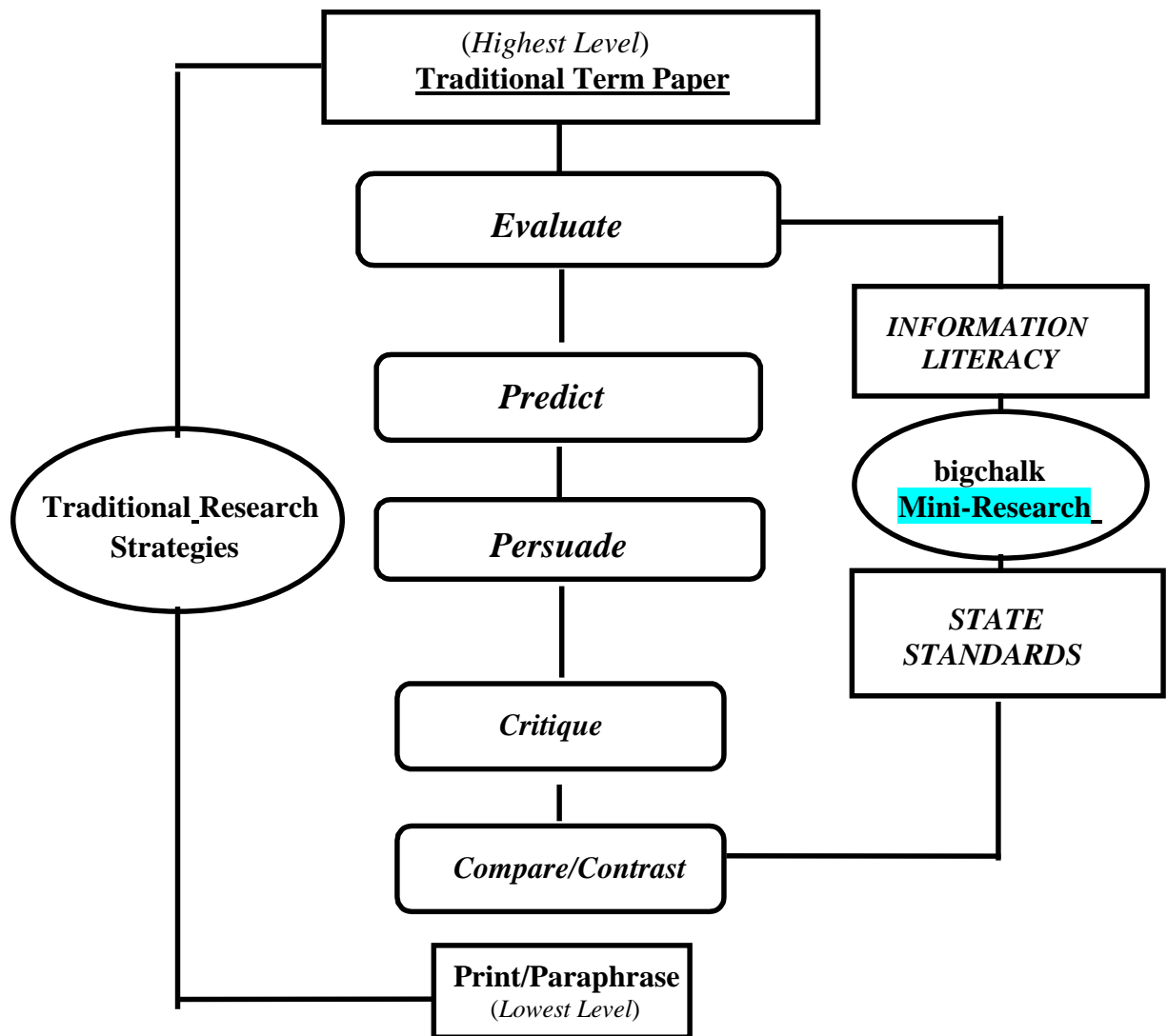
Expand:	What is global warming? (<i>look up and paraphrase – lowest level</i>)
Compare/Contrast:	Compare the weather patterns in the U. S. today with the patterns 100 years ago. (<i>intermediate level critical thinking skills</i>)
Critique:	What actions by society have contributed to global warming?
Predict:	Predict what will happen in the future if nothing is done to reverse global warming.
Persuade:	Persuade the U. S. Government to pass laws that would help to reverse global warming.
Evaluate:	Evaluate the effectiveness of the past actions taken by government and business to prevent further global warming. (<i>highest level</i>)

BIGCHALK.COM MINI-RESEARCH PROCESS

Advantages of Mini-Research Activities with eLibrary

1. Easier for students to complete than traditional research papers
2. Takes less classroom and homework time
3. Can be assigned in any subject area
4. Shorter, more frequent assignments reinforce critical thinking skills and Information Literacy
5. Mini-research strategies, ideas and models available for teachers
6. Mini-research activities keep textbook learning current in all areas and support State Standards
7. Summary Document model and method presents ways to prevent plagiarism
8. Mini-research models integrate critical thinking designs into research

Research Spectrum of Critical Thinking Skills



eLibrary Supports National Information Literacy Standards

The following standards were adopted by the American Association of School Librarians (ALA) in June of 1998. Standard 8 has been omitted because it is not **directly** supported by eLibrary.

1. The student who is information literate **accesses** information efficiently and effectively.
2. The student who is information literate **evaluates** information critically and competently.
3. The student who is information literate **uses information** accurately and creatively.
4. The student who is an independent learner is information literate and pursues information related to **personal interests**.
5. The student who is an independent learner is information literate and appreciates literature and other **creative expressions of information**.
6. The student who is an independent learner is information literate and strives for excellence in **information seeking and knowledge generation**.
7. The student who contributes positively to the learning community and to society is information literate and recognizes the **importance of information** to a democratic society.
9. The student who contributes positively to the learning community and to society is information literate and **participates effectively in groups** to pursue and generate information.

INFORMATION LITERACY encompasses the full range of abilities that students need to interact effectively with information and to construct meaningful knowledge. These abilities include:

- analyzing *complex and conflicting presentations* of information;
- appreciating the *variety of perspectives* offered by individual viewpoints, disciplines, and cultural understandings;
- using information competently in *critical thinking, decision making* and *problem solving*;
- producing new information and *creating products and presentations* that communicate ideas efficiently and effectively;
- *acting responsibly* in regard to information; and
- developing into lifelong learners who can *assimilate varying viewpoints*, accommodate change, and contribute to the well-being of the community.

The Research Process and MLA Citing for Electronic Sources

Curriculum Resources for Research: “A Teacher’s Guide to the Mini-Research Process©” at this Web site (www.education.elibrary.com/resources/) and ideas for research at (www.researchpaper.com)

An Educational Library of Millions of Documents — Each eLibrary natural language search accesses up to 12 million full-text documents from 6 media types: 180 regional, national and international newspapers/newswires; over 720 full-content magazines, over 210,000 transcripts of 70+ TV and radio new and opinion shows, 334,000+ documents from 160 reference books and works of literature (including 3 encyclopedias), 150,000+ photos, and 2,700+ historic and current maps of the U. S. and the World. Of course, students and teachers can select all or any combination of these media types through easy-to-use search options.

The Big 6 Research Process and eLibrary **Mini-Research** Strategies

The Big 6 is a popular, broad-based approach to research developed by Michael B. Eisenberg and Robert E. Berkowitz. Using this approach, librarians and teachers can integrate information literacy and technology into research activities from K-12 through college. To find out more about the Big 6 research process, visit their Website at www.big6.com.

THE BIG6 RESEARCH PROCESS	bigchalk.com MINI-RESEARCH STRATEGIES
1. Task Definition —What needs to be done?	There are <u>7 mini-research strategies</u> that are based on 3 increasing levels of critical thinking. Coordinated teacher and student research planners help organize this step.
2. Information Seeking Strategies —What resources can I use?	Mini-research depends on minimizing time spent on searching. Using <i>eLibrary</i> and <i>ProQuest</i> <u>saves valuable classroom/library time</u> to encourage greater use of research activities by teachers.
3. Location and Access —Where can I find these resources?	eLibrary databases contain as many as <u>12 million full-text</u> documents from 6 media types, many of them updated daily.
4. Use of Information —What can I use from these resources?	Mini-research demands the same Big 6 <u>critical browsing/ reading</u> of documents for relevancy. Students can easily focus on the task because all eLibrary documents are backed by publisher authority.
5. Synthesis —What can I make to finish the job?	<i>The Teacher's Guide</i> provides <u>guidelines</u> and <u>models</u> for the steps of organizing, analyzing, interpreting, synthesizing, and reporting of student research based fact and reasoned opinion.
6. Evaluation —How will I know I did my job well?	<i>The Teacher's Guide</i> provides guidelines for teachers to evaluate student reports based on the use of critical thinking skills employed in the process.

eLibrary and the INTERNET

The **Internet** is a valuable educational tool for many student learning experiences: virtual field trips, email discussions with experts, collaborating on projects over time with students in other places, accessing a variety of original historic documents, pen-pal activities with students in other countries, using educational simulations, and participating in distance learning activities. But all of these activities require well planned learning strategies, time, and management techniques to ensure that classroom time is used efficiently and that real and measurable learning takes place.

When teachers need to access authoritative, library-quality, and curriculum appropriate educational information for research activities, many schools prefer using eLibrary rather than *Surfing the Internet*. eLibrary’s award-winning educational databases contain library-quality, K-12 appropriate, full-text documents. Students can find the information they need quickly, giving them more time to use and develop critical thinking skills—10% of time and effort for searching with 90% remaining for critical reading, analyzing, synthesizing, writing, and learning. Whether students use the *Internet* or *Big Chalk* databases, the key to learning is what students are expected to do with the information that they retrieve.

<i>Surfing the Internet for Research</i>	<i>Using eLibrary for Research</i>
No monitoring for authority and accuracy	All library-quality publisher information
Navigating many different interfaces wastes time and may frustrate students	Navigating an interface designed for students saves time for learning
Information overload, most of it irrelevant, wastes time sifting through it	K-12 appropriate content only that can be sorted by publication, title, author, and date
No method to select age-appropriate material	All document lists can be sorted by reading level
A variety of graphic and text formats that can cause difficulty with printing and saving	All documents/ graphics use consistent, standard formats for easy printing and saving
Student use may require filters and supervision	Only curriculum-related, kid-safe information
Advertising and graphics can distract students and slow down searching	No content included in the interface or in documents that distracts students from task
Dead links; many sites not updated	Content updated every 24 hours by satellite

**bigchalk.com Supports the the
National Educational Technology Standards For Students (NETS)**

The International Society for Technology in Education (ISTE) standards for students are divided into six broad categories. Standards within each category are to be introduced, reinforced, and mastered by students. These categories provide a framework for linking performance indicators found within the Profiles for Technology Literate Students to the standards. Most of the states have integrated all or part of NETS into their state learning standards. Teachers can use these standards and profiles in planning technology-based activities in which students achieve success in learning, communication, and life skills.

Basic operations and concepts

- Students demonstrate a sound understanding of the nature and operation of technology systems.

- Students are proficient in the use of technology.

Social, ethical, and human issues

- Students understand the ethical, cultural, and societal issues related to technology.
- Students practice responsible use of technology systems, information, and software.
- Students develop positive attitudes toward technology uses that support lifelong learning, collaboration, personal pursuits, and productivity.

Technology productivity tools

- Students use technology tools to enhance learning, increase productivity, and promote creativity.
- Students use productivity tools to collaborate in constructing technology-enhanced models, preparing publications, and producing other creative works.

Technology communications tools

- Students use telecommunications to collaborate, publish, and interact with peers, experts, and other audiences.
- Students use a variety of media and formats to communicate information and ideas effectively to multiple audiences.

Technology research tools

- Students use technology to locate, evaluate, and collect information from a variety of sources.
- Students use technology tools to process data and report results.
- Students evaluate and select new information resources and technological innovations based on the appropriateness to specific tasks.

Technology problem-solving and decision-making tools

- Students use technology resources for solving problems and making informed decisions.
- Students employ technology in the development of strategies for solving problems in the real world.

STANDARD 2: Students will read, write, listen, and speak for literary response and expression.

