



eLibrary Science[™] **At -A-Glance for School Leaders**

Product Name: eLibrary Science[™] -- Digital Science Resources for Teachers and Students

Curriculum Level: High Schools and Middle/Junior High Schools (*advanced*)

Product Description: eLibrary Science provides a unique combination of digital resources that support teaching and learning in all secondary science content areas. The unique content includes millions of resources with full text documents from more than 400 science magazines and scholarly journals; thousands of editor-selected science websites; over 100 science reference books; thousands of science photos; hundreds of hours of multimedia clips; and thousands of transcripts from popular science TV/radio news shows. A unique and growing collection of **science and math interactives and simulations** is exclusive to eLibrary Science. Current news from the world of Science is available from the New York Times Science Times and the UPI Space Daily.

eLibrary Science can also access additional and content from more than 2000 eLibrary science-related publications through the Topic search option. This content supports more of the mainstream science courses, while the scholarly journal collection supports AP, IB, and Honors. More than 100 eLibrary Science *BookCarts* provide model collections of resources that teachers can copy and adapt to jump-start their students with inquiry-based learning activities that are relevant to many commonly assigned science topics/issues. BookCarts also serve as templates for teachers to create their own lesson plans for inquiry-based learning activities.

http://www.proquestk12.com/productinfo/pdfs/BookCarts_Collaboration_Tool.pdf

Science Leader Concerns:

Learning Resources for All Students—eLibrary Science learning resources are appropriate for all levels advanced (**including AP and IB**) and also mainstream science courses. Resources support physical science, life science, earth and space science, environmental science, and applied science/technology. eLibrary Science provides excellent support for **Science Fair** activities because of its collection of scholarly journals across the science course spectrum.

Costs Effective Solution for Preserving the Investment in Textbooks—Buying new science textbooks is **not** a cost effective way to gain access to the rapidly changing world of science discovery and invention. eLibrary Science learning resources provide a **cost effective solution** for teachers and students to have **home and school** access the best **current** science information that correlates to and **keeps textbooks current**.

State Standards Correlated Resources—The **state standards searching tool** in the Teacher Edition ensures that all teachers can create **custom BookCarts and lessons** that will be **standards-based**. Teachers can use the **multimedia and interactive resources** to integrate into their lessons and PowerPoint presentations.

Proven Learning Resource—eLibrary Science has won the Technology & Learning Award of Excellence for 2005.

Keeping Teachers' Subject Area Knowledge Current—You can't teach what you don't know. Publication searching provides an excellent way for teachers to stay current in their area of science. Teacher can easily browse the articles in a variety of current magazines and journals and find information to supplement textbook readings and activities.

Adjusting to Student Reading Ability—Lexile reading scores are provided for all articles. This scientific-based score is used by teachers to select *custom* reading resources for students who are in different levels of the same science courses. Teachers can print and copy articles for classroom reading and discussion or they can integrate these articles into custom BookCarts. Lexiles are recognized as a scientific-based tool to measure the degree of difficulty of reading materials and publications.

http://www.proquestk12.com/lsm/sirs/downloads/eLib_Lexiles.ppt

CIPA and Filtering—Editor's Choice and teacher Favorites websites integrated into BookCarts practically eliminate the need for "surfing the Internet." This relieves teachers from time wasted in extensive supervision of searching and reduces the discipline problems school leaders may inherit from policy violations.

<http://www.proquestk12.com/lsm/pqelib/pdfs/elibgooglecompare.pdf>

State Testing in Science—More emphasis is being placed on the importance of science in the curriculum for both boys and girls. New state and national testing in Science challenges all school leaders to provide the best and most current information available for their students' success.

Saving Valuable Classroom Time for Learning—Searching for information is **not** learning science. Quick access to quality and relevant information from BookCarts and science-organized information saves time for critical thinking and increased learning.

Teacher Power:

Custom BookCart Building--Teachers can **customize learning resources** for students by building them into *BookCarts*. BookCarts can be **shared with other science teachers and other schools in the district**. They can also be customized to *Lexile* reading levels and student interest. They can be **dynamically** aligned to *state standards* and include *essential questions for critical thinking* to motivate and guide students to increase higher-order thinking and increased learning. Students can access teacher BookCarts from **school or at home**.

