

The recent passage of the Every Student Succeeds Act (ESSA)—the new federal education law replacing No Child Left Behind (NCLB)—presents new opportunities for flexibility for states, districts, and schools to personalize the learning experience, and simultaneously promotes innovative educational strategies. CIL has produced a number of tools that specifically address the rationale and practices of implementing personalized learning in schools. This transformation to personalized learning will occur through a cycle of innovation—*innovation science*—planning, hypothesizing, repeated trials, even failing and starting again. It is a companion to continuous improvement and the mechanism by which planned change occurs; innovation is rarely the result of a chance event. All members of an organization can be innovative, and a culture of innovation arises from the behaviors of the individuals within it. When we change those behaviors we also change attitude, outlook, actions—that is, culture.

What ESSA Says:

Innovation Supports for ESSA

Selected Resources From CIL

ESSA promotes a culture of innovation.

There are exactly 100 mentions of 'innovative' (74 mentions) or 'innovation' (26 mentions) in the Act. The law encourages a culture of innovation, which is best developed through a continuous, scientific cycle of innovation.

ESSA moves away from NCLB term "research-based" to a more flexible interpretation of "evidence-based."

Indistar is a web-based school improvement process based on high-quality research shown to improve student outcomes.

- **Advancing Personalized Learning Through Iterative Application of Innovation Science**

<http://www.centeril.org/conversations/resources/InnovationScienceFINAL%20-%206-16-16-1.docx>

- **Institute on Using Innovation Science to Scale-up Personalized Learning**

Available on request

- **Conversations with Innovators Event**

<http://www.centeril.org/conversations/>

- **Change Leadership: Innovation in State Education Agencies**

<http://www.adi.org/about/downloads/ChangeLeadership.pdf>

- **Improvement Process Training Modules**

<http://www.centeril.org/ToolsTrainingModules/>

- **Stimulating Innovation (Making Innovation Meaningful Again)**

http://www.centeril.org/handbook/resources/fullchapter/Stimulating_Innovation_SA.pdf

- **Innovation, Implementation Science, and Data-based Decision Making**

http://www.centeril.org/handbook/resources/fullchapter/Innovation_Implementation_Science_SA.pdf

- **Indistar Website**

www.indistar.org

- **Indistar: Lighting Our Path to Stellar Learning**

<http://www.indistar.org/about/brochure/IndistarBrochure2014.pdf>

- **Indistar as Innovation**

<http://www.indistar.org/gettingstarted/resources/Indistar%20as%20Innovation.pdf>

What ESSA Says:

Innovation Supports for ESSA

Selected Resources From CIL

ESSA allows for alternative evidence-based interventions that can be used by LEAs in comprehensive improvement schools. ESSA encourages innovation with the goal of supporting state- and local-led innovation.

Indistar, currently implemented in 10,000+ schools nationwide, provides an indicator-based process to develop school improvement plans that are continuous, systematic, and supported by research-based practices. Indistar is a collaborative effort between states, districts, and schools.

CIL/Indistar has several portfolios of indicators with supporting research summaries (Wise Ways). All are available at www.indistar.org: Categories include:

- Continuous improvement indicators
- Rapid improvement indicators
- District-level indicators
- Special education indicators
- Culture and language indicators

ESSA encourages innovations to improve student achievement for high-need students.

These students, including those with disabilities and second language learners, would benefit from personalized learning as an innovation (see handout on personalized learning); flipped/blended classrooms, competency-based strategies, variation in pace and place.

- **Competency-based Education: Supporting Personalized Learning**

http://www.centeril.org/connect/resources/Connect_CB_Education_Twyman-2014_11.12.pdf

- **What Is an Innovation in Learning?**

http://www.centeril.org/handbook/resources/fullchapter/What_is_an_Innovation_SA.pdf

- **The Logic of School Improvement, Turnaround, and Innovation**

http://www.centeril.org/handbook/resources/fullchapter/Logic_of_School_Improvement_SA.pdf

- **Specialized Innovations for Students with Disabilities**

http://www.centeril.org/handbook/resources/fullchapter/Specialized_Innovations_for_Students_with_Disabilities_SA.pdf

ESSA promotes strategies that are innovative and deliver sound academics through use of technology, including digital learning technologies.

Technology provides opportunities for immediate assessment feedback; variation in place, place, and trace; use of flipped classrooms and virtual learning opportunities, etc.

- **Leveraging Innovation and Technology in Turnaround Efforts**

http://www.centeril.org/webinars/WebinarResources/Twyman-ST_SIG_Technology_CIL.pdf

- **EdShelf—a CIL-curated collection of over 100 mobile apps, tools, etc.**

<https://edshelf.com/profile/n0gkqt5/>

- **Education + Technology + Innovation = Learning?**

http://www.centeril.org/handbook/resources/fullchapter/Education_Technology_Innovation_Learning_SA.pdf

