Navigating the Digital Age of Education

Education 5.0

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With student success and satisfaction now top of many institutions' agendas, they need to demonstrate they can help students build the knowledge and skills that they couldn't achieve elsewhere

For students and faculty, succeeding in today's landscape of content overload and remote learning is more challenging than ever before

By providing their patrons with access to the best content and tools and nurturing the information literacy skills that will lead to lifelong success, librarians can prove their role as an invaluable driver of their institution's mission

Education 5.0

The core of Education 5.0 is defined as learning by all parties engaged who may have a role in instruction, including teaching personnel, students, and administration. […] The student is surrounded by dynamic technology, which offers possibilities for the fundamental choices he or she must make regarding what, where, when, how, why, and with whom to study.
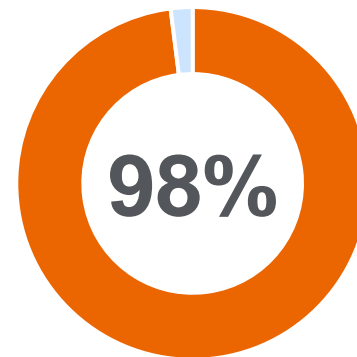
Agenda

> Educating the researchers of tomorrow

> Adapting to the new normal

> The vital role of the library

Educating the researchers of tomorrow

Student success is a top priority for today's institutions

ELSEVIER

98%

library directors rate helping students develop research, critical analysis and information literacy skills as important

Today's education landscape features challenges

Research

The majority of students say research is much more difficult for them than ever before
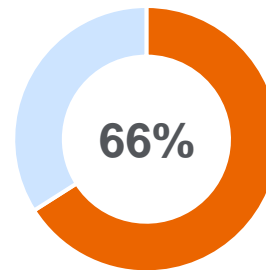
Finding sources

Nearly all students' navigation of the complex campus information landscape is narrow in scope

66%

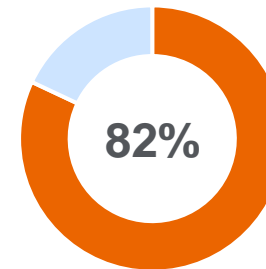Students say defining a topic is most difficult

Efficiency

Most students use a risk-adverse and consistent strategy and rely on a "tried and true approach"

Entering the workplace

Recent graduates find they are unprepared when they need to solve information problems in the workplace

82%

Students go to Wikipedia to obtain background information

"Project Information Literacy: What Can Be Learned about the Information-Seeking Behavior of Today's College Students?"
Alison J. Head, Association of College and Research Libraries (ACRL) Proceedings 2013, Chicago: ALA, 2013.

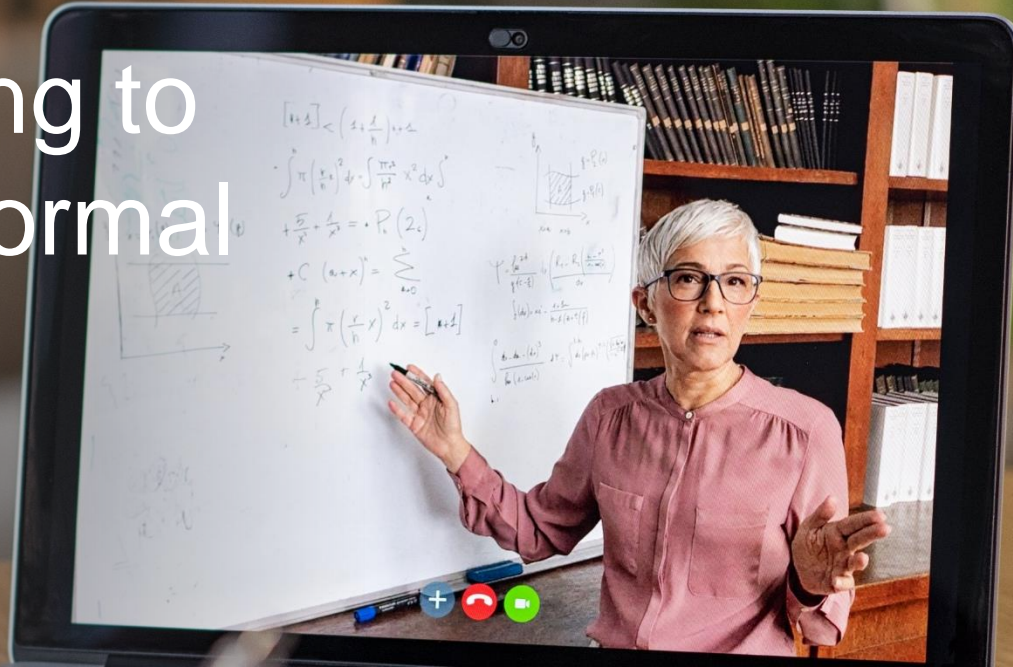# Education 5.0 – futuristic term or a new reality