1. read and view independently and fluently across many genres of literature from many cultures and historical periods
2. identify the distinguishing features of different literary genres, periods, and traditions and use those features to interpret the work
3. recognize and understand the significance of a wide range of literary elements and techniques, (including figurative language, imagery, allegory, irony, blank verse, symbolism, stream-of-consciousness) and use those elements to interpret the work
4. understand how multiple levels of meaning are conveyed in a text
5. read aloud expressively to convey a clear interpretation of the work
6. evaluate literary merit based on an understanding of the genre, the literary elements, and the literary period and tradition.

STANDARD 3: Students will read, write, listen, and speak for critical analysis and evaluation.

1. analyze, interpret, and evaluate ideas, information, organization, and language of a wide range of general and technical texts and presentations across subject areas, including technical manuals, professional journals, political speeches, and literary criticism
2. evaluate the quality of the texts and presentations from a variety of critical perspectives within the field of study (e.g., using both Poe's elements of a short story and the elements of "naturalist fiction" to evaluate a modern story)

Queries that Support the English Language Arts Standards 2-3

Each of the examples shown below illustrates how to query eLibrary. They are designed primarily to support research in secondary schools. However, **by varying the questions** to include titles and authors that are more appropriate to elementary and middle school curriculums, excellent results can be obtained.

Reading—Fiction and Nonfiction—American Authors

Query: Who was Ogden Nash

Query: Who was "Mark Twain"

Query: Who was "Ralph Waldo Emerson"

Query: Who wore the "Scarlet Letter"

Query: Who wrote the "Raven"

Query: What is the theme of the "Great Gatsby"

Query: What is African-American literature

Query: Who was Ernest Hemingway

Query: What are the poems of Henry Wadsworth Longfellow

Query: Who was Harriet Beecher Stowe

Query: What are some themes of the plays of "Arthur Miller"
Query: Who was Walt Whitman
Query: What is the Pulitzer Prize
Query: What is the Nobel Prize for Literature
Query: Who was "Alice Walker"
Query: Who was "Herman Melville"
Query: Who wrote the "Invisible Man"
Query: Who was "Ayn Rand"
Query: Who was "Willa Cather"
Query: Who wrote the "Catcher in the Rye"
Query: Who was "Emily Dickinson"
Query: Who is "Ray Bradbury"
Query: Who is Stephen Spielberg
Query: What are the top 100 novels
Query: Who was "Alex Haley"
Query: Who was "William Faulkner"
Query: Who was "James Michener"
Query: Who was "Pearl Buck"
Query: Who was "Maya Angelou"

Reading Literature—Fiction and Nonfiction—World Authors

Query: What is Chinese literature
Query: What is Indian literature
Query: What is African literature
Query: What is Hispanic literature
Query: What is Scandinavian literature
Query: What is French literature
Query: What is Arabic literature
Query: What is Russian literature
Query: What is Japanese literature
Query: Was Hamlet insane
Query: Who was "Robert Louis Stevenson"
Query: Who was "Aldous Huxley"
Query: What are the "I des of March"
Query: Who wrote "All Quiet on the Western Front"
Query: Who was "William Golding"
Query: Who was "James Joyce"
Query: Who was "H. G. Wells"
Query: Who was "Joseph Conrad"
Query: Who is "Alexandr Solzhenitsyn"
Query: What is "comic relief" in tragic drama
Query: What is Haiku poetry
Query: Who was the "Thane of Cawdor"
Query: What are the characteristics of the "Theater of the Absurd"
Query: Who was "Victor Hugo"

Query: What is the Nobel Prize for Literature

Query: Who was "Robert Burns"

Query: Who was "William Wordsworth"

Query: Who was Niccolo Machiavelli

Query: Who wrote "Pygmalion"

Query: Who was "Robert Frost"

Query: Who was "Leo Tolstoy"

Query: Who was "Charles Dickens"

Query: Who was "Charlotte Bronte"

Query: Who was Geoffrey Chaucer

Query: Who was the poet Homer

Query: What is children's literature

- **Publication: World Literature Today**— The works of poets and authors of various countries of the world are reviewed, and can motivate reading of books by a specific author. Students use the search option feature to designate this title in the *Publication box*, the author in the *Author box*. Then in the *Query box*, leave 1 space (using the space bar), before clicking on *Search*.
- **Publication: Twentieth Century Literature**—Essays and reviews of the works of 20th Century authors and poets. Use the search option to designate this title in the *Publications box*. Students then type the name of the author or poet that they would like to know more about in the *Author box*. Then in the *Query box*, leave 1 space (using the space bar), before clicking on *Search*. Information about the author **can motivate** the reading of a book by that author.
- **Publication: Monarch Notes**--Use the search option feature and then designate this title in the *Publications box*. Students then type the name of a renowned author or poet in the *Author box*. Then in the *Query box*, leave 1 space (using the space bar), before clicking on *Search*. Information obtained about the author **can motivate** the reading of a book by that author.
- **Publication: Great Works of Literature**—Selected works from over 100 world-famous classic authors and leaders including: Aesop, Hans Christian Anderson, Robert Browning, John Donne, Ralph Waldo Emerson, Jakob Grimm, Washington Irving, Ben Jonson, John Keats, Abraham Lincoln, Henry Wadsworth Longfellow, John Milton, Edgar Allen Poe, Sir Walter Scott, William Shakespeare, Alfred Lord Tennyson, Walt Whitman, and William Wordsworth. Students use the search option feature to designate this title in the *Publication box*. Then in the *Author box*, enter the last name of the classic author. Then in the *Query box*, leave 1 space (using the space bar), before clicking on *Search*.
- To find a Robert Frost poem about fences (or any other author), use the *Search Option*. In the *Author box* type FROST. Type FENCES in the *Query box*, and click on *Search*.
- To get **reviews** of literature, music, and theatre, use the search option and in the *Title box* type REVI EW. In the *Query box* type the name of the work to be reviewed.

Writing

The selected content of each publication below provides ideas and brainstorming for writing: Each query strategy shown below requires the use of the search option feature **before** querying to limit searching to the following publications. Type the name of the publication in the *Publication box*, then and type the appropriate query in the *Query box*, and click on *Search*.

- Publication: **Stack of Decades**—Teacher selects the beginning year of a decade such as 1930, 1850, 1790 (33 decades range from 1650 to 1980) to search for famous events in literature and history that could motivate research and writing about a person, book, event, or other item that would capture the student's attention. Writing could be in the form of a newsletter that reflects the unique interest of each student about that decade.
- Publication: **Similes Dictionary**—Teacher assigns a range of themes that could be selected and used to query the publication: adversity, honesty, charity, love, hate, etc. The similes retrieved would be the basis of a short essay on the topic.
- Publication: **World's Best Poetry**—Teacher selects a range of topical keywords such as faith, oceans, trees, dogs, nature, hero, etc. that would be found a many poems. Students query the publication with the selected word to locate poems that contain this theme. Students select a poem and write a critical review of what the poem means and what they liked or disliked about it.
- Publication: **World's Best Poetry**—Teacher selects a range of topical keywords such as faith, oceans, trees, dogs, nature, hero, etc. that would be found as themes in many poems. Students query the publication with the selected word to locate poems that contain this theme. Students browse a selected poem and, using the integrated thesaurus, highlight at least 10 words that could be changed without changing the meaning or the rhyme of the poem. The student will then print and read the revised poem to the class.
- Publication: **The Great American Gripe Book**— To use this publication, leave 1 blank space (space bar) in the *Query box*, ***after*** typing the name of the publication in the search options box. Students browse through the gripe categories and select one that interests them. Within each of the 100 categories are a list of specific, real-life gripes that would serve to motivate a 150 to 200 word essay about a similar frustration encountered in the student's personal life.
- Publication: **Picturesque Expressions—A Thematic Dictionary**— To use this publication, type the name of a literary theme such as stupidity, honesty, friendship, etc. in the Query box, ***after*** typing the name "**Picturesque**" in the *Publication box* of search options. Students browse the categories to locate the origin of picturesque phrases

that are related to the literary theme. Students report the origin of 5 of these phrases to the class.

- Publication: **The Complete Works of Shakespeare**—Teacher prepares a list of famous quotations from Shakespeare. Student selects a quote from the list and enters it in the query box (**after** designating the publication listed above in the *Publication box*). **eLibrary** finds the section of the appropriate Shakespearean work for review and interpretation by the student. Interpretation can take the form of a **mini** oral or written report.

Writing Techniques

Query: What is racist propaganda

Query: What is literary allusion

Query: What are mnemonic devices

Query: What is poetic license

Query: What are copyright laws for authors

Query: What are stream of consciousness novels

Query: What is a literary genre

Query: What is classic literature

Query: What are the universal themes in literature

Query: What is imagery in literature

Query: What is a simile

Query: What is a romantic comedy

Query: What is alliteration

Query: What is a satire

Query: What is an allegory

Query: What is a malapropism

Query: What is a spoonerism

Language Skills

eLibrary contain an integrated **dictionary** and **thesaurus**. As students browse any document, they can choose to investigate unknown words by highlighting them and clicking on the appropriate icon.

Samples of Publications that Support Language Arts Standards

eLibrary databases contain full-text content of 720 magazines, 180 regional, national and international newspapers and newswires, and 220,000+ transcripts of 70+ TV and radio news and opinion shows that cover a wide variety of topics. Included in this mix, are 60+ publications that are specifically focused on literature and literary reviews and opinion.

Literature & Literary Reviews

Essays in Literature, Monarch Notes, Wilson Quarterly, Symposium, ANQ, Cineaste, College Literature, The Complete Works of Shakespeare, World's Best Poetry, Great Works of Literature, Parabola, Ploughshares, The Explicator, Commonweal, Biography, Criticism, Science Fiction Chronicles, Storyworks, American Poetry Review, New York Review of Books, Literary Cavalcade, Junior Scholastic, Poetry, Studies in English Literature, Studies in Short Fiction.

References For Writing

Webster's New World Dictionary & Thesaurus, Stack of Lists, Picturesque Expressions—A Thematic Dictionary, Hutchinson Dictionary of British History, Columbia, World Book and Canadian Encyclopedias, Stack of Decades, World and U. S. Almanacs, Young Students Learning Library, Events Day-by-Day, Similes Dictionary, The Writer, Writer's Digest, American Journalism Review

eLibrary Supports Mathematics Standards

The following standards are excerpted from the McREL National Standards for Mathematics which represent a summary of the existing learning standards of 45 different states. (www.mcrel.org)

- Understands that mathematics has been helpful in practical ways for many centuries
- Understands that mathematics began long ago to help solve practical problems
- Understands that theories in mathematics are greatly influenced by practical issues; real-world problems sometimes result in new mathematical theories and pure mathematical theories sometimes have highly practical applications
- Understands that new mathematics continues to be invented even today, along with new connections between various components of mathematics

Queries that Support Mathematics Standards

- Query: What is Fermat's last theorem
Query: Who was Albert Einstein
Query: What are fractal images
Query: Who was Sir Isaac Newton
Query: What is the Pythagorean Theorem
Query: What is a Cartesian Curve
Query: What is chaos theory
Query: What is string theory
Query: What is a geometric progression
Query: Who was Charles Babbage

Query: [What is a geodesic dome](#)
Query: [What is Boolean logic](#)
Query: [What is the concept of infinity](#)
Query: [What is the value of "imaginary numbers"](#)
Query: [What is binary arithmetic](#)
Query: [What is a mobius strip](#)
Query: [What was the geometry of Euclid](#)
Query: [Who was "I saac Barrow"](#)
Query: [What are Fibonacci numbers](#)
Query: [What are random numbers](#)
Query: [What is an algorithm](#)
Query: [What is cryptography](#)
Query: [What is statistical theory](#)
Query: [What is artificial intelligence](#)
Query: [What is "set theory"](#)
Query: [What are prime numbers](#)
Query: [Who was Archimedes](#)
Query: [Who was Karl Gauss](#)
Query: [Who was Gottfried Leibniz](#)
Query: [What are "transcendental numbers"](#)
Query: [What is the "theory of probability"](#)
Query: [Who was Blaise Pascal](#)
Query: [What is the Taniyama-Shimura theory](#)

- The diagrams in Hutchinson's Encyclopedia provide a way for teachers to print a variety of mathematical concepts that can be printed or saved and then converted into overhead projector or computer displays for class study and discussion. In the *Publication* box type **Hutchinson's Encyclopedia**. To explore partial lists of diagrams in geometry type **angles, geometry,** or **numbers** in the *Search* box and then *Search*.

eLibrary Supports Science & Technology Standards

Science: Students will understand and apply scientific concepts, principles, and theories pertaining to the physical setting and living environment and [recognize the historical development of ideas in science.](#)

Physical Setting

1. The earth and celestial phenomena can be described by principles of relative motion and perspective.
2. Many of the phenomena that we observe on Earth involve interactions among components of air, water, and land.

