DESIGNING INCLUSIVE CREATIVE LESSONS: A UNIVERSAL DESIGN FOR LEARNING (UDL)–BASED STRUCTURAL FRAMEWORK

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https://doi.org/10.5281/zenodo.17870236

ARTICLE INFO

Received: 07th December 2025
Accepted: 08th December 2025
Online: 09th December 2025

KEYWORDS

UDL, inclusive education, creative lessons, accessibility, engagement, representation, expression, pedagogy, differentiation, autonomy, innovation, learner diversity, instructional design.

ABSTRACT

This article explores the design of inclusive creative lessons based on the Universal Design for Learning (UDL) structural framework, focusing on its capacity to meet the diverse needs of learners in contemporary educational environments. As classrooms become increasingly heterogeneous, creative instruction requires systematic planning that ensures accessibility, engagement, and effective knowledge construction for all students. UDL principles multiple means of engagement, representation, and expression offer a scientifically grounded foundation for designing lessons that foster creativity while removing learning barriers (as emphasized by CAST, 2018). The article analyzes how UDL-based creative lesson structures promote cognitive flexibility, learner autonomy, and inclusive participation. It also highlights instructional strategies that integrate creativity with evidence-based inclusive pedagogy, demonstrating their effectiveness in cultivating meaningful, equitable, and innovative learning experiences.

Introduction. Modern education increasingly emphasizes inclusivity, creativity, and learner-centered instruction as core foundations of high-quality teaching. In contemporary classrooms, educators face the challenge of addressing diverse learning profiles related to cognitive styles, linguistic backgrounds, motivation levels, physical and sensory characteristics, and socio-emotional needs. Traditional lesson design approaches often fail to accommodate these differences, leading to disengagement and inequitable learning outcomes (as noted by John Hattie, 2009). Therefore, pedagogical innovation requires a shift from uniform instructional models to flexible frameworks capable of supporting creativity while offering accessible learning pathways for every student. Universal Design for Learning (UDL) provides an evidence-based model fulfilling this demand by guiding teachers in designing

lessons with built-in flexibility and multiple optional learning routes rather than retrofitting accommodations after barriers arise (David Rose, 2014).

Creative lessons further amplify the necessity of such a framework. Creativity-based instruction encourages open-ended problem solving, exploration, collaboration, and imaginative thinking (Keith Sawyer, 2012). However, without intentional structural design, creative activities may unintentionally favor certain learning types while excluding others. Using UDL principles ensures that each creative task is accessible, adaptable, and cognitively engaging for a diverse range of learners. Designing inclusive creative lessons thus becomes not only a methodological choice but an ethical imperative supporting equitable education. This article examines how UDL principles can be systematically integrated into creative lesson design and how a UDL-based structural framework enhances learning accessibility, creativity, student motivation, and overall instructional effectiveness.

Main Body. Designing inclusive creative lessons requires understanding the intersection between creativity, accessibility, and structured pedagogical planning. Creative learning environments promote higher-order cognitive abilities such as analysis, synthesis, divergent thinking, and problem-solving, but learners differ significantly in how they best access and express creative thinking. Universal Design for Learning functions as a proactive framework that equips teachers with tools to anticipate learner variability and embed support mechanisms into the lesson's structure before instruction begins (aligned with principles proposed by Lev Vygotsky, 1978). Rather than designing creative tasks and later introducing modifications for individual learners, educators employing UDL create lessons inherently responsive to differences in perception, language competence, motivation, physical ability, and executive functioning.

A UDL-based creative lesson begins with the principle of providing multiple means of engagement. Creativity thrives when learners feel emotionally invested and psychologically secure. In a diverse classroom, motivation varies widely: some students enjoy open-ended creative challenges, while others feel overwhelmed by ambiguity (as supported by Carol Tomlinson, 2001). Engagement strategies therefore must include various entry points. Options might include guided scenarios for students needing structure, independent brainstorming pathways for those who enjoy autonomy, and collaborative challenges for learners motivated by social interaction. Offering choices regarding the level of support or the format of participation increases students' sense of ownership and fosters a more inclusive creative environment. Additionally, integrating real-world relevance, culturally responsive examples, and meaningful connections to students' lived experiences strengthens engagement across diverse backgrounds (Gloria Ladson-Billings, 1995).