ProQuest BookCart Collection—ProQuest has created more than **100 model** BookCarts to support research activities for **major science topics**. These BookCarts provide **immediate support** for teachers assigning research activities and also serve as models for future BookCart building by teachers on **in-service days**.

http://www.proquestk12.com/pic/pdfs/eLibrary_Science_BookCarts.pdf

Science Interactives—eLibrary Science is the **only digital science solution** that includes access to a growing library of **visual science and math related interactives and simulations**. Students can more **easily understand** complex science and math **concepts** when they have visual resources that dynamically explain them. Teachers can integrate them into lesson activities with the use of a computer and/or video projector.

QuizCarts—Teachers can create multiple choice quizzes in BookCarts that can be automatically scored and emailed back to them by students.

State Standards Correlated Lessons—Teachers can search the Teacher Edition of eLibrary Science by state standard. These searches yield a variety of articles and other media that **dynamically correlate** to a **specific state standard**. Many teachers can **automatically export** these results to a **custom BookCart** for student to use for **readings to supplement the textbook** or to use for research activities.

Motivating Features—Famous Scientists, Science News, Today in Science, and visual interactives make using eLibrary Science engaging for students (and for Teachers) and increase the opportunity for student to learn more science even without an assignment.

Staying Current in Your Subject—Teaching science today is more challenging than ever. Textbooks are generally out of date, so teachers need to have access to current and authoritative information in their subject areas. Publication searching provides an excellent way for teachers to stay current. With over 400 publications available, teachers can easily select then browse articles in a variety of current science magazines and journals and find information to supplement textbook readings and activities.
<http://www.proquestk12.com/pic/pdfs/eLibraryScienceContentbySubject.pdf>

One-Step Researching—Saving student classroom and library searching time is *essential in a 180-day school year*. One search can access 7 different media types including Editor’s Choice **websites**. Less supervision of student **surfing** means **more time for teachers** to help students get and use the best resources.

Printing and Copying Resources—Teachers can print and then photocopy a variety of photos, graphs, and articles for classroom activities, especially for current events and discoveries. All resources may be used in the classroom **without copyright violation**.

Training and Tutorial Support—ProQuest provides both live online training and online tutorials and guides to help teachers and help student get started.

Quick Start Guide: <http://www.proquestk12.com/pic/pdfs/eLibraryScienceQSG.pdf>

BookCart Guide: http://www.proquestk12.com/productinfo/elibrary_bookcarts.shtml

Training:

<http://www.proquestk12.com/demo/eLibSciFULL/eLibScienceFullDemo.html>

Educator Tools: http://www.proquestk12.com/productinfo/elibrary_science.shtml

Student Tools:

Spell Checker—Student frustration in any research assignment begins with misspelling key words in a search and not getting any results. This can be enough to end the students interest in the project or at least waste valuable time in getting support. Just as spell checking makes Google popular for students, the same student support makes using eLibrary Science that more user-friendly also.

Read AND Understand—Students are a click away from increased opportunities for understanding what they read. The *Reference* tool provides integrated dictionaries, a thesaurus, almanacs, and encyclopedias. Students can highlight the target word(s), click Reference and select a definition, synonym, or in-depth information to satisfy their curiosity and speed their learning and achievement.

Motivating Features—Students will enjoy This Day in Science History, Science News, Famous Scientists, and the Gizmos and interactives. Generally students do not use

digital learning resources except when they have an assignment. Motivation to learn is fun with these eLibrary Science features.

Beats Surfing and Googling—One stop searching provides 100% science-relevant and authoritative resources in 7 media types including Editor’s Choice websites and visual interactives. Students are always interested in saving time. Time is saved searching and evaluating information. There are millions of copyrighted articles that are not available through Google and other Internet surfing--and unlike Google, all are 100% curriculum relevant.

My List—Students can select the best resources from their search results and add them to **My List**. This list can be printed, saved, or emailed to home computers. My List includes the web links as well as necessary citations for student reports.