3. Matter is made up of particles whose properties determine the observable characteristics of matter and its reactivity.
4. Energy exists in many forms, and when these forms change energy is conserved.
5. Energy and matter interact through forces that result in changes in motion.

Queries That Support the Learning Standards for Physical Setting

Physical Science

- Query: What is electromagnetic radiation
- Query: What is quantum mechanics
- Query: What is Einstein's theory of relativity
- Query: How does a nuclear reactor create energy
- Query: What is the refraction of light
- Query: What is the electromagnetic spectrum
- Query: What is a voltaic cell
- Query: Who won the Nobel Prize in Physics
- Query: Is there matter in the universe
- Query: How does energy change into matter
- Query: What is a gyroscope
- Query: What is supersonic speed
- Query: What are the properties of plasma
- Query: What is cryogenics
- Query: What is nuclear fission
- Query: What is a quark
- Query: How is the "red shift" used to measure acceleration of stars
- Query: Who was Sir Isaac Newton
- Query: What is the electromotive force
- Query: What is the process of nuclear fusion
- Query: How are magnetism and electricity related
- Query: What is the law of inverse squares
- Query: What is electromagnetic induction
- Query: What are magnetic fields
- Query: What is semiconductor technology
- Query: What are convection currents

Chemistry

- Query: What are the halogen elements
- Query: What is organic chemistry
- Query: What is a biochemical reaction
- Query: What is a neutron
- Query: Who was Arrhenius
- Query: What is an antioxidant
- Query: What is an ionic bond
- Query: What is an electrolyte

Query: What is chlorophyll
Query: What are electron clouds
Query: What are chemical weapons
Query: What is chemical equilibrium
Query: How are isotopes used
Query: How are the inert gasses used
Query: What is a hydrocarbon
Query: What are the noble metals
Query: What is absolute zero
Query: What is an alchemist
Query: How do catalysts aid in chemical reactions
Query: What is sharing of electrons
Query: What are the basic particles of the atom
Query: How is a molecule formed
Query: What is the periodic table of the elements
Query: What is a half-life of a radioactive element
Query: Who won the Nobel Prize in Chemistry
Query: What is the conservation of energy law
Query: What are chemical thermodynamics
Query: How is "Boyle's Law" used
Query: What is the chemistry of carbon
Query: What is the kinetic molecular theory
Query: How is "carbon dating" used in archeology
Query: What is the kinetic molecular theory

The Living Environment

1. Living things are both similar to and different from each other and nonliving things.
2. Organisms inherit genetic information in a variety of ways that result in continuity of structure and function between parents and offspring.
3. **Individual organisms and species change over time.**
4. The continuity of life is sustained through reproduction and development.
5. Organisms maintain a dynamic equilibrium that sustains life.
6. **Plants and animals depend on each other and their physical environment.**
7. **Human decisions and activities have had a profound impact on the physical and living environment.**

Queries That Support the Learning Standards for the Living Environment

Environmental Science

Query: What is the gypsy moth
Query: What are the danger of pesticides
Query: What are some organic ways to control insects
Query: What are energy efficiency ratings
Query: What is cost-benefit analysis

Query: What are non-renewable resources
Query: What is a biosphere
Query: What causes river pollution
Query: What are the functions of a watershed
Query: What are fossil fuels
Query: What is the process of natural selection in an environment
Query: How does human activity impact the ecosystem
Query: What is the value of recycling of materials
Query: What is acid rain
Query: What is the carbon cycle
Query: What is the nitrogen cycle
Query: What is the "Exxon Valdez"
Query: What are fish ladders
Query: What is the "forest conservation"
Query: What was the "Dust Bowl"
Query: What causes global warming
Query: What is the ozone layer of our atmosphere
Query: How do we prevent air pollution
Query: What is the EPA
Query: What is the oxygen cycle
Query: What is ecology
Query: What is the water cycle
Query: What is solar energy
Query: How do dams help conservation
Query: What is solid waste management
Query: How is waste paper recycled
Query: How are hazardous materials disposed of
Query: What is the "Clean Air Act"
Query: What are the regulations for asbestos
Query: What is the "Sierra Club"
Query: Who was "John Muir"
Query: Who was "Rachel Carson"
Query: Who was "Mary Leakey"
Query: Who was "Margaret Mead"
Query: Who is "Jane Goodall"

Life Science and Biology

Query: What is the agricultural revolution
Query: What is gene-splicing for plants
Query: What is hydroponics
Query: How do plants adapt to the environment
Query: What causes genetic mutation
Query: How do fish use bioluminescence
Query: What caused the extinction of the dinosaurs
Query: How do plants adapt to the environment

Query: What is the interdependence of living things
Query: What are plankton
Query: What is the "food chain" in an ecosystem
Query: What is chromosomal aberration
Query: How do ecosystems change over time
Query: How does an abiotic component affect an ecosystem
Query: What is the chemistry of the brain
Query: What are monoclonal antibodies
Query: What are hormones
Query: What is mitosis
Query: Who discovered penicillin
Query: What is genetic cloning
Query: What is the theory of evolution
Query: How does heredity shape who we are
Query: What is genetic diversity
Query: What is asexual reproduction
Query: How does DNA control cell structure and function
Query: What is biological diversity
Query: What is gene-splicing for plants
Query: What caused the extinction of the dinosaurs
Query: What are the Galapagos I slands
Query: What is an amphibian
Query: What are "super bugs"
Query: What is hibernation
Query: What is vaccination
Query: What is a viral disease
Query: What is the ocean food web
Query: What is bioethics
Query: What are nucleic acids
Query: What is the carbon dioxide cycle
Query: Is there extraterrestrial life

- **Publication:** **Earth Life Forms** – This collection of pictures of a variety of mammals, fish, birds, reptiles, dinosaurs, etc. can enliven reports for students. Type **Earth Life** in the *Publications box* and one of the categories listed previously in the *Query box*. You can also type just the name of the life form that interests you in the *Query box* rather than a category.

Technology: Students will apply technological knowledge and skills to design, construct, use, and evaluate products and systems to satisfy human and environmental needs.

Tools, Resources, and Technological Processes

- Technological tools, materials, and other resources should be selected on the basis of safety, cost, availability, appropriateness, and **environmental impact**; technological processes change energy, information, and material resources into more useful forms.

Computer Technology

- Computers, as tools for design, modeling, information processing, communication, and system control, have greatly increased human productivity and knowledge.

Technological Systems

- Technological systems are designed to achieve specific results and produce outputs, such as products, structures, services, energy, or other systems.

History and Evolution of Technology

- Technology has been the driving force in the evolution of society from an agricultural to an industrial to an information base.

Queries That Support the Learning Standards for Technology Systems

- Query: What is spamming
- Query: What are IEEE standards
- Query: What is the universal serial bus
- Query: What are computer hackers
- Query: What is the Melissa virus
- Query: Who were the Luddites
- Query: What is a V.90 modem
- Query: What are technology literacy standards for education
- Query: What is Web TV
- Query: Who is Bill Gates
- Query: Who is Steve Jobs
- Query: What is software pirating
- Query: What is a wireless WAN
- Query: What is Comdex
- Query: What is Unix
- Query: What is a disk drive
- Query: What is RAM memory
- Query: What is DOS
- Query: What is "flash memory"
- Query: What is firewire
- Query: What is cache memory
- Query: What is the Internet
- Query: What is bandwidth
- Query: What is a browser
- Query: What is distance learning
- Query: What is a "palmtop computer"
- Query: What is "push technology"
- Query: What is genetic cloning

Query: What is a global positioning satellite
Query: What are encryption codes
Query: Where is "Silicon Valley"
Query: What is Y2K
Query: What is E-Commerce
Query: Who invented the computer
Query: What is "visual basic"
Query: What is Motorola
Query: What is a "pentium chip"
Query: What is Linux
Query: What is Windows 98
Query: What is the Java language

Impacts of Technology

- Technology can have positive and negative impacts on individuals, society, and the environment and humans have the capability and responsibility to constrain or promote technological development.

Queries That Support the Learning Standards for Technology Applications

Query: What is a dirigible
Query: What are oil pipelines
Query: What are examples of new scientific phenomena
Query: What is the Fermilab
Query: What is the debate over evolution and creationism
Query: What is a mohole
Query: What experiments will be performed on the "space station"
Query: Can earthquakes be prevented
Query: What does NASA do
Query: How will the Internet and E-Commerce affect consumers
Query: What are organ transplant banks
Query: What is the human genome project
Query: What are the advantages of nuclear fusion
Query: What are the advantages of electric automobiles
Query: Who were the Luddites
Query: What happened at Stonehenge
Query: What is the "Gregorian Calendar"
Query: What is a laser beam
Query: What is the "Saturn Rocket"
Query: What are telecommunication satellites
Query: What is a boomerang
Query: What are "natural gas pipelines"
Query: What is a seismograph
Query: What is aerial photography

Query: What is a global satellite positioning system
Query: How are plastics recycled
Query: What are the uses of kevlar
Query: What is goretex
Query: What is the fishing industry
Query: What is the mining industry
Query: What is a diamond mine
Query: What is a gold mine
Query: What is North Sea crude
Query: What is a bathysphere
Query: What is a subliminal message
Query: What are aerodynamic designs
Query: What is the transatlantic cable
Query: What is an aircraft carrier
Query: What is diver decompression
Query: What is the Chunnel
Query: What is a "PET scan"
Query: What is a UFO
Query: What is the "Golden Gate Bridge"
Query: What is the "Great Wall of China"
Query: What is the "Alaska Pipeline"
Query: What is the "Panama Canal"
Query: What is the "Three Gorges Dam"
Query: What is the "Aswan Dam"
Query: What are the pyramids

World Famous Scientists and Inventors

Query: Who was Jacques Cousteau
Query: Who was Thomas Alva Edison
Query: Who was Alexander Graham Bell
Query: Who was "Buckminster Fuller"
Query: Who were the Wright Brothers
Query: Who was "Jonas Salk"
Query: Who was Marie Curie
Query: Who was Charles Babbage
Query: Who was Wilhelm Roentgen
Query: Who invented the computer
Query: Who was "Rube Goldberg"
Query: Who invented the "metric system"
Query: Who invented the telescope
Query: Who invented radar
Query: Who invented the transistor
Query: Who was Enrico Fermi
Query: Who was Leonardo da Vinci
Query: Who was Copernicus

Query: Who was Albert Einstein
Query: Who was Alfred Nobel
Query: Who was Niels Bohr
Query: Who was Hideki Yukawa
Query: Who are Luis and Walter Alvarez
Query: Who is Susumu Tonegawa
Query: Who was Francis Crick
Query: Who was I van Pavlov
Query: Who was Tsung-dao Lee
Query: Who was Satyendra Bose
Query: Who was Antoine Henri Becquerel
Query: Who was Linus Pauling
Query: Who was Vladimir Zworykin
Query: Who was Johann Christian Doppler

- The diagrams and pictures of Hutchinson's Encyclopedia provide a way for teachers to print a variety of scientific pictures that can be printed or saved and then converted into overhead projector or computer displays for class study and discussion. In the *Publication* box type **Hutchinson's Encyclopedia**. To get partial lists of diagrams/pictures in Earth Science, type **earth** or **rocks** or **cycles** in the *Search* box and then *Search*. This is a way to explore and develop your own lists. For Life Science, type any of the following: **plants**, **animals**, **cells**, **human**, **body**, **insects**, **birds**. For Physical Science type any of the following: **energy**, **stars**, **atoms**.
- If you need to get **interviews** with the many of **today's leading scientists**, select only the *Transcripts Icon*. This will allow you to access all the current TV and radio shows from ABC, CBS, Fox, and NPR. Type the name of the scientist in the *Search* box and then search.