- **A Day of Professional Learning: Learning Technologies**

http://www.centeril.org/resources/2014_04MO_DESE_PLD.pdf

- **Creating a Content Strategy for Mobile Devices in the Classroom**

<http://www.centeril.org/publications/MobileAppsInTheClassroom.pdf>

- **INNOpods**

<http://www.centeril.org/innopod/>

Every Student Succeeds Act (ESSA) Implementation Timeline¹

DATE	EVENT
December 10, 2015	President Obama signs ESSA into law.
December 22, 2015	The U.S. Department of Education (USED) publishes first request for public advice and recommendations regarding Title I.
January 11, 2016	First public meeting held on Title I issues and provisions, in Washington, DC.
January 19, 2016	Second public meeting held on Title I issues and provisions, in Los Angeles, CA.
January 21, 2016	USED sets this deadline for the public to submit advice and recommendations regarding Title I provisions.
March 4, 2016	Negotiated rule-making committee is identified and named to address Title I standards, assessments, and supplement-not-supplant regulations.
March 21–23, 2016	First meeting of negotiated rule-making committee is convened.
April 2016	Second, and possibly third, meeting of negotiated rule-making committee is convened.
April 2016*	USED drafts negotiated rules and other proposed regulations for issues not covered in negotiated rule making for regulatory review.
April–May 2016*	Office of Management and Budget (OMB) and Office of Information and Regulatory Affairs (OIRA) is reviewing negotiated rules and proposed regulations; USED will create draft of final language.
May 2016*	Regulatory language will be submitted to Congress for review; USED will make adjustments based on congressional comments.
May–June 2016*	USED will publish final Notice of Proposed Rule Making in the Federal Register, with 60 days given for public comments.
July–August 2016*	USED will review and respond to public comments. Final; language will be reviewed by USED, OMB, and OIRA.
August 1, 2016	Elementary and Secondary Education Act (ESEA) Flexibility Waivers will become null and void.
October 1, 2016	Changes to funding for ESSA competitive grant programs will go into effect.
October 1, 2016	Impact Aid will go into effect (currently funded in FY 17).
October 2016*	Final regulations will be published and go into effect.
2017–2018 SY	All other ESSA provisions will go into effect.

¹ From The Center on Standards & Assessment Implementation. (2016). *Planning for the Every Student Succeeds Act (ESSA): Accountability*. San Francisco, CA: Author. Used by permission.

*Indicates that dates are estimates.

The Center on Innovations in Learning can provide its RCC and state clients:

- Guidance on understanding Innovation Science as a component of a cycle of continuous improvement
- Scheduling Institute on Using Innovation Science
- Facilitated conversations for increased understanding of Innovation Science and Culture of Innovation
- Facilitated conversations for increased understanding of Indistar as an innovative process of continuous school improvement
- Inclusion in Conversations with Innovators events
- Access to a portfolio of research-based resources and tools developed by CIL

The *Handbook on Innovations in Learning* focuses on innovations—both methodological and technological—in teaching and learning that promise to surpass standard practice in achieving learning outcomes for students. The experts who have written chapters in this *Handbook* first identify the underlying principles of learning and then describe novel, balanced approaches, based on these principles, to accelerate learning. The chapters cover a number of topics relevant to the Every Student Succeeds Act (ESSA) and provide information that will support the work of helping all students reach their learning potential. The notion of harnessing innovation as a lever to improve success in schools is referenced numerous times in ESSA, as is the call to power learning by technology.

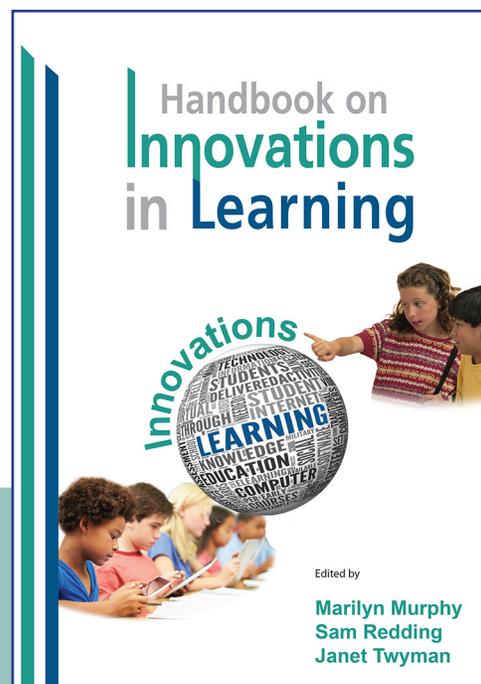


Table of Contents

I: Innovation in Learning

- *What Is an Innovation in Learning?*
- *Stimulating Innovation (or Making Innovation Meaningful Again)*
- *Innovation, Implementation Science, and Data-Based Decision Making: Components of Successful Reform*
- *The Logic of School Improvement, Turnaround, and Innovation*

II: The Student in Learning Innovation

- *Innovative Practice in Teaching the English Language Arts: Building Bridges Between Literacy In School and Out*
- *Innovations in Language and Literacy Instruction*
- *Specialized Innovations for Students With Disabilities*
- *Getting Personal: The Promise of Personalized Learning*

III: Technology in Learning Innovation

- *Education + Technology + Innovation = Learning?*
- *Games in Learning, Design, and Motivation*
- *Advances in Online Learning*
- *Learning, Schooling, and Data Analytics*

IV: Reports From the Field: Innovation in Practice

- *Idaho Leads: Applying Learning In and Out of the Classroom to Systems Reform*
- *Using Response to Intervention Data to Advance Learning Outcomes*
- *Innovation in Career and Technical Education Methodology*
- *Glossary*



The Center on Innovations in Learning (CIL) is one of seven national content centers established by the U.S. Department of Education to work with regional comprehensive centers and state education agencies (SEAs) to build SEAs' capacity to stimulate, select, implement, and scale up innovations in learning. CIL focuses on two priorities: culture of innovation and personalized learning.

Within the topic of culture of innovation, CIL examines change leadership, the science of innovation, and change processes: improvement, innovation, and transformation.

Within the topic of personalized learning, CIL addresses several components, especially (a) learning technologies, (b) competency-based education, and (c) personal competencies.

CIL is located in the College of Education at Temple University, Philadelphia, Pennsylvania, in partnership with the Academic Development Institute (ADI), Lincoln, Illinois. Funded by the U.S. Department of Education, Office of Elementary and Secondary Education (OESE), CIL operates under the comprehensive centers program, Award # S283B120052-12A. The opinions expressed herein do not necessarily reflect the position of the supporting agencies, and no official endorsement should be inferred.