The second UDL principle multiple means of representation is crucial for ensuring that creative tasks are accessible and comprehensible for all learners. Traditional instructions often rely heavily on verbal explanation, which may disadvantage multilingual learners, students with auditory processing difficulties, or those who learn better visually or kinesthetically. Creative lessons structured within UDL incorporate multimodal presentation strategies, including visual diagrams, demonstration videos, physical manipulatives, concept maps, and linguistic scaffolds (Jerome Bruner, 1966). These varied representational pathways support learners' comprehension and ensure that creative thinking is not hindered by

differences in language proficiency or sensory processing. Representation also intersects with cultural inclusivity: learners from different backgrounds may interpret creative prompts differently, so culturally varied examples help reduce bias and broaden conceptual understanding.

The third UDL principle multiple means of action and expression directly aligns with creative pedagogies by allowing students to demonstrate their learning through diverse modalities. Creative lesson design often involves open-ended products such as stories, models, performances, digital artifacts, or artistic representations. A UDL-based structure explicitly provides students with several options for expressing creative ideas rather than limiting them to a single output form (in line with work by Howard Gardner, 1983). For example, instead of requiring all students to produce written narratives, the teacher may allow spoken storytelling, visual art, multimedia presentations, or dramatic reenactments. These choices remove barriers related to handwriting difficulties, linguistic limitations, or fine-motor challenges while supporting authentic creativity. Such flexibility strengthens academic rigor because it allows students to show deep conceptual understanding through diverse expressive pathways.

Another essential aspect of UDL-based creative lesson design is scaffolded support. Creativity flourishes when learners receive structured guidance that gradually releases responsibility an instructional process grounded in sociocultural theory (Lev Vygotsky, 1978). Scaffolds may include brainstorming prompts, graphic organizers, checklists, guided questioning, and modeled examples. Scaffolded sequences ensure that students with weaker executive-function skills are not excluded from creative participation. Importantly, UDL emphasizes adjustable scaffolding: learners select the level of support they need, promoting autonomy and self-regulated learning.

In addition to scaffolding, predictable yet flexible lesson architecture strengthens inclusivity. A common UDL-based creative lesson structure may begin by presenting clear learning goals, followed by multimodal task explanations, exploratory phases, scaffolded development activities, options for creative output, and reflective discussion. Such transparency reduces cognitive overload and supports learners with neurodivergent profiles (as discussed by Thomas Armstrong, 2012). Providing clear timelines, explicit expectations, and visual supports further stabilizes the learning environment.

Inclusive creative lessons also require a classroom culture where learner identity and diversity are valued. Culturally relevant materials and creativity tasks reflecting multiple perspectives increase engagement and deepen conceptual understanding (James Banks, 2004). Collaborative learning is especially effective in creative settings, as structured group roles ensure equitable participation and capitalize on the diversity of strengths within the group.

Technology adds another dimension to UDL-based creative lesson design. Digital tools, when used as optional rather than mandatory pathways, support representation, expression, and engagement. Assistive tools such as speech-to-text programs, screen readers, digital organizers, and translation applications expand accessibility (Google Classroom). Creative platforms such as Canva, Scratch, and video editors broaden the expressive options available

to students. However, UDL emphasizes maintaining non-digital pathways to avoid disadvantaging learners with limited access or low digital fluency.

Assessment within UDL-based creative lessons must also be flexible. Traditional evaluation models often privilege specific formats, which can obscure actual understanding. UDL-aligned assessment offers multiple ways to demonstrate mastery and focuses on conceptual depth, originality, and reflection (Linda Darling-Hammond, 2010). Using growth-oriented rubrics, peer review cycles, and teacher conferencing provides a more inclusive evaluation of creative learning.