Interconnectedness: Common Themes: Students will understand the relationship and common themes that connect mathematics, science, and technology and apply the themes to these and other areas of learning.

Systems Thinking

- Through systems thinking, people can recognize the commonalities that exist among systems and how system parts interrelate and combine to perform specific functions.

Patterns of Change

- Identifying patterns of change is necessary for making predictions about future behavior and conditions.

Optimization

- In order to arrive at the best solution that meets criteria within constraints, it is often necessary to make tradeoffs.

Queries That Support the Learning Standards for Interconnectedness

Query: What is the debate over evolution and creationism

Query: What causes droughts

Query: Can earthquakes be prevented

Query: What caused the extinction of the dinosaurs

Query: How do we prevent air pollution

Query: What is global warming

Query: What is geothermal energy

Query: What causes the change in weather patterns

Query: How do fossils show the changes in the earth

Query: How are coral reefs created

Query: How are magnetism and electricity related

Query: How is energy produced on the sun

Query: What is the "solar system"

Query: What causes glaciers

Query: What is a neutron star

Query: What is the Milky Way

Information Systems: Students will access, generate, process, and transfer information using appropriate technologies.

1. Information technology is used to retrieve, process, and communicate information and as a tool to enhance learning.
2. Knowledge of the impacts and limitations of information systems is essential to its effective and ethical use.
3. Information technology can have positive and negative impacts on society, depending upon how it is used.

CONTROVERSIAL ISSUES IN SCIENCE

See pages 2 through 9 for details of how eLibrary supports the standards for Information Systems and Information Literacy through the mini-research process. The mini-research strategy for the issues below is Persuade.

Should the process of genetic cloning be illegal?

Query: What are the benefits of cloning genes

Query: What are the ethical implications of genetic cloning

Query: What are the hazards of cloning genes

Query: What is transgenics

Should the United States be involved with the International Space Station?

Query: Should funding for NASA be increased

Query: What are the benefits of space exploration

Query: Is the International Space Station a waste of money

Should the United States spend billions of dollars on particle physics research?

Query: What is a quark

Query: What is quantum mechanics research

Query: What is particle physics research

Query: What is the Large Hadron Collider

Query: What is the Fermilab

Should the government be directly involved in the Human Genome Project?

Query: What is the human genome project

Query: What businesses are mapping the human genome

Query: Can the human genome map be patented

Should women be allowed to use fertility drugs that may result in multiple births?

Query: Who pays for the costs of multiple births

Query: What are fertility drugs

Query: Is it ethical to remove selected fetuses in a multiple pregnancy

Do environmentalists have too much power to regulate the use of the environment?

Query: What are endangered species

Query: What are the disadvantages of environmental regulations

Query: What is the EPA

Query: What is the "Sierra Club"

Query: How is business affected by environmental regulation

Should the public schools teach creationism in concert with evolution?

Query: What is the Scopes Monkey Trial
Query: Who was Clarence Darrow
Query: What states mandate the teaching of creationism
Query: What are the arguments for creationism
Query: Is evolution a theory

Is life, as we know it, possible on other planets?

Query: Is there life on Mars
Query: Who was Carl Sagan
Query: How many planets are there in the universe
Query: Is there any evidence of intelligent life in the universe
Query: What is the search for extra-terrestrial life

Should fetal tissue experimentation be legal?

Query: What is fetal tissue research
Query: Is it ethical to use fetal tissue for experimentation
Query: Are there any benefits from fetal tissue research

elibrary Publications that Support Science

Physical Science/Chemistry

Scientific American, Popular Science, Discover, Omni, ScienceNOW, Science, Popular Mechanics, N. Y Public Library Science Desk Reference, Science, Hutchinson's Encyclopedia, American Scientist, Science News, Science World, Sciences

Life Sciences/Biology/Environment

Moseby's Medical Encyclopedia, National Wildlife, International Wildlife, Healthfacts, Organic Gardening, Ranger Rick, Horticulture—The Art of Gardening, Scientific American, Hutchinson's Encyclopedia, Earth Life Forms—Animals, Health News, Flower & Garden, Environment, E Magazine, Mother Earth News, Sierra, EPA Journal, Ecology

Earth and Space Science

Weatherwise, Rocks & Minerals, World Wastes, Ecodecision, Earth Explorer, Astronomy, Journal of Paleontology, National Parks, Odyssey, Sky and Telescope, Whole Earth, N. Y Public Library Science Desk Reference, Flight Journal, Natural History

Technology Applications

Technology Review, Electronic News, Computerworld, Personal Computing, Internet Week, HomePC, Popular Science, Popular Mechanics, Hutchinson Dictionary of Computing, Multimedia, and the Internet, Online Magazine, Dot.com, Computer User, Information Today, Database Magazine, InfoWorld, Electronic Engineering Times, How the New Technology Works, The Futurist, Multimedia Technology from A - Z, Chemical Week, Engineer, Engineering & Mining Journal, Issues in Science and Technology

eLibrary Supports Social Studies Standards

STANDARD I: History of the United States and New York

- analyze the development of American culture, explaining how ideas, values, beliefs, and traditions have changed over time and how they unite all Americans
- describe the evolution of American democratic values and beliefs as expressed in the Declaration of Independence, the New York State Constitution, the United States Constitution, the Bill of Rights, and other important historical documents.

Queries That Support the Learning Standards for U. S. History

U.S. history to 1880.

Query: What is Jamestown

Query: Who was "William Penn"

Query: Who founded the colony of Georgia

Query: Who was the pioneer Daniel Boone

Query: What were the Articles of Confederation

Query: What was the "French and Indian War"

Query: Who wrote the "Declaration of Independence"

Query: What was the surrender at Yorktown

Query: Who was Benjamin Franklin

Query: Why did the British burn Washington

Query: What happened at "Valley Forge"

Query: What was the "Connecticut Compromise" to the Constitution

Query: What was the "Monroe Doctrine"

Query: What was the "War of 1812"

Query: What was the "Bonhomme Richard"

Query: What was the "Battle of Tippecanoe"

Query: What was "The Trail of Tears"

Query: Who was Stonewall Jackson

Query: What was the "Louisiana Purchase"
Query: What is the Monroe Doctrine
Query: Who were "Lewis and Clark"
Query: Who are the Mormons
Query: When was the "Battle of the Alamo"
Query: What is a "Bowie Knife"
Query: What was the "gold rush"
Query: What was the "Comstock Lode"
Query: Who was "Edwin Drake"
Query: What was the "Gadsden Purchase"
Query: Who was General "Robert E. Lee"
Query: Who was "Ulysses S. Grant"
Query: What was the Underground Railroad
Query: What were the Monitor and the Merrimac
Query: What is the "Emancipation Proclamation"
Query: What is the "Gettysburg Address"
Query: Was Andrew Johnson impeached
Query: What was the "Mexican War"
Query: Who was "Ulysses S. Grant"
Query: What was the "Cross of Gold" speech
Query: Who was "Samuel Colt"
Query: What is the Alaska Purchase
Query: What was the "wild west"
Query: Who was "Buffalo Bill Cody"
Query: Who was the outlaw "Jesse James"
Query: What is the Klondike
Query: Who was "Sitting Bull"

U.S. history from 1880 to the present

Query: When was the first transcontinental railroad
Query: Who are the monopolists
Query: Who were the "robber barons" of the industrial revolution
Query: Who was Andrew Carnegie
Query: What is the Spindletop Gusher
Query: Who was Henry Ford
Query: What is a philanthropist
Query: Who was "Thomas Alva Edison"
Query: Who said "Remember The Maine"
Query: Who was "Theodore Roosevelt"
Query: What was the sinking of the Lusitania
Query: What is the "Treaty of Versailles"
Query: What was the "Roaring Twenties"
Query: What is "Women's Suffrage"
Query: What was the "Great Depression"
Query: What was the "AF of L"

Query: What was the "New Deal"

Query: What is Mein Kampf

Query: Who was Franklin Delano Roosevelt

Query: What was the "Yalta Conference"

Query: What is the "Enola Gay"

Query: Who was Tojo

Query: What is V-J Day

Query: What was the "Normandy Invasion"

Query: What is Japan's infamous Unit 731

Query: What is a "U-boat"

Query: What is a kamikaze pilot

Query: What were the Nuremberg Trials

Query: What was the "Marshall Plan"

Query: What was the "Iron Curtain"

Query: What is brainwashing

Query: Who was General Douglas MacArthur

Query: Where is the Yalu River

Query: What was the Inchon invasion

Query: Who assassinated President Kennedy

Query: What was the "Cuban Missile Crisis"

Query: What was the Civil Rights March on Washington

Query: What was the "Tet Offensive"

Query: When did the Vietnam War end

Query: What is the NASA space program

Query: What is a "nuclear submarine"

Query: What is NATO

Query: What is the Nuclear Arms Treaty

Query: What is the "strategic oil reserve"

Query: Who is Ronald Reagan

Query: What was the War in the Falklands

Query: What was "Operation Desert Storm"

Query: What is the dissolution of the Soviet Union

Query: What is "Operation Desert Fox"

Query: What is Bosnia

Query: What is impeachment

- To get the history and information about each of the states of the U. S., type **Almanac** in the *Publication* box. Type the name of the state in *the Search* box and *Search*. This *Results list* will also contain comparisons of the target state with other states by comparing, population, ethnicity, religion, government, etc.

History of New York State

Query: Where is New York (Maps only icon)

Query: Who is Mayor Guiliani

Query: Who is Governor Pataki

Query: Who was Nelson Rockefeller
 Query: What is West Point Military Academy
 Query: What is the Hudson River
 Query: What are New York wineries
 Query: What is the Verrazano-Narrows Bridge
 Query: Who is Senator Moynihan
 Query: What is the World Trade Center
 Query: What is the New York Stock Exchange
 Query: Who are the Mohawk Indians
 Query: What is the Statue of Liberty
 Query: What is a "ticker tape parade"
 Query: What is Niagara Falls
 Query: What is the St. Lawrence Seaway
 Query: What is "the house that Ruth built"
 Query: What are the Finger Lakes
 Query: What is the Port of New York
 Query: What is a Broadway play
 Query: What is Times Square
 Query: What is Lake Champlain
 Query: What is the Erie Canal
 Query: Where is the United Nations
 Query: Who was Elizabeth Cady Stanton
 Query: Who was Franklin Delano Roosevelt

- **Publication:** **Her Heritage - A Biographical Encyclopedia of Famous American Women**— To access these biographies type **Her Heritage** in the *Publication box* and then the **name** of the famous American woman that interests you in the *Query box*.

STANDARD 2: World History

- define culture and civilization, explaining how they developed and changed over time.
- investigate the various components of cultures and civilizations including social customs, norms, values, and traditions; political systems; economic systems; religions and spiritual beliefs; and socialization or educational practices
- understand the development and connectedness of Western civilization and other civilizations and cultures in many areas of the world and over time
- analyze historic events from around the world by examining accounts written from different perspectives
- understand the broad patterns, relationships, and interactions of cultures and civilizations during particular eras and across eras
- analyze changing and competing interpretations of issues, events, and developments throughout world history.