Citation Support—All resources include citations automatically when printed, saved or emailed. Mini-research models make citing sources easier by using eLibrary Science formats and that saves time for students and teachers.

Email—Students can email selected resources from school to home or from home to school (if available) or to another student on the research team to expedite their work on research activities. **Quizzes in BookCarts can be emailed to their teachers.**

Context-Sensitive Help—If students click Help, eLibrary Science knows what operation they are involved in and provides help specific to that need.

NCLB Connections:

Lexile Reading Level Search—NCLB requires learning resources to demonstrate proof of scientific effectiveness. Searches can be made, and the Results List can be sorted by Lexile reading level. Lexiles are based on scientific research of the learning to read process.

State Standards Correlation—Teachers can automatically create BookCarts that are dynamically correlated to state *content standards*. Mini-research guides help teachers to also correlate activities to *state essential skills standards*.

Custom Learning Resources—Teacher created BookCart learning resources can be customized to *Lexile reading levels*, *state standards*, *critical thinking* activities, and student interest. Multimedia and Gizmos and manipulatives help disadvantaged students to learn better visually.

Technology Integration – Every science mini-research activity requires the student and the teacher to use technology from searching to the final phase of report/presentation. These activities develop 21st Century skills as well as science knowledge.

Science Testing – NCLB has added science as another core knowledge for students. Testing in science has now been added to school accountability for all schools who receive Title funding.

Curriculum Resources:

Anti-Plagiarism Guide: (Models and strategies that teachers use to create activities that require critical thinking, original thought, and problem solving)
<http://www.proquestk12.com/lsm/pqelib/pdfs/antiplagguide.pdf>

100 ProQuest Science Model BookCarts:
<http://www.proquestk12.com/pic/downloads/eLibModelBookcarts.xls>

Teacher Resources: http://www.proquestk12.com/productinfo/elibrary_science.shtml#2

Teachable Moments: <http://www.proquestk12.com/news.shtml>

Discovering School Leader Priorities:

1. How easy is it for your students to find relevant, age-appropriate science learning resources on the open Internet? Could the time spent searching and in supervision be better used in working with 100% credible science information?
2. Do other digital of information sources provided by the school (Google, state database, Gale, EBSCO, etc.) contain a spell checker, 100 model BookCart collection, Lexile reading level support, standards-correlated resources, visual interactives, websites, and free training?
3. Are you aware of the proven impact of frequent student research activities on increasing essential skills that are the same skills measured on state assessments?
<http://www.proquestk12.com/lsm/pqelib/pdfs/SBReLibTeacherTraining.pdf>
4. How important is it for your teachers to correlate student research activities and other instruction to your state standards? How time consuming is this for teachers?
5. How do your science teachers keep their textbook learning current?
6. How important is it for learning science that teachers and students have a robust collection of visuals and interactives?

<i>Student Tools to Increase Achievement</i>	<i>Teacher Tools to Increase Effectiveness</i>
<p><i>Spell Check to Increase Relevancy Reduce Frustration To the Best Part to Save Class Time When Browsing BookCarts to Ensure Quality Results and Save Class Time</i></p> <p><i>My List for Efficient Saving, Printing, and Emailing</i></p> <p><i>Reference Tool to Increase Understanding and Interest Engaging features and visuals to provide motivation and use</i></p> <p><i>Sort Results By Ensures Currency of Results and More Appropriate Lexile Reading Level</i></p> <p><i>One-Step Access to 7 Media Types Including Websites Home, School, or Community Center Access</i></p>	<p>Copy ProQuest 110 Model Science BookCarts BookCart Editor to Create Custom Teacher BookCarts</p> <p>Lexile Reading Scores to Adjust Content to Student Ability</p> <p>Curriculum Guides to the Unique Mini-Research Process</p> <p>Online and In-Person Training and Videos</p> <p>Standards Searching to Build Standards-Based BookCarts or Print</p> <p>Scholarly Journal Collection for AP courses and Science Fair</p> <p>Subject Area Teacher Publications to Stay Current</p> <p>Work from Home or School</p>