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21st Century Literacy: Constructing Debating Knowledge

By J. M. Beach

Createspace. Paperback. Book Condition: New. This item is printed on demand. Paperback. 224 pages. While a liberal education is arguably just as important as it ever was, all higher education students need to be proficient in a new 21st century literacy. This new literacy includes traditional literacy skills, such as reading, writing, and arguing, and also new literacy skills, such as critical thinking and scientific reasoning. Like older forms, the new literacy requires both the effective use of language and large amounts of specific information that are deemed important by existing curriculums. But 21st century literacy also includes training students in the concept and methods of science, which are developed and practiced in the research university. Higher education students need to learn both specific knowledge, and also how knowledge is actively created, especially how the most reliable knowledge is made by scientists. Thus, students should be exposed to not just one, but both of the traditional scientific methodologies because they have both become the primary tools of the knowledge economy. Students need an understanding of both qualitative and quantitative literacy. And while knowledge of scientific methodology does require advanced mathematical literacy, students with only minimal mathematical knowledge can still be...



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