Queries That Support the Learning Standards for World History

The world from its beginnings to the time of the Renaissance

- Query: What is an anthropologist
- Query: What is an archeologist
- Query: What is a historian
- Query: What is the "fertile crescent"
- Query: What happened in the "Bronze Age"
- Query: Who was Hammurabi
- Query: What was the "Iron Age"
- Query: What is homo erectus
- Query: Who was the "Ice Man" found in the Alps
- Query: What were the "Seven Wonders of the Ancient World"
- Query: How do the Nile River floods aid agriculture in Egypt
- Query: What is the "Valley of the Kings" in Egypt
- Query: What is the "Rosetta Stone"
- Query: What is the "Great Rift Valley"
- Query: What were the Greek city-states
- Query: Who was Aristotle of Athens
- Query: What were the ancient Greek Olympic Games
- Query: Who was "Alexander the Great"
- Query: Who was Cleopatra
- Query: Who was "Augustus Caesar"
- Query: What are the "Dead Sea Scrolls"
- Query: What was the "Roman Empire"
- Query: What is Roman law
- Query: What was the Byzantine Empire
- Query: What is the Cyrillic alphabet
- Query: What was the "Holy Roman Empire"
- Query: What is the Caste System
- Query: Who was Buddha
- Query: What was the Aztec empire
- Query: What was the Inca Empire
- Query: What was the Mayan empire
- Query: What was the kingdom of Songhai
- Query: What was the Ming dynasty
- Query: What was the Tokugawa shogunate
- Query: Who was Charlemagne
- Query: Who was "Attila the Hun"
- Query: What were the "Dark Ages"
- Query: When was the first Crusade
- Query: Why did Marco Polo travel on the Silk Road
- Query: What was the political system of Feudalism
- Query: Who was "Kublai Khan"
- Query: What is the impact of the "Mongol Empire"

Query: What is the importance of the Magna Carta
Query: When were the voyages of Amerigo Vespucci
Query: What was the "Bubonic Plague"
Query: What were the voyages of Columbus
Query: What were the major turning points that caused revolutions in world history
Query: What were the Voyages of Ferdinand Magellan

Western and Eastern civilization since the Renaissance.

Query: What is the Spanish Armada
Query: Who was Nostradamus
Query: What was the Inquisition
Query: Who was "Galileo Galilei"
Query: Who was Leonardo da Vinci
Query: What was the Protestant Reformation
Query: Who was Napoleon Bonaparte
Query: What was the "Age of Enlightenment"
Query: Who was "Peter the Great"
Query: What is Absolutism
Query: What was the "Glorious Revolution"
Query: What is the "Northwest Passage"
Query: What was "French Colonialism"
Query: What was the sinking of the Lusitania
Query: Who was "Kaiser Wilhelm"
Query: What was the Bolshevik revolution
Query: Who was Lenin
Query: What were the "Axis Powers"
Query: What is the Maginot Line
Query: What is totalitarian government
Query: Who dropped the atomic bomb on Hiroshima
Query: What is the "Third Reich"
Query: What is the "Holocaust"
Query: What was the "Cold War"
Query: What is the DMZ
Query: What was the "Iron Curtain"
Query: What was the "Gulag Archipelago"
Query: What are the Problems in the Middle East
Query: What is the "Nobel Peace Prize"
Query: What caused the collapse of the Soviet Union
Query: What does the "United Nations" do
Query: What was the Cambodian Holocaust
Query: What is the Tiananmen Square massacre
Query: What is the war in Bosnia

- To get information about the **history of a specific country of the world**, type WORLD HISTORY in the *Publication box* of the *Limit Search* option. Then type the name of the

country in the *Query box*. As you browse the *Results List*, the name of the country may not appear in many of the documents because the information about the country may be integrated with the history of the region. Open the document and then use the *Go To The Best Part* feature to locate the information.

Each publication listed below will provide information that reinforces the historical standard of chronology. Use the *Search Option* and in the *Publication box* type the name of the publications listed here. In the *Search box*, type the decade or the day you are researching, then *Search*.

- Publication: **Stack of Decades**—Teacher selects the beginning year of a decade such as 1930, 1850, 1790 (33 decades range from 1650 to 1980) to search for famous events in history that could motivate research and writing about a person, event, discovery, invention, etc. that would capture the student's interest. Research on any item in the Stack can be started from within the Stack by *highlighting* the item and then clicking on *New Search*. Writing could be in the form of a newsletter that reflects the unique interest of each student about that decade.
- Publication: **Events-Day-By-Day**—Type the name of the month and day (MAY 15) in the *Query box*. Your results will list prominent people that were born or died on that day, historical events, holidays around the world, etc.
- Publication: **Stack of Lists**—Enter the name of a famous person, scientist, inventor, explorer, military leader, composer, author, etc. in the *Query box*. You may also enter many places, bodies of water, mountains, etc. Use the *Search option* to designate the **Stack of Lists** in the *Publication box*. A list of related persons or topics will be generated for many queries, so experiment. The list can be used to discover more about other people/items on the list when the brainstorming session is ended.

Unique Current Events Support

- When researching **current global events** on **eLibrary**, it is interesting to get the perspective of the event from a foreign newspaper or newswire. Use the *Search Option* and type the name of one of the following: The News (Mexico), Hong Kong Standard, Itar-Tass (Russia), Korean Times, Xinhua News Agency, (China), The Daily Telegraph (Great Britain), The Star (Jordan), The Canadian Press, Jakarta Post, Jerusalem Post. Then type the query that focuses on the current event in the *Query box*, then *Search*.
- For **editorial opinions on a variety of topics**, use the *Search option* and type EDITORIAL in the *Title box*. In the *Query box* type a topic that is likely to generate editorial opinion: gun control, open space, Kosovo, Columbine, etc.
- If you need to get **interviews** with the many of **today's national and world leaders**, select only the *Transcripts Icon*. This will allow you to access all the current TV and radio shows from ABC, CBS, Fox, and NPR. Type the name of the leader in the *Search box* and then search.

STANDARD 3: Geography

- understand how to develop and use maps and other graphic representations to display geographic issues, problems, and questions
- describe the physical characteristics of the Earth's surface and investigate the continual reshaping of the surface by physical processes and human activities
- investigate the characteristics, distribution, and migration of human populations on the Earth's surface
- understand the development and interactions of social/cultural, political, economic, and religious systems in different regions of the world
- analyze how the forces of cooperation and conflict among people influence the division and control of the Earth's surface
- explain how technological change affects people, places, and regions.

Queries That Support the Learning Standards for Geography

- Query: What is Machu Pichu
- Query: What is the Great Barrier Reef
- Query: What is the "Khyber Pass" used for
- Query: Who built the Panama Canal
- Query: Was there migration across the Bering Strait
- Query: What is the importance of the Strait of Hormuz
- Query: How were the Great Lakes formed
- Query: What is the Amazon rain forest
- Query: What is the Suez Canal
- Query: What is the Hoover Dam and Lake Mead
- Query: What is the continental divide
- Query: Where is the continent of Antarctica
- Query: Where is the "Marianas Trench"
- Query: Where is the Strait of Magellan
- Query: Where are the Himalaya Mountains
- Query: Where is Death Valley
- Query: Where is the Caspian Sea
- Query: What is a geographer
- Query: What is a cartographer
- Query: Where is the "Arctic Circle"
- Query: What are the "horse latitudes"
- Query: Where is the Grand Canyon
- Query: Where is the Bay of Fundy
- Query: Where is the Gulf Stream ocean current
- Query: Where is the Humboldt Current
- Query: Where is the "Bermuda Triangle"
- Query: Where is the Sargasso Sea
- Query: Where is the Kamchatka Peninsula
- Query: Who was "Roald Amundsen"
- Query: What is the Trans-Siberian railroad

Query: What is the "Orient Express"
Query: What is the "Northwest Passage"
Query: Where is the equator
Query: Where is the "Panama Canal"
Query: Where is the North Pole
Query: Where is "Death Valley"
Query: Where is the "Great Salt Lake"
Query: What is latitude and longitude
Query: What is the "international date line"
Query: What is the "Tropic of Capricorn"
Query: Where is the "Dead Sea"
Query: What is a map
Query: What is the "Greenwich Meridian"

To Get 2,700+ Current and Historic Maps

- *Turn off* the **icons** for all media types except **maps**. Then type the name of any country, state or continent in the query box *before* clicking on the search button.
- To get maps of terrain, population, vegetation, land use, temperature, and precipitation for a region, turn on the *Maps icon* and then in the *Search options* type one of the 6 criteria listed here in the *Title* box. In the *Query* box, type the name of the region such as Europe, Asia, etc.
- To get historic maps of the U. S and the world, *type* **Maps.com** in the *Publication* box, and then *type* United States, Europe, Asia, World, Vietnam, etc.

To Get Information on a Specific Country

- **Publications:** Countries of the World, Frommer's Travel Guides, the Passport Series, Columbia Encyclopedia, Young Student's Learning Library and the Canadian Encyclopedia. Use the *Limit Search* option and in the *Publication* box type the first word of one of the publications listed here, then *OK*. In the *Query* box, type the name of the country and search.

STANDARD 4: Economics

- analyze the effectiveness of varying ways societies, nations, and regions of the world attempt to satisfy their basic needs and wants by utilizing scarce resources
- define and apply basic economic concepts such as scarcity, supply/demand, opportunity costs, production, resources, money and banking, economic growth, markets, costs, competition, and world economic systems
- understand the nature of scarcity and how nations of the world make choices which involve economic and social costs and benefits

- describe the ideals, principles, structure, practices, accomplishments, and **problems related to the United States economic system**
- compare/contrast the United States economic system with other national economic systems, focusing on the three fundamental economic questions
- **explain how economic decision making has become global as a result of an interdependent world economy**
- **understand the roles in the economic system of consumers, producers, workers, investors, and voters.**

Queries That Support the Learning Standards for Economics

- Query: What is "investment capital"
- Query: What is deregulation
- Query: How does a "market economy" allocate scarce resources
- Query: What is "Central Planning" in economics
- Query: What is the 'International Monetary Fund"
- Query: What is a "capital gain" on a stock investment
- Query: What is the fiscal policy of the federal government
- Query: How does a "market economy" determine wages and prices
- Query: What is econometrics
- Query: What is the barter system
- Query: What is the flat rate income tax
- Query: What are federal government subsidies
- Query: Who was "Karl Marx"
- Query: What is monetary policy by the Federal Reserve
- Query: What is an economic recession
- Query: What is the European Economic Union
- Query: What is the NAFTA treaty
- Query: What is the theory of "comparative advantage" in world trade
- Query: What is the Federal Reserve banking system
- Query: What happens at the New York Stock Exchange
- Query: What is the "law of supply and demand"
- Query: What is the progressive income tax
- Query: What are the economic advantages of Communism
- Query: What are capitalistic countries
- Query: What is the "balance of trade" deficit
- Query: What is the GATT treaty
- Query: Who is Captain Euro
- Query: What is the "gold standard"
- Query: What is the "prime rate"

STANDARD 5: Civics, Citizenship and Government

- **analyze how the values of a nation and international organizations affect the guarantee of human rights and make provisions for human needs**
- **consider the nature and evolution of constitutional democracies throughout the world**

- compare various political systems with that of the United States in terms of ideology, structure, function, institutions, decision-making processes, citizenship roles, and political culture
- identify and analyze advantages and disadvantages of various governmental systems.

