

Electronic Libraries and Bases as a Tool for Developing Critical Thinking in Students

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Abstract:

The advent of technology has revolutionized the way we approach education, and the incorporation of electronic libraries and bases has emerged as a powerful tool in developing critical thinking in students. The traditional methodology of relying on textbooks and classroom lectures has given way to a more dynamic and interactive approach, where students are encouraged to engage with information in a more participatory and analytical manner. This article will explore the role of electronic libraries and bases in fostering critical thinking in students, and examine the benefits and implications of this approach.

Keywords: e-library, critical thinking, developing skills, learning approaches, open information, interactive ways.

Introduction: The development of critical thinking skills as a qualitative outcome of the learning process occurs in mature students with experience in the field of science, i.e. having passed through an entire program in the discipline of search/interpretation of primary scientific information, and who have mastered the methodology of this field and possess a motivational need for research activities. Under conditions of open access to electronic information resources and their integration into the educational and science research process, the role and position of the library function and its role in promoting the full development and practical use of critical thinking skills is being reconsidered.

It is generally accepted that in the 21st century, science and education have a tendency to transform into forms based on open, constructive, and critically thinking interaction of scientists, researchers of different branches of knowledge, and students. Such innovative education is based on the concentration of information resources on the entire spectrum of codified knowledge, their inclusion in the learning processes. It focuses on the development of learning outcomes, as well as upon the effective use of knowledge in professional activities and in functional personal and social tasks. The

educational paradigm of developing critical thinking skills in making science and education more open and effective is consistent with the thrust of the integration processes in all spheres of community life.

Background and Significance

The library of the Institute has an integrated automated library system (ABIS ALINET) which allows one to systematize data about methodic literature and scientific works and to make a unified electronic catalog, create databases and alphabetic indexes for publications of the teaching staff, graduate students and students and also to make electronic libraries and specialized databases for the researchers and graduate students. Information storage devices providing language support are used to build an electronic library. An automated library information system is used, which has a powerful professional database management system. It allows us to create a library of scientific and educational literature in medicine, to create full-text information resources that can be used to master problems of language learning.

Nowadays, in the conditions of reformation of the processes of the preparation of specialists of a new type and the change of paradigms of a modern state, it is impossible to imagine the activity of any medical establishment, pedagogical institution or the enterprises of a new generation without an existing integrated system of libraries. The tasks which are set to libraries today are very specific and aim at the development of creative and critical thinking in a person. This determines the need for new methods of work in full accordance not only with pedagogical tasks but also with the level and capabilities of the modern library and information technologies. For the last several years, the priority is given to the organization of operation of information centers and libraries based not on the traditional interaction of a reader with a library, but on a new and interactive model of a library and information service.

In today's digital age, access to information has become easier than ever before. Electronic libraries and bases have made it possible for students to access a vast array of resources, including academic journals, e-books, and online databases. This unprecedented access to information has enabled students to explore topics in greater depth, and to engage with complex ideas and concepts in a more meaningful way. Moreover, the interactive nature of electronic libraries and bases allows students to engage with information in a more dynamic and participatory manner, encouraging them to think critically and analytically about the information they are presented with.

Libraries are regularly viewed as quiet sanctuaries of books; however, they are additionally dynamic facilities for getting to know and growth. As you delve into the world of library services, you will discover that they are instrumental in honing your indispensable wondering skills. These skills, which consist of analysis, evaluation, and synthesis of information, are quintessential in latest information-rich society. Libraries provide a special place where you can nurture these skills through quite a number of assets and applications designed to undertake your perception and inspire mental exploration.

1. Access Variety

Libraries furnish get admission to an extensive array of resources, along with books, journals, databases, and multimedia content. This range permits you to discover distinctive views on a topic, which is an imperative component of imperative thinking. By evaluating and contrasting a variety of sources, you can pick out biases, understand underlying assumptions, and enhance a well-rounded perception of complicated issues. Librarians are additionally accessible to information you in navigating these sources effectively, which in addition enhances your potential to severely determine information.

2. Research Skills

Developing sturdy lookup abilities is some other way libraries make a contribution to your imperative questioning abilities. Librarians can instruct you how to formulate lookup questions, stumble on dependable sources, and cite facts correctly. These abilities are integral for any essential thinker, as they allow you to collect proof to assist your arguments and conclusions. Moreover, libraries regularly host workshops and tutorials on research methodologies, which can deepen your perception of how-to strategy and analyze facts critically.

3. Program Participation

Participating in library applications such as e book clubs, dialogue groups, and speaker occasions can additionally foster your crucial thinking. These packages motivate you to have interaction with content material actively, articulate your thoughts, and hear to the viewpoints of others. This interplay no longer solely sharpens your analytical capabilities however additionally improves your capacity to motive and argue effectively. Libraries create a protected house for mental discourse, which is indispensable for the improvement of crucial thinking.

4. Tech Integration

The integration of science in library offerings similarly aids in the improvement of your necessary questioning skills. Libraries provide get admission to computers, the internet, and quite a number digital tools that can assist you analyze and current statistics in progressive ways. Learning to use these applied sciences to look up and resolve issues requires crucial thinking, as you ought to consider digital sources for credibility and relevance. This integration ensures that your vital questioning abilities continue to be applicable in the digital age.

