

Digital Pedagogy

Concept, Scope and Policy Perspective

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How does learning happen?



Neuroscience research shows that the human brain is plastic – it has the ability to change due to training throughout life.

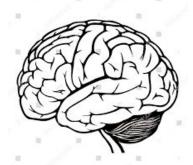
The formation of new brain connections and is possible because of a process called 'neuroplasticity'.



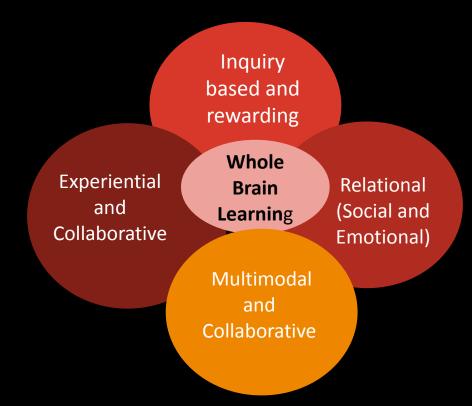
The new connections (neuroplasticity) formed in the brain due to instruction and practice (Draganski et al., 2004)



What is whole brain learning?



The idea that you use all of the areas of your brain during learning





Technology meets Pedagogy



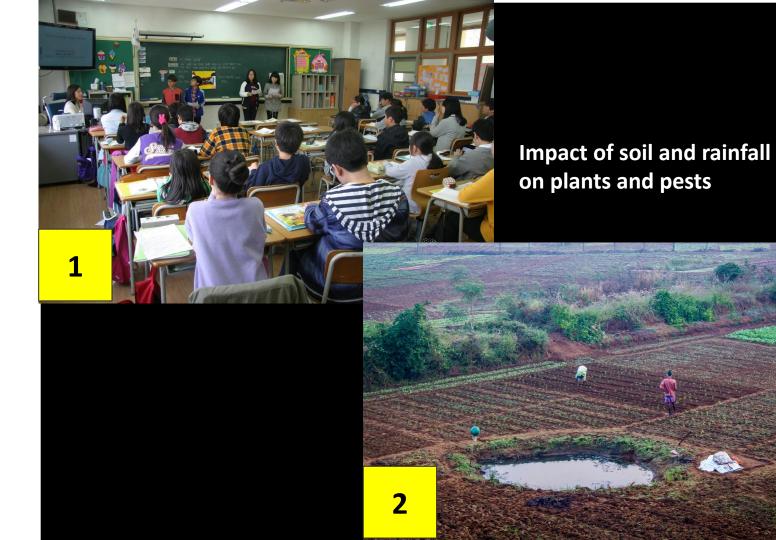
Digital Pedagogy

Digital pedagogy can be described as an innovative partnership of technology with pedagogy.

Digital Pedagogy is NOT the just use of ICT for learning and teaching but the creation of new interactive learning experiences using various technologies that meet the needs of each learner and enable whole-brain learning











Would you change your teaching method?

What new methods would you use in the field?



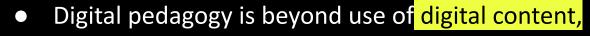


Environment, resources and tools impact pedagogy



Technology is an environment, not just a tool

 It offers unique possibilities for personalization, collaboration, creation





digital communication and online classes

 It is innovating teaching methods by utilizing technology with a clear purpose



Mahatma Gandhi Institute of Education for Peace and Sustainable Development

Typology of Free Web-based Learning Technologies (2020)

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[The original 2015 Typology of Web 2.0 Technologies is available from the Edvause website at https://library.edvause.edu/resources/2015/2/o-typology-of-web-20-learning-technologies [

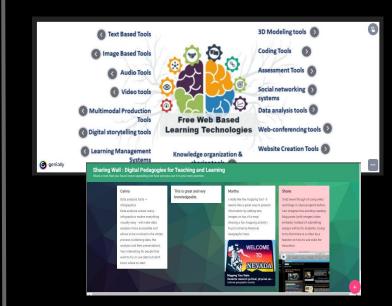
Abstract

The Typology of Prec Web-based Learning Technologies (2003) provides educative will a size of 285 technologies amaged find 40 years and 2 cluster that can be used via a browner to promote more productive and interactive learning. The 2003 reproject promotives are update to the productive published typology of Web 2.0 and categories are updated to the productive published typology of Web 2.0 and categories are updated to the categories to the three categories are no longer available and add new tools and categories that have tools that are no longer available and add new tools and categories that have categories are not produced to the categories tools are categories and the categories and the categories are not considered to consider admiring changing beautiful and categories to the categories are not considered and categories and categories and categories are not considered and categories and categories and categories are not considered and categories and categories are categories and categories and categories and categories and categories and categories are categories and categories

Introduction

The term "Web 20" was used any this century to observatine a new tree of simpletons we have been been brooking in that enables user to collectively contribute and parts me shorter (Orfalliy, 2007). The revolution of Viele 2.0 technologies compared to their more aborter (Orfalliy, 2007). The revolution of Viele 2.0 technologies compared to their more action precessors and the tittle yellowing large numbers of proposition contribute typically ontall insolution of context in a say that was openly acceptable and could be fieldly arranged acceptable and the contribute of the context of the contribute of

Digital Resource



Digital Pedagogy





Teachers need whole new set of skills and perspective to leverage technology for enhancing their teaching practice.

These skills and perspectives are referred to as Digital Pedagogy Competence



Policy acknowledges the need for digital pedagogy skills



| Guideline/ Framework | Priorities |
|--|--|
| NEP 2020 | Teachers need special pedagogical training to use digital technology |
| Pragyata Guidelines for Digital Education (NCERT, July, 2020) | Acknowledges differential access to technology and ways to personalize the teaching process |
| Guidelines for Development of eContent for School and Teacher Education (NCERT, 2020) | Mentions Universal Design (UDL) for Learning as a key framework to design learning experiences |



International Frameworks

- European Framework of the Digital Competence of Educators (DigCompEdu)
- 2. UNESCO: ICT Competency Framework for Teachers
- A Global Framework of Reference on Digital Literacy Skills for Indicator
 4.4.2
- International Society for Technology in Education (ISTE) Standards for Educators





DIGITAL PEDAGOGY ENTAILS USING TECHNOLOGY TO...



Present information such that it can be perceived and comprehended effectively



Offer multiple strategies to engage learners to motivate them



Enable learners to use the learning environment and express what they know



Thank You

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