Queries That Support the Learning Standards for Civics, Citizenship & Government

- Query: What is urbanization
- Query: What is the electoral college
- Query: What is federalism
- Query: What is the Miranda decision
- Query: What are illegal aliens
- Query: What is the U. S. Census Report
- Query: What is "corporate welfare"
- Query: What is the impeachment process
- Query: How does the Supreme Court make a law unconstitutional
- Query: How does the 14th Amendment provide civil rights to citizens
- Query: What are the treatises of John Locke
- Query: What is "Women's Suffrage"
- Query: What is a "constitutional democracy"
- Query: What is "popular sovereignty"
- Query: What is the philosophy of "natural rights"
- Query: What is the system of "checks and balances" in government
- Query: What is the Dred Scott Decision
- Query: What is the role of a "Political Action Committee"
- Query: How important are "public opinion polls" to the electorate
- Query: What is "mud-slinging"
- Query: What is the platform of the "Republican Party"
- Query: What is the platform of the "Democratic Party"
- Query: What is the "Bill of Rights" to the Constitution
- Query: What is a referendum
- Query: How is the U. S. Constitution amended
- Query: What is the "Pro-Life" movement
- Query: What is a "parliamentary system" of government
- Query: What is "constitutional monarchy"
- Query: What is the "Security Council" of the United Nations
- Query: What is welfare reform
- Query: What are "enterprise zones"
- Query: What is "campaign finance reform"
- Query: What is a junta
- Query: What is a referendum
- Query: What immigrants arrived on "Ellis Island"
- Query: What is an "absentee ballot"
- Query: What is a "green card"
- Query: What is an "immigration quota"
- Query: What are "human rights violations"

Query: What is citizenship
 Query: What is "Women's Suffrage"
 Query: What are "inalienable rights"
 Query: What is "Freedom of Speech"
 Query: What is "Civil Disobedience"
 Query: What is naturalization
 Query: Who was "Elizabeth Cady Stanton"
 Query: What is a federal budget surplus
 Query: What is an amendment to the constitution
 Query: What is "Freedom of Speech"
 Query: Who is the "Vice President of the United States"
 Query: What is the "State of the Union" speech
 Query: What is the "House of Representatives"
 Query: What is the Democratic party platform
 Query: What are discrimination laws
 Query: What are "child labor laws"
 Query: What is the Supreme Court of the United States
 Query: What is a "public education"
 Query: What is the United States Constitution
 Query: What are "civil rights laws"

- To get information about federal, state and local government in the U. S., type **Politics** in the *Publication* box. Type the name of the state in the *Query* box and *Search*

Queries that Support Behavioral Science Elective Courses

Anthropology

Query: What is an anthropologist
 Query: What happened on Pitcairn Island
 Query: What is "Easter Island"
 Query: What is the origin of civilization
 Query: What is Neolithic agriculture
 Query: What is the "stone age"
 Query: What is a "Cro-Magnon Man"
 Query: Who was "Mary Leakey"
 Query: Who was "Margaret Mead"
 Query: Who is "Jane Goodall"
 Query: What are hieroglyphics
 Query: What are the cave paintings
 Query: Who are the aborigines
 Query: Who are the Ainu
 Query: What is Machu Pichu
 Query: What is a Mayan pyramid
 Query: Who are the Amazon Indians
 Query: What is a "Neanderthal Man"

- Query: Who were the cave dwellers
Query: What is the migration over the Bering Strait
Query: What is the Paleolithic Era
Query: What is an Indian burial ground

Multicultural Awareness

- Query: What are the characteristics of Chinese art
Query: Who was Buddha
Query: What is American Indian art
Query: What are the major beliefs of Islam
Query: What are the major beliefs of Hinduism
Query: What immigrants arrived on "Ellis Island"
Query: What is the celebration of Kwanza
Query: What is the Koran
Query: What is Ramadan
Query: What is Hanukkah
Query: What is the Hajj
Query: What is Yom Kippur
Query: What is Apartheid
Query: Who was "Martin Luther King"
Query: Who was "Malcolm X"
Query: What is the "Underground Railroad"
Query: Who was "Booker T. Washington"
Query: What is Shinto
Query: Who was "Chief Joseph"
Query: What are the Upanishads
Query: Who is "Maya Angelou"
Query: Who was Confucius
Query: Who was Sojourner Truth
Query: Who was Geronimo
Query: Who is "Nelson Mandela"
Query: What is the Chinese calendar
Query: What is Tet celebration
Query: What is Hogmanay

Psychology

- Query: What is psychology
Query: Who is "Dr. Spock"
Query: Who was "Sigmund Freud"
Query: Who was "John Dewey"
Query: What is "multiple intelligence"
Query: What is addiction
Query: What is self-esteem
Query: Who was "Bertrand Russell"

Query: Who was "Carl Jung"
Query: Who was B. F. Skinner
Query: Who was Mahatma Gandhi
Query: Who was "Ayn Rand"
Query: What is the Bloom Taxonomy
Query: What is psychiatry
Query: What are "personality traits"
Query: What is prejudice
Query: What is depression
Query: What is psychoanalysis
Query: What is philosophy
Query: What causes child abuse
Query: What is the Rorschach Test

Sociology

Query: What is ancestor worship
Query: What is "culture shock"
Query: Who were the Luddites
Query: What is sociology
Query: What is creationism
Query: What is sociobiology
Query: What is an Indian reservation
Query: What is Puritanism
Query: What is ethnicity
Query: What is animism
Query: What is a "baby boomer"
Query: What is elder care
Query: What is a witch
Query: What is ecumenism
Query: What is astrology
Query: What is a soothsayer
Query: What is euthanasia
Query: What are ethics and morals
Query: What are "animal rights"
Query: What are "human rights"
Query: Who was "Karl Marx"
Query: What is racism
Query: What is reincarnation
Query: What is mythology
Query: Who was "James Michener"
Query: What are "gender differences"
Query: What is the "glass ceiling"
Query: What are "abortion rights"
Query: What is urbanization
Query: What are "child labor laws"

- The following procedure will target eLibrary publications that focus on critical issues. Type **issues** in the *Publication* box. This will limit searches to the following publications: Contemporary Women's Issues, Issues in Law and Medicine, Journal of Economic Issues, Journal of Managerial Issues, and Issues and Views. In the *Query box* type the appropriate question or key words to identify the issue that you are interested in, then click on *Search*. An alternative way to explore a broad list of issues from the same publications would be to type 2 spaces in the *Query box* instead of a query.

Samples of Publications That Support Social Studies Standards

History

History of the World, History Today, U. S. History, Hutchinson Dictionary of World History, N. Y. Public Library Book of Popular Americana, Reader's Companion To American History, 135,000+ Photos, Hutchinson Dictionary of British History, Civil War History, Air Power History, Journal of Women's History, Journal of World History, Historian, Journal of Military History

Government/Citizenship

Time, Newsweek, The Washington Post, Washington Monthly, Explore the Constitution Series, The Progressive, The Public Interest, Mother Jones, National Forum, Capitol Report, The New Republic, National Minority Politics, Washington Memo, 130 regional, national, and international newspaper/newswires, 70 TV & radio news/opinion shows--203,000 transcripts), Issues in Law and Medicine, The Presidency, UN Chronicle

Geography

Countries of the World, World Fact Book, Geographical Review, World Almanac, U. S. Almanac, 2,700+ World & U. S. Historic Maps, Passport Series—16 Countries, Frommer's Travel Guides, Demography, Population Today, Journal of Geography

Economics & Business

Wall Street Journal, U. S. News & World Report, Fortune, Money, Forbes, American Economist, Business Week, Moneyline, Nightly Business Report, Wall Street Words, Nation's Business, Harvard Business Review, World Trade

Ethnic/Multicultural Studies

African American Review, Africa News Service, Arab Studies Quarterly, Gender Place and Culture, Journal of Social History, The European, Philosophy East and West, Russian Life, American Indian Quarterly, Americas, Hispanic Times, I tar-Tass, Xinhua News Agency, Asian Perspectives,

Anthropology, Psychology, and Sociology

Journal of Social History, Philosophy East and West, Our Rights, Journal of Social History, Journal of Social Psychology, Journal of Women and Religion, The New, The Futurist, Immigration—Social Issues in American History, Criminal Justice Ethics, Philosophy East and West, Social Forces, Sociology of Religion, Unchained Voices, Journal of General Psychology, Journal of Gender Studies, Gender Place and Culture, National NOW Times, Civil Rights Journal

eLibrary Supports Health Education Standards

Human Growth and Development—Knowing the human body and understanding the characteristics and natural progression of development in the life cycle for taking actions that promote health at each developmental stage.

- Query: What is grief therapy
- Query: What is geriatrics
- Query: What is puberty
- Query: What is menopause
- Query: What is the human body
- Query: What is the nervous system
- Query: What is the brain
- Query: What are “goose bumps”
- Query: What is baldness
- Query: What are glands
- Query: How do we smell odors
- Query: What is blindness
- Query: What is a muscle
- Query: What is perspiration
- Query: What are warts
- Query: Why do we dream
- Query: How does the tongue taste food

Emotional Health—Recognizing the relationships among emotional reaction, social relationship, and health for establishing patterns of behavior that promote emotional health and sound interpersonal relationships

- Query: What is stress management
- Query: What is high risk behavior
- Query: What are some ways to build self-esteem
- Query: What are conflict resolution skills
- Query: What is peer mediation
- Query: What is grief therapy

Nutrition—Understanding the role of nutrition in the promotion and maintenance of health for establishing sound nutritional practices

Query: What is irradiation of food

Query: What is the FDA

Query: What are anti-oxidants

Query: What is eating healthy

Query: What are junk foods

Query: Are fried foods good for your health

- **Publications:** The Vitality Cookbook, More Vitality Cooking—Use the *Limit Search* option and type Vitality in the *Publication box*. In the *Query box* type 1 space (use the space bar), then *Search*. 21 different sections appear in the *Results List* that feature such topics (with recipes) such as Sassy Salads, Happy Endings, Kid Pleasers, A Nutritional Comparison, Eat Your Way to Healthy Living, Oodles of Noodles, etc.

Family Life—Appreciating the role of the family in society in preparing each member the responsibilities of family membership and adulthood, including marriage and parenthood

Query: What is prenatal care

Query: What is adoption for childless couples

Query: What are fertility drugs

Query: What are single-parent families

Query: What is elder care

Query: What is a hospice

Query: What is day care

Alcohol, Tobacco, and Other Drug Substances—Understanding the factors involved in using drug substances appropriately and preventing abuse

Query: Is nicotine addictive

Query: What is binge drinking

Query: What is "crack cocaine"

Query: Is marijuana addictive

Query: What is cirrhosis of the liver

Query: What are amphetamines

Safety, First Aid, and Survival—Recognizing how safe environments promote health and well-being and learning procedures to reduce safety risks and respond effectively in emergencies

Query: What is the Heimlich maneuver

Query: What is first aid for snakebite

Query: How do you treat frostbite

Query: What is first aid for swallowing poison

Query: What is first aid
Query: What is home poisoning
Query: What is an upset stomach
Query: What is an antibiotic
Query: How do you treat an insect sting
Query: What is aspirin
Query: What is frostbite
Query: What are flu symptoms
Query: What is a "smoke detector"
Query: What is a "carbon monoxide detector"
Query: How do you stop bleeding

Community Health—Understanding the importance of developing health services responsive to present and projected community needs and for becoming a contributor to the health of the community

Query: What is Medicare
Query: What is the AMA
Query: Who was Hippocrates
Query: Who pays for flu shots
Query: What is irradiation of food
Query: What is food poisoning
Query: How are youth educated about health hazards
Query: How does the "FTC" regulate consumer health products
Query: What is the FDA
Query: Who is the Surgeon General of the U. S.
Query: What is the National Institute of Health

Environmental Health—Recognizing that environmental factors have a direct effect on the health of the individual and of society and for taking actions that protect and improve the environment

Query: How does smog affect public health
Query: What is radon poisoning
Query: What is "lead poisoning"
Query: What are reverse osmosis water purifiers
Query: What are the dangers of asbestos
Query: What is the environmental superfund

Diseases and Disorders—Understanding diseases and disorders and taking actions to prevent or to limit their development

Query: Is there a cure for Cancer
Query: What is gene therapy
Query: What are some ways to prevent hepatitis
Query: What is laser surgery
Query: What is "high blood pressure"

Query: What is diabetes
Query: What is nearsightedness
Query: What is asthma
Query: What are designer drugs

Consumer Health—Understanding the factors involved in consumer health for making wise decisions in selecting and using health information, products, and services

Query: How does the "FTC" regulate consumer health products
Query: What is the FDA
Query: Who is the Surgeon General of the U. S.
Query: What is the National Institute of Health
Query: What is managed health care
Query: What are consumer health labeling guidelines
Query: What is Oregon health care
Query: What are generic drugs

Healthful Lifestyles—Appreciating the need for responsibility and planning for developing and maintaining a healthful lifestyle

Query: What can vitamin supplement do for your health
Query: What is homeopathic medicine
Query: What diseases are most prevalent among poor people
Query: What is "responsible drinking" as shown in beer commercials
Query: What is date rape
Query: What is a chiropractor
Query: What is acupuncture

Samples of Publications That Support Standards for Health

Prevention, BabyTalk, Parenting, Harvard Health Letter, Men's Health, Women's Health Report, Modern Medicine, Body Bulletin, Ardell Wellness Report, More Vitality Cooking, Healthfacts, Moseby's Medical Encyclopedia, Journal of Environmental Health, Medical Update, Psychology Today, Aging, Nutrition Forum, Safe Motherhood, Medical History, Health News, Journal of Athletic Training

eLibrary Supports Family and Consumer Science Standards

Personal Resource Management—Students must learn to budget not only their money, but also their time, energy, and talents in meeting the demands of daily living.