5. Personal Guidance

Personal education from librarians is some other fundamental issue that enhances your necessary thinking. Librarians are skilled gurus who can grant individualized help in discovering and evaluating information. They can introduce you to superior search techniques, specialized databases, and different equipment that can refine your capacity to determine first-class information. This one-on-one help is beneficial in growing the eager analytical capabilities that outline a crucial thinker.

6. Community Space

Lastly, libraries serve as neighborhood areas that convey collectively various organizations of human beings with exclusive thoughts and experiences. This surroundings promotes open-mindedness and admire for more than one viewpoint, which are necessary factors of quintessential thinking. By attractive with your neighborhood in the library, you can research to admire the complexity of real-world troubles and the significance of thinking about a variety of views when making knowledgeable decisions.

One of the primary benefits of electronic libraries and bases is that they encourage students to think critically about the information they are presented with. By presenting students with a vast array of sources and perspectives, electronic libraries and bases enable students to evaluate information, identify biases, and develop well-supported arguments. This, in turn, helps students to develop a more nuanced and informed understanding of the subject matter, and to think more critically about the information they are presented with. Furthermore, the interactive nature of electronic libraries and bases enables students to engage with information in a more hands-on and participatory manner, encouraging them to explore ideas and concepts in greater depth.

Another significant benefit of electronic libraries and bases is that they provide students with the opportunity to develop information literacy skills. In today's digital age, it is essential that students are able to navigate and evaluate the vast array of information resources available to them. Electronic libraries and bases provide students with the skills and competencies necessary to locate,

evaluate, and utilize information effectively, and to think critically about the information they are presented with. This, in turn, enables students to develop a more informed and nuanced understanding of the subject matter, and to think more critically about the information they are presented with. In addition to encouraging critical thinking and developing information literacy skills, electronic libraries and bases also provide students with the opportunity to work collaboratively and engage in peer-to-peer learning. Many electronic libraries and bases offer collaborative tools and platforms that enable students to work together on projects, share resources, and engage in discussions. This, in turn, helps to foster a sense of community and collaboration, and encourages students to think critically and creatively about the information they are presented with. Moreover, the collaborative nature of electronic libraries and bases enables students to engage with different perspectives and viewpoints, and to develop a more nuanced and informed understanding of the subject matter.

However, despite the many benefits of electronic libraries and bases, there are also some potential drawbacks to consider. One of the primary concerns is that students may rely too heavily on electronic resources, and neglect to develop the critical thinking and analytical skills necessary to evaluate information effectively. Furthermore, the sheer volume of information available through electronic libraries and bases can be overwhelming, and may lead to information overload and fatigue. Additionally, the lack of standardization and quality control in online resources can lead to inconsistencies and inaccuracies in the information presented.

In order to mitigate these drawbacks, it is essential that educators and policymakers provide students with the skills and competencies necessary to evaluate information effectively, and to think critically about the information they are presented with. This can be achieved through the integration of media literacy and critical thinking skills into the curriculum, and through the provision of training and support for educators. Moreover, policymakers and educators must work to ensure that electronic libraries and bases are designed and implemented in a way that is accessible, equitable, and sustainable, and that meets the needs of all students.

Conclusion.

In conclusion, electronic libraries and bases have emerged as a powerful tool in developing critical thinking in students. By providing access to a vast array of resources, encouraging critical thinking and information literacy skills, and fostering collaboration and peer-to-peer learning, electronic libraries and bases have the potential to revolutionize the way we approach education. However, in order to realize the full potential of electronic libraries and bases, it is essential that educators and policymakers address the potential drawbacks and challenges associated with these tools. Through careful planning, implementation, and evaluation, we can harness the power of electronic libraries and bases to develop critical thinking and information literacy skills in students, and to foster a more informed, engaged, and participatory approach to learning.

References:

1. Anderson, L., & Krathwohl, D. R. (2001). *A Taxonomy for Learning, Teaching and Assessment: A Revision of Blooms Taxonomy of Educational Objectives*. New-York: Longman, 336 p.
2. Bibik, N. (2019). *concept of NUSh, New Ukrainian School: a teacher's guide*. Kyiv, 208 p.
3. Bloom, B. S. (1984). *Taxonomy of educational objectives: classification of educational goals*. New-York: Longman, 207 p.
4. Budnyk, O. (2019). Innovative Competence of a Teacher: best European Practices. *Journal of Vasyl Stefanyk Precarpathian National University*, 6(1), 76–89. DOI: <https://doi.org/10.15330/jpnu.6.1.76-89>

5. Cambridge University Press (2019) Cambridge Life Competencies Framework: Critical thinking. Introductory Guide for Teachers and Educational Managers. E-source: https://languageresearch.cambridge.org/images/Language_Research/CamFLiC/CLCF_Critical_thinking.pdf
6. Cascio, Wayne F., & Ramiro Montealegre (2016). How Technology Is Changing Work and Organizations. *Annual Review of Organizational Psychology and Organizational Behavior*, 3(1) (March 21, 2016), 349–375. DOI: <https://doi.org/10.1146/annurev-orgpsych-041015-062352>
7. Crawford, A., Saul, W., & Mathew, S. R. (2005). *Teaching and learning strategies for the thinking classroom*. New York, 252 p.
8. Duron, R., Limbach, B., & Waugh, W. (2006). Critical thinking Framework for Any Discipline. *International Journal of Teaching and Learning in Higher Education*, 17(2), 160–166.