- Post-pandemic world – life shifted to digital
- Education 5.0 is to support industry 5.0
- Integrate advanced ICT technologies into education systems
- Enhance learning experience
- Remove barriers to educating an individual

The ultimate goal of Education 5.0 is to create a more efficient, effective, and equitable education system that can adapt to the changing needs od the society.
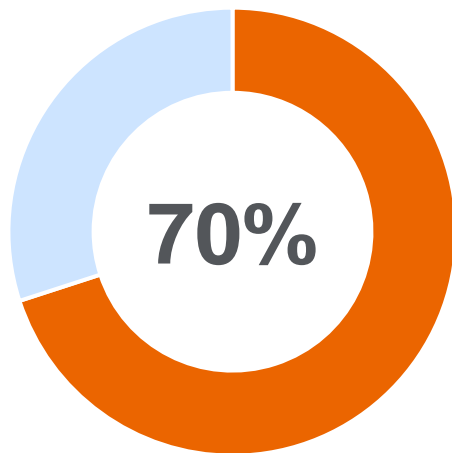
Adapting to the new normal

Ebooks are a key part of the new landscape

70%

Librarians believe their preference for book-based content to support teaching and learning, which changed due to the COVID-19 pandemic, is permanent
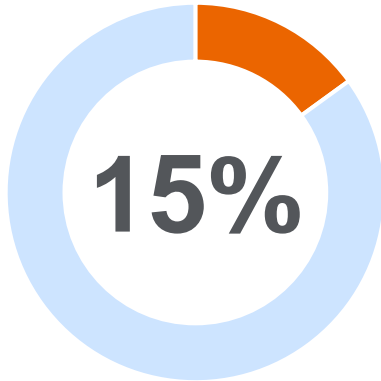
"... ebooks became a very big thing... I made my courses asynchronous..."
– *Kinesiology professor, Canada*

"In the next three to five years, we'll probably see more lecturers adopting e-curriculum. By then, we would also have developed comprehensive strategies to support students and lecturers in the blended learning model and grow our ebook collection,"
– *Professor Ts. Dr. Azme bin Khamis, Deputy Vice-Chancellor, UTHM*

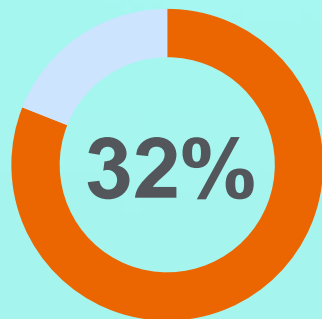ELSEVIER

Using books drives impact

15%

Higher *Field-Weighted Citation Impact* when an article references a book at least once

"Books help to **improve research quality**, demonstrate different research approaches, which enhances researchers' skill and understanding."
– *Digital Library Coordinator, Ethiopia*

"Books are an essential tool for researchers and have a significant **impact on the quality and depth** of research."
– *Assistant Professor, Egypt*

Synergy in a global scale

32% of books readers used books together with journals (2022)

eBooks are integrated part of teaching & research workflow

eBooks & Journals
42% co-usage
during one session

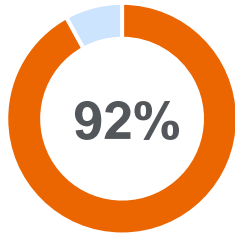**26%** of published scientific output contains books references
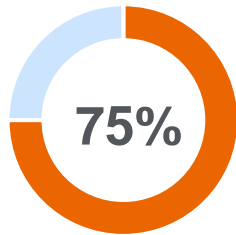
The vital role of the library

You hold the keys to success

Your patrons see you as a vital partner in providing they content they need

92%

Teaching faculty surveyed said "**easy to access**" was extremely or very important when selecting book-based content

75%

Students surveyed said "**accessible through my library**" was extremely or very important when selecting book-based content

"The library is one single point of contact for all of the branches…[They] can come to a single point and gain all of the knowledge" - Teaching Faculty, Engineering, India

Source: Survey of 1,037 teaching faculty and 676 student users of ScienceDirect, DeltaThink 2023

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Free resources to use and share

Resources:

Researcher Academy
An e-learning platform designed to unlock the potential of early and mid-career researchers

Library Connect
A global program that partners with the librarian community to share LIS best practices, issues, technology and trends

Elsevier Connect
News, information and features on the latest trends in science, written for the research, health and technology communities

Thank you ☺

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