Query: What is a smart card
Query: What is the minimum wage

Query: What does a teenager spend

Query: What is a "mutual fund"

Family and Human Development—A strong and stable family, helps children to grow in all aspects of development. **Knowing what to expect during each phase of life helps students to plan more realistically for the future.**

Query: What is grief therapy

Query: What is geriatrics

Query: What is pregnancy

Query: What is puberty

Early Childhood Education—**Understanding the demands of child care and acquiring the skills for meeting those demands**, prepares students to care of present and future families and to explore careers in child care and education.

Query: Who was Dr. Spock

Query: Who is Dr. Suess

Query: What is a nursery school

Query: What is prenatal care

Nutrition and Food Preparation—All students should be able to select a healthy diet and prepare food that is safe and nutritious.

Query: Recipe for Caesar salad

Query: What is irradiation of food

Query: What is eating healthy

Query: What are junk foods

Query: What is the FDA

Query: What is food poisoning

Query: What are breakfast recipes

- **Great Recipes:** Use the *Search Option* and in the *Publication box* type **Cook*** (use the asterisk). In the *Query box* type search words such as **French, Italian, pork, rice, dessert, salad, etc.** to target the specific type of recipes that you would like to explore, then click on *Search*.

Clothing and Design—Selecting, constructing, and maintaining clothing for various occasions and purposed requires **knowledge of textiles, construction techniques, and consumer skills.**

Query: What is imported clothing

Query: What is dry cleaning

Query: What is cashmere

Query: What is designer clothing

Housing and Environment—Selecting housing and furnishings intelligently adds to the quality of life. Such environmental concerns as energy conservation and recycling contribute to a healthier environment.

Query: What is radon poisoning

Query: What is recycling of consumer products

Query: What are energy efficient appliances

Query: What is a solar heated house

Consumerism and Financial Management—Young people have more discretionary funds today than in the past. Students need instruction in budgeting, consumer spending, and overall financial management.

Query: What is comparison shopping

Query: How does the "FTC" regulate consumer health products

Query: Who is "Ralph Nader"

Query: What is consumer bankruptcy

Career Awareness and Planning—Students should be investigating careers and developing work-related skills bases on awareness of their talents and interests.

Query: What are the careers of the future

Query: What is the outlook for college graduates

Query: What is work-study

Query: What are virtual colleges

Query: What is the demand for teachers

Query: What is the demand for computer programmers

Parenting and Care Giving—Students must develop the attitudes and skills necessary to provide care for their future children, and the sick and elderly in their present families.

Query: What childhood diseases are most common

Query: What is Alzheimer's

Query: What is the female menopause

Query: What is "Parkinson Disease"

Content That Supports the Learning Standards for Family & Consumer Science

Parenting, Baby Talk, Food Ingredient News, Accent on Living, Good Housekeeping, Consumer's Research Magazine, Food Review, Harper's Bazaar, Ladies Home Journal, House Beautiful, Journal of Consumer Affairs, Multicultural Cookbook, The Vitality Cookbook, More Vitality Cooking, Cooking Light, American Craft, Flower and Garden, Southern Living, The Exceptional Parent, Nutrition Forum

eLibrary Supports Standards for The Arts

Standard 3. Responding To and Analyzing Works of Art

Standard 4. Understanding the Cultural Dimensions and Contributions of the Arts

Queries That Support the Learning Standards for the Arts

Theater

- Query: Who was Anton Chekhov
- Query: What is Kabuki
- Query: What is musical theater
- Query: What is a melodrama
- Query: What is the "Golden Age of Hollywood"
- Query: What are the Emmy awards
- Query: Who was Alfred Hitchcock
- Query: What are the Academy awards
- Query: What is a Japanese Noh
- Query: What is a Greek tragedy
- Query: What is a French farce
- Query: How did Shakespeare use comic relief
- Query: Who was Arthur Miller the playwright
- Query: Who was Henrik Ibsen
- Query: What is "Inherit the Wind"
- Query: Who was Tennessee Williams
- Query: What is the Fantasticks
- Query: What is pantomime

Visual Arts

- Query: Who was Pablo Picasso
- Query: Who was Michelangelo
- Query: Who was Vincent Van Gogh
- Query: Who was Claude Monet
- Query: What is surrealist art
- Query: What are some new forms of art
- Query: How is art used in advertising
- Query: What is computer animation
- Query: What is cartooning
- Query: What is "The Museum of Modern Art"
- Query: Who was "Ansel Adams"
- Query: Who was Edward Steichen
- Query: Who was John Audubon

Query: What is sculpture
Query: What is oil painting
Query: What is a cartoonist
Query: Who is Charles Schulz
Query: What is "Mt. Rushmore"
Query: What is an animated movie
Query: Who was "Edward Steichen"
Query: Who was "Andrew Wyeth"
Query: Who was "Walt Disney"
Query: Who was "Grandma Moses"
Query: What is the terra cotta army of "Emperor Qin"
Query: What is a "pictograph rock"
Query: What is Greek sculpture
Query: What are African masks
Query: What is the Taj Mahal in India
Query: What is Gothic architecture
Query: What is Japanese art
Query: What is the Louvre
Query: What is Russian art

Music

Query: What is the origin of jazz music
Query: What is the sousaphone
Query: Who was "Richard Wagner"
Query: What is an operetta
Query: What is the Rock and Roll Hall of Fame
Query: Who was George Gershwin
Query: Who was Irving Berlin
Query: What is the origin of blues music
Query: What is a coloratura
Query: What is the "West Side Story"
Query: What is the Grammy Award
Query: What is Luciano Pavarotti
Query: Who was Glenn Miller
Query: What is a Gregorian Chant
Query: What is the chromatic scale
Query: What is "Pomp and Circumstance"
Query: What is Caribbean music
Query: What is Chinese music
Query: What is Arabic music

Dance

Query: What is choreography
Query: What is the modern ballet

Query: What is disco dancing
Query: What is swing dancing
Query: What is the Charleston dance
Query: Who was "Fred Astaire"
Query: Who was "Cyd Charisse"
Query: What is ballroom dancing
Query: Who was Bojangles
Query: Who was "Juliet Prowse"
Query: What is the Nutcracker
Query: Who was Balanchine
Query: What is the minuet
Query: What is the hula dance
Query: Who is Baryshnikov
Query: What is Native American Dance
Query: What is African Dance
Query: What is the Bolshoi theater
Query: What is folk dancing

Content That Supports the Learning Standards for the Arts

Art Journal, Billboard Charts, Magills Survey of Cinema, Entertainment Weekly, The Art Bulletin, Cineman Syndicate, Hutchinson Dictionary of Music, Hutchinson Dictionary of the Arts, Cineaste, Current, American Record Guide, American Theatre, Art in America, Dance Magazine, Down Beat, Film History, Modern Drama, Opera News, Plays, Scholastic Art, Theatre Survey, American Craft

eLibrary Supports Standards for Languages Other Than English

Standard 1: Students will be able to use a language other than English for communications

- Draw on a broad range of learned vocabulary, idioms, and structures, including the full range of time frames, as well as **language acquired through independent reading**
- Produce written narratives and expressions of opinion about radio and television programs, **newspaper and magazine articles**, and selected songs, stories and literature of the target language

Queries That Support the Learning Standards for Languages Other Than English

Queries can be made in **Spanish**, **French**, and in **German**. However, the natural language search engine does not presently ignore unessential search words such as articles, conjunction, prepositions, etc. The relevancy of the results list is enhanced by limiting queries to only keywords and the use of quotation marks.

<u>Spanish</u>	<u>French</u>	<u>German</u>
Query: <u>reciclaje</u>	Query: <u>programme</u>	
Query: <u>El Presidente de Argentina</u>	Query: <u>gouvernement</u>	Query: <u>Autobahn</u>
Query: <u>"Ciudad de Mexico"</u>	Query: <u>travailleur</u>	Query: <u>Bonn</u>
Query: <u>Copa Mundial</u>	Query: <u>annonce</u>	Query: <u>wasser</u>
Query: <u>Drogas y sus efectos</u>		
Query: <u>Alcohol y sus efectos</u>	In the <i>Publication</i> box,	type " <u>Germanic Review</u> "
Query: <u>Selena</u>	type " <u>Canadian or Literature*</u> "	
Query: <u>Monumentos</u>		
Query: <u>La Bomba</u>		
Query: <u>Christos de Andes</u>		
Query: <u>Futbol</u>		
Query: <u>Beisbol</u>		
Query: <u>Estados Unidos</u>		
Query: <u>Fidel Castro de Cuba</u>		
Query: <u>Futbol</u>		
Query: <u>Beisbol</u>		
Query: <u>El presidente de Mexico</u>		
Query: <u>Industria Argentina</u>		
Query: <u>Navidad en Mexico</u>		
Query: <u>Musica Hispana</u>		
Query: <u>Basquetbol</u>		
Query: <u>Datos historicos</u>		

Additional Resources

- **Frommer's Travel Guides, Passport Series** of travel guides for current information, and **Columbia Encyclopedia**, and **Countries of the World** for historic information. Use the *Limit Search* option and type the first word of the name of one of the listed publications in the *Publication* box, then search.
- For maps of countries in which the target language is spoken, *turn off all icons* except for maps and then type the name of the country in the *Query* box.
- Publication: **Multicultural Cookbook**—Use the *Limit Search* option and type the name of this publication in the *Publication* box, then click on *OK*. Type the name of the country for which you are seeking recipes in the *Query* box, then search.

eLibrary Foreign Language Publications

Diario Las Americas Online, Germanic Review, La Prensa, Novedades, Americas, People en Espanol, World Literature Today, Canadian Encyclopedia, Canadian Corporate News, Research in African Literatures

eLibrary Support Standards for Career Development Occupational Studies

Standard 1: Career Development -- Students will **learn about the changing nature of the workplace, the value of work to society,** and the connection of work to the achievement of personal goals.

- **Publication: Occupational Outlook Handbook**—Select *Search options* and type *Occupational* in the *Publication* box, then *OK*. Type the occupation that you are researching in the *Query* box and click on *Search* to get complete information about hundreds of careers.
- **Publication: The Student Advantage Guide to the Best 310 Colleges**—Select *Search Options* and type this publication title in the *Publication* box. Then type the name of the college that you would like to research in the *Query* box.

Each of the strategies above can be used with any of the publications listed at the end of this section, following the queries below.

Other Queries that Support Career Investigation

- Query: What are college scholarships
Query: What are virtual colleges
Query: What are the careers of the future
Query: What is the outlook for college graduates
Query: What is work-study
Query: What is entrepreneurship
Query: What is the demand for teachers
Query: What is the demand for dieticians
Query: What is the demand for computer programmers
Query: What is the demand for nurses

eLibrary Publications that Support Career Investigation

The Complete Book of Colleges, Occupational Outlook Handbook, EEO Equal Employment Opportunity Career Journal, The Student Advantage Guide to the Best 310 Colleges, African-American Women in the Workplace, The Black Collegian, Journal of Education for

Business, The Student Advantage Guide to the Best Business Schools, The Student Advantage Guide to the Best Law Schools, The Student Contact Book, Women in Bio-Medical Careers, Facts on Working Women

Standard 3a: Universal Foundation Skills -- Information management focuses on the ability to access and use information obtained from other people, community resources, and computer networks.

eLibrary support for the research process is summarized on pages 2-9.

Standard 3b: Career Majors — Students who choose a career major will acquire the career-specific technical knowledge/skills necessary to progress toward gainful employment, career advancement, and success in post-secondary programs.