Ultimately, designing inclusive creative lessons through UDL transforms diversity from a perceived barrier into a pedagogical asset. By anticipating barriers, embedding supports, and offering structured choices, teachers construct learning experiences that are universally accessible, cognitively rich, and creatively stimulating.

Conclusion. A UDL-based structural framework for designing inclusive creative lessons offers a powerful approach to addressing learner variability, promoting equitable participation, and cultivating higher-order creative competencies. By embedding flexibility through multiple means of engagement, representation, and expression, teachers can design lessons that eliminate barriers and enhance accessibility for all students (consistent with CAST, 2018). Creative learning becomes more meaningful when every learner can interact with content in personally relevant ways while receiving appropriate scaffolded support. The framework emphasizes autonomy, cultural inclusivity, multimodal creativity, and equitable access, ensuring that instruction supports both individual strengths and collaborative innovation. As educational environments grow more diverse, integrating UDL principles into creative lesson planning becomes essential for delivering high-quality, inclusive, and future-oriented learning experiences. This approach strengthens creativity, increases motivation, and prepares learners for complex real-world problem-solving.

References:

1.Rose D., Meyer A. Universal Design for Learning: Theory and Practice. CAST Publishing, 2014. – 206 p.
2.CAST. Universal Design for Learning Guidelines. CAST Publishing, 2018. – 87 p.
3.Hattie J. Visible Learning: A Synthesis of Over 800 Meta-Analyses Relating to Achievement. Routledge, 2009. – 378 p.
4.Sawyer R.K. Explaining Creativity: The Science of Human Innovation. Oxford University Press, 2012. – 336 p.
5.Vygotsky L.S. Mind in Society: The Development of Higher Psychological Processes. Harvard University Press, 1978. – 159 p.
6.Tomlinson C.A. How to Differentiate Instruction in Mixed-Ability Classrooms. ASCD, 2001. – 133 p.
7.Ladson-Billings G. Culturally Relevant Pedagogy: Theory and Practice. Routledge, 1995. – 224 p.
8.Bruner J. Toward a Theory of Instruction. Harvard University Press, 1966. – 176 p.
9.Gardner H. Frames of Mind: The Theory of Multiple Intelligences. Basic Books, 1983. – 441 p.
10.Banks J. Multicultural Education: Issues and Perspectives. John Wiley & Sons, 2004. – 384 p.
11.Armstrong T. The Power of Neurodiversity: Unleashing the Advantages of Your Differently Wired Brain. Da Capo Press, 2012. – 256 p.

12.Darling-Hammond L. The Flat World and Education: How America's Commitment to Equity Will Determine Our Future. Teachers College Press, 2010. – 394 p.
13.Gagné R.M. Principles of Instructional Design. Holt, Rinehart and Winston, 1974. – 314 p.
14.Kolb D.A. Experiential Learning: Experience as the Source of Learning and Development. Pearson Education, 1984. – 256 p.
15.Shulman L.S. The Wisdom of Practice: Essays on Teaching, Learning, and Learning to Teach. Jossey-Bass, 2004. – 608 p.
16.Hammond J., Gibbons P. Scaffolding: Teaching and Learning in Language and Literacy Education. Primary English Teaching Association, 2005. – 109 p.
17.OECD. Key Competencies for Lifelong Learning. OECD Publishing, 2018. – 176 p.
18.Fullan M. The New Meaning of Educational Change. Teachers College Press, 2007. – 332 p.
19.Dilbar, U. (2022). A study of modern methods of teaching English. ACADEMICIA: An International Multidisciplinary Research Journal, 12(2), 258-260.
20.Кенжебаева, Г. М., & Уразбаева, Д. (2017). Возможности технологий запоминания в обучении иностранному языку. In Педагогические знания в системе высшей школы (pp. 61-64).
21.Бабажанова, К. И., & Уразбаева, Д. Т. Роль использования загадок в обучении английскому языку. Каракалпакского государственного университета им. Бердаха, 48.
22.Urazbaeva, D. (2020). The importance of improving online readiness skills in teaching English as a foreign language. East European Scientific Journal, 7(12 (64)), 28-31.