

Zengage Learning Introduces the Transformative Technology Literacy Framework (TTLF) for College and Career Readiness

TTLF is a research-based AI literacy framework and self-paced microlearning program that provides a practical pathway to technology literacy, AI readiness, workforce development, and lifelong learning.



New York City, New York Jul 11, 2026 ([Issuewire.com](https://www.issuewire.com)) - Zengage Learning today announced the continued expansion of its **Transformative Technology Literacy Framework (TTLF)** and the accompanying **Transformative Technology Literacy Microlearning Series (TTLMS)**, a comprehensive online learning program created to help individuals, educators, schools, workforce organizations, and employers build the practical technology competencies required in today's rapidly evolving AI-driven world.

As artificial intelligence, automation, cloud computing, cybersecurity, data science, and other emerging technologies continue to reshape every industry, the need for practical technology literacy has never been greater. The Transformative Technology Literacy Framework was developed to address this challenge by providing a structured, research-informed model that helps learners understand, evaluate, apply, and responsibly use transformative technologies across educational, professional, and personal environments.

The Transformative Technology Literacy Microlearning Series (TTLMS) brings the framework to life through a flexible, self-paced online learning experience that delivers focused instruction in short, engaging learning modules designed for today's learners.

Closing the Technology Literacy Gap

While many technology education programs assume prior technical knowledge or formal academic preparation, TTLMS was specifically designed to make transformative technology education accessible to everyone—including individuals without previous technology experience or college degrees.

The Transformative Technology Literacy Microlearning Series program emphasizes practical understanding over technical complexity, enabling learners to build confidence while developing the foundational competencies increasingly sought by employers, colleges, workforce development agencies, and educational institutions.

"Preparing for fast-growing, high-paying technology careers through the Transformative Technology Literacy Microlearning Series is a wise decision for anyone, especially those with limited financial resources or without formal education, technical knowledge, or industry experience," said **Mark Robinson, Chief Learning Officer of Zengage Learning**.

A Framework for Practical Technology Literacy

The Transformative Technology Literacy Framework moves beyond traditional digital literacy by emphasizing the practical application of technology for solving real-world problems, communicating effectively, collaborating with others, making informed decisions, and adapting to continuous technological change.

The framework supports learners in developing competencies across several essential areas, including:

- Digital awareness and responsible technology use
- Ethical AI practices and digital citizenship
- Cybersecurity and data privacy awareness
- Critical evaluation of digital information
- Technology-enabled communication and collaboration
- Problem-solving using emerging technologies
- Digital content creation
- Adaptability and continuous learning
- Innovation and creative application of technology

Together, these competencies prepare learners to participate effectively in today's increasingly digital society while supporting future academic and professional success.

Flexible Microlearning Designed for Modern Learners

Built upon the TTLF, the Transformative Technology Literacy Microlearning Series delivers technology education through short, focused lessons that can be completed at each learner's own pace.

Key program features include:

- Self-paced online learning

- Mobile-friendly microlearning modules
- Short lessons that improve knowledge retention
- Practical application of transformative technologies
- Integrated knowledge assessments
- Certificates of completion
- Flexible learning for individuals, schools, businesses, and workforce organizations
- Curriculum aligned with the Transformative Technology Literacy Framework

The microlearning model enables learners to develop technology competencies efficiently while balancing work, education, and personal responsibilities.

Preparing Learners for the AI Economy

The demand for technology-literate professionals continues to expand across virtually every industry as organizations adopt artificial intelligence, automation, cloud computing, data analytics, cybersecurity, digital collaboration platforms, and intelligent business systems.

Rather than focusing on a single technology, TTLMS provides learners with broad technology literacy that enables them to understand emerging innovations, evaluate new digital tools, communicate effectively about technology, and continue learning throughout their careers.

The program supports career readiness across numerous technology-related pathways while also strengthening foundational skills valuable in nearly every profession.

Applications Across Education and Workforce Development

The Transformative Technology Literacy Framework can be integrated into numerous educational and professional environments, including:

- K-12 technology education
- Career and Technical Education (CTE)
- Colleges and universities
- Adult education programs
- Workforce development initiatives
- Corporate learning and professional development
- Community organizations
- Public libraries
- Nonprofit education programs
- Government workforce initiatives

Institutions can use the framework to develop curriculum, benchmark learner competencies, design professional development programs, assess technology literacy, and strengthen digital readiness across diverse learner populations.

Empowering Learners Through Practical Technology Education

According to **Leonard Cox, Founder and CEO of Zengage Learning**, the framework was intentionally designed to bridge the gap between theory and practical application.

"The Transformative Technology Literacy Framework was researched and developed to fill the gap

between academic and intellectual rhetoric and meaningful practical application that empowers those with the least AI-related knowledge and skills."

By combining structured competency development with practical microlearning experiences, Zengage Learning aims to make technology education more accessible, engaging, and relevant for today's rapidly changing workforce.

Benefits of the TTLF and TTLMS

Organizations implementing the framework and learning series can help learners:

- Build foundational technology literacy
- Develop AI awareness and digital confidence
- Improve critical thinking and digital decision-making
- Strengthen technology communication skills
- Foster innovation and problem-solving abilities
- Practice ethical and responsible technology use
- Validate learning through assessments and certificates
- Prepare for technology-enabled careers and continuing education
- Develop lifelong learning habits necessary for continual technological change

About the Transformative Technology Literacy Framework (TTLF)

The Transformative Technology Literacy Framework (TTLF) is Zengage Learning's structured model for developing practical technology competencies that prepare learners for success in education, employment, and society. The framework emphasizes responsible technology use, critical evaluation, practical application, collaboration, adaptability, and continuous learning across emerging technologies.

About the Transformative Technology Literacy Microlearning Series (TTLMS)

The Transformative Technology Literacy Microlearning Series (TTLMS) is a self-paced online learning program built upon the Transformative Technology Literacy Framework. Through concise, focused microlearning modules, learners gain practical knowledge of transformative technologies while completing assessments and earning certificates that support professional growth and lifelong learning.

Learn More

Educators, workforce development organizations, businesses, institutions, and individual learners interested in implementing the Transformative Technology Literacy Framework or enrolling in the Transformative Technology Literacy Microlearning Series are encouraged to visit the Zengage Learning website, contact the organization directly, or subscribe for future program announcements, educational resources, and special offers.



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