AGRICULTURE EDUCATION

Horticulture

Query: What plants thrive in the shade

Query: What plants thrive in sun

Query: What is organic fertilizer

Query: What is a bromeliad

Query: What is a topiary

Environment and Energy

Query: What is a biosphere

Query: What causes river pollution

Query: What are the functions of a watershed

Query: What is the "Clean Air Act"

Query: What is the "Sierra Club"

Query: What is solar energy

Query: How do dams help conservation

Query: What is solid waste management

Query: What was the "Dust Bowl"

Query: What is a windmill

Agribusiness Management

Query: What is the agricultural revolution

Query: What is agribusiness

- Query: What is the "green revolution"
Query: What are farm subsidies
Query: What is the FDA
Query: What are tax credits for farmers

Animal Science

- Query: What are longhorn cattle
Query: What is "mad cow disease"
Query: What is "hoof and mouth disease"
Query: What is cross-breeding
Query: What is neutering an animal

Plants and Soil Science

- Query: What is soil erosion
Query: What is water conservation
Query: What is a nitrogen-fixing plant
Query: How do plants adapt to the environment
Query: What is forest conservation
Query: What is gene-splicing for plants
Query: What is "crop rotation"

Control of Diseases and Pests

- Query: What are the danger of pesticides
Query: What are some organic ways to control insects
Query: What causes genetic mutation
Query: What is an herbicide
Query: What is the boll weevil
Query: What are Africanized bees
Query: What are the diseases of corn
Query: What are the diseases of soybeans

eLibrary Publications that Support Agriculture

American Journal of Agricultural Economics, Agricultural Research, Agriculture Resources: Inputs Situation and Outlook Report, Countryside & Small Stock Journal, Hay & Forage Grower, Horticulture--The Art of American Gardening, National Hog Farmer, Organic Gardening, Beef, Situation and Outlook Report--Cotton and Wool; Rice; Livestock and Poultry; Soybean Digest

BUSINESS EDUCATION

Accounting

- Query: What is the SEC
- Query: What is accounting
- Query: What is a prospectus
- Query: What is a "financial statement"
- Query: What is a CPA
- Query: What is the Internal Revenue Service
- Query: What is an MBA
- Query: What is an audit
- Query: What is the progressive income tax

Banking and Financial Systems

- Query: What is monetary policy by the Federal Reserve
- Query: What is the Federal Reserve banking system
- Query: What happens at the New York Stock Exchange
- Query: What is the Dow Jones Industrial Average
- Query: What is "investment capital"
- Query: What is a "capital gain" on a stock investment

Business Law

- Query: What is "truth in advertising"
- Query: What is the "Uniform Commercial Code"
- Query: What is an "anti-trust" violation
- Query: What is the "bar examination"
- Query: What is the "law of torts"
- Query: What is "business ethics"
- Query: What is consumer bankruptcy

Business Management

- Query: What is an "Subchapter S Corporation"
- Query: What are mergers and acquisitions
- Query: What is the fiscal policy of the federal government
- Query: What is the Consumer Price Index
- Query: What is an economic recession
- Query: What is the "law of supply and demand"
- Query: How does a "market economy" allocate scarce resources

Business Ownership/Entrepreneurship

- Query: What is an IPO

Query: What is a "business plan"
Query: What is a "limited partnership"
Query: What is job discrimination
Query: What is a smart card
Query: What is the minimum wage
Query: What is OSHA

International Business

Query: What is a multi-national corporation
Query: What is a cartel
Query: What is the European Economic Union
Query: What is the NAFTA treaty
Query: What is the 'International Monetary Fund'
Query: What is the "balance of trade" deficit
Query: What is GATT
Query: What is the Euro

Introduction to Business

Query: What is business education
Query: What are virtual colleges
Query: What are the careers of the future
Query: What is the outlook for college graduates
Query: What is work-study
Query: What is comparative shopping
Query: What is entrepreneurship

Marketing & Advertising

Query: What is a subliminal message
Query: What is a hidden persuader
Query: What is the Home Shopping Network
Query: What are commercials
Query: What is E-Commerce
Query: What is spamming
Query: What are the Nielsen ratings
Query: What is an advertising agency
Query: What are some new methods of advertising
Query: What is global marketing
Query: What is a kiosk

eLibrary Publications that Support Business Education

Wall Street Journal, Women in Business, Business Week, Fortune, Forbes, Money, Industry Week, Harvard Business Review, Business America, American Economist, Dollars and Sense,

Entrepreneur, Business Today, Journal of Advertising, Journal of Economic Education, Journal of International Business Studies, Marketing Forum, Reuters Business Report, Sloan Management Review, Moneyline, World Trade

*Use These Queries as a Model
to Develop Your Own Query Library*

The queries listed in this document are designed to get teachers started in assigning mini-research activities to their students. Because they guarantee instant results, they save teachers and students time. However, no library of queries can include all the topics that support all the courses in all the schools. Using the experience gained from using the queries in this document, teachers will want to create their own library of queries that better supports the unique ways that many teachers approach lesson planning for their courses.

*Duplicate This Document
To Encourage Use of eLibrary by Teachers*

Many library media specialists and curriculum coordinators have duplicated and distributed the appropriate parts of this document to motivate and encourage teachers and students to use **eLibrary** more frequently for research. This document has also been used for staff development activities in many school districts. The most effective way is to copy the introductory pages and then attach the pages of queries that apply to the subject area that a teacher is assigned to teach. This practice not only provides a greater return on a school's investment in **eLibrary**, but encourages the use of technology, critical reading, critical thinking and improved writing. All these **Information Age** skills are at the heart of the learning standards and goals for the students of your schools.

10 Fast, Easy Ways to Find Exactly What You Want on eLibrary's eLibrary Web Version

1. Take full advantage of our easy "natural language" searching.

eLibrary eLibrary's unique "natural language" search capability means you don't have to be an expert to perform an effective search. Simply enter your search as a full sentence, a question or a phrase in any form, with or without punctuation. You'll receive numerous relevance-ranked results any way you enter your search query. For best results, enter your search terms "in context" instead of using a single word. For instance...instead of "blue sky," ask "why is the sky blue?"

2. Focus and narrow your search with our convenient "source type" selection.

A simple on /off toggle feature lets you narrow your search by source type. A check mark in the source type box will search the media selected. If the source type is not checked, it will not be searched. For example, if you want a picture of cheetah, turn off all source types except "pictures," then start the search.

3. Use quotation marks in the search text field for more precision.

Phrases can be put in quotation marks to locate terms exactly as they appear, including quotes from Shakespeare, poetry, or commonly used phrases, such as: “cowards die many times before their death,” or “efficient market hypothesis.” Enclosing proper nouns in quotation marks will also improve your results.

4. Speed your search with bibliographic information.

Speed your search even more by entering known bibliographic information such as publication date, author, publication name, or article title in the search option fields.

5. Set the number of results for efficient searching.

You can increase or decrease the possible number of documents eLibrary can retrieve by changing the number of results setting. Choose from 30 to 150 possible document results.

6. Search directly by author or publication date.

If you’re searching for work written by a specific author or published on a specific date, no question or keyword text is needed. Simply enter the author’s name or the publication date in the Search Options. For example, type Hillary Clinton or “Clinton, Hillary” in the search option author field, and then execute your search.

7. Search ethnic, international, and small press publications.

There are numerous ethnic, international and small press publications that contribute to the breadth and usefulness of eLibrary’s databases. You’ll see excellent results even when searching for foreign words or unusual terms. For example, search for a term such as reciclaje (recycling in Spanish) and you will find articles from an array of Spanish language publications.

8. “Best Part” and “highlights” bring results upfront in a flash.

When your results are displayed, eLibrary highlights all of your search terms for quick and easy reference. Click the time-saving “GO TO BEST PART” button to automatically jump right to the portion of the article with the highest concentration of words that most closely matches your query terms.

9. Sort your results with the click of a button.

eLibrary lets you sort your results by relevance, date, reading level, or file size. Simply use the pull-down menu located in the navigation bar to the left of your result list.

10. Convenient e-mail feature lets you e-mail your results to anyone.

E-mail an article to yourself, a friend or a colleague. From the document page, go to the “e-mail document” bar to the left of your screen, type in the e-mail address and click send.

**bigchalk.com PROVIDES A VARIETY OF
CURRICULUM RESOURCES FOR EDUCATORS**

As parent company of both eLibrary and ProQuest databases, bigchalk.com recognizes the importance of curriculum support materials for library media specialists and teachers to help them implement an integrated Information Age curriculum. The educational tools described below have been designed to motivate and assist teachers in creating lessons that take advantage of the power of eLibrary resources. All of the resources listed below are now available **free of charge**, with permission for unlimited duplication when used for staff development and classroom instruction.

A Teacher's Guide To The Mini-Research Process

The *Teacher's Guide* is designed primarily for administrators, curriculum supervisors, library media specialists and other educators who are involved in restructuring the curriculum and training of teachers in the research process. Some parts of The Teacher's Guide can be found at www.education.elibrary.com/resources/ The guide contains the following:

- National Information Literacy Standards (AASL/AECT)
- National Technology Standards for Students (ISTE)
- Examples of Support for Typical State Standards in the Core Curriculum
- Describing Essential Mini-Research Research Skills for Teachers
- Defining Critical Thinking Skills
- Mini-Research Strategies and Working Examples of Mini-Research Projects
- Teacher and Student Research Activity Planning Worksheets
- Teacher Evaluation Plan for Research Activities
- MLA Citation of Electronic Information for eLibrary and ProQuest Sources
- Models of Mini-Research Reports

A Library of Queries for K-6 Discovery and Research

This curriculum resource provides support for *eLibrary Elementary*®. This new educational database is tailored to meet the needs of K-6 researchers. The interface and the publications base are K-6 appropriate. *A Library of Queries for K-6 Discovery and Research* provides over 400 queries that are tested to yield over 4,000 relevant documents that are appropriate for K-6 discovery and research. Queries are organized around topics such as animals, folklore and mythology, geography, pets, etc. These are topics that are commonly found in the K-6 curriculum and are of interest to children. Queries and tips also make use of the many children's literature publications, photos, maps, atlases, Young Student's Learning Library, and the Columbia Encyclopedia.

Correlating State Standardized Testing with bigchalk Databases and Mini-Research

Many states are using the Stanford 9 and the CTBS/5 TerraNova to measure student achievement relative to state learning standards. This new breed of standardized tests assess more than student knowledge, they also assess essential information literacy skills: critical reading, inferential thinking, and writing. The areas that are tested that we support are English Language Arts, Science, and Social Studies. bigchalk mini-research with bigchalk databases requires students to exercise many of the same skills that are being tested by the states. By using mini-research activities during the school year, students acquire subject area content in Science and Social Studies while improving their skills in English Language Arts (reading and writing). This resource will help library media specialists to convince principals that library research with bigchalk databases can help to boost test scores and the reputation of the school. Principals provide the budget allocation for school libraries.

A Teacher's Sampler of Mini-Research Projects

This resource provides teachers with over 100 mini-research topics along with the eLibrary links to documents that support the research on these topics. It also describes each mini-research

strategy and organizes the topics by subject area and by mini-research strategy. This resource would be a good for library media specialists to distribute to teachers who have shown an interest in using eLibrary for student research.

Exploring eLibrary for Information Age Educators

This resource was created especially for schools that have subscribed to an **eLibrary** site license. All site licenses come with home access for teachers and students. This tutorial resource is a way for teachers to explore **eLibrary** features at home. Over 150 queries related to all **curriculum** areas, teacher **professional development** and teacher **personal interests** yield thousands of relevant documents. Searching tips and ideas for student projects that teachers can use in the current school year, make remote access a convenient way for teachers to grow in the *Information Age*.

A Student Tour of eLibrary resources with Mini-Research Report Ideas

This tutorial can be used by library media specialists to get students started on research with **eLibrary**. After a brief orientation and successful start, students can follow up independently or with the library media specialist in subsequent visits. More than a “How To” document, this tour also provides students with some ideas for research and models of reports and a new *Summary Document* bibliography format. This tutorial is especially useful for schools who have or are considering site licenses with remote access for students.

Duel at the eL Corral

Duel at the eL Corral is a collection of current controversial topics accompanied by 3 to 5 **eLibrary** queries. The queries will yield at least 30 documents that encompass many different viewpoints on the 40 issues that are highlighted. Teachers in many subject areas can use this document to support mini-debates, and written reports that utilize the strategies of compare/contrast, persuade, critique, and evaluate. *Duel at the eL Corral* supports the secondary schools curriculum and is intended for schools already using eLibrary successfully.

A Grant Writer’s Guide

This guide is intended to help library media specialists to learn about grants that apply to integration of technology across-the-curriculum, and provides the justifications and descriptions that often are required in these grants. Justifications link mini-research and bigchalk databases with state and national standards, testing, and other priorities such as the “digital divide.” By selecting the appropriate funding source and then applying the justifications and bigchalk product descriptions from the guide, library media specialists and technology coordinators will find it easier to applying for grants that support information literacy and technology integration through library mini-research.