Good to know: Digital Concepts

Online Learning

The use of internet-based technologies to deliver educational content and facilitate learning outside of traditional classroom settings.

Experiential Learning

"Learning by doing". One actively engages with material (experiments, projects) and reflects on the experience to solidify their understanding.

Journaling

Refers to the practice of reflection. Users regularly record their thoughts, experiences, and insights related to their learning journey. They might use a dedicated notebook, a blog, or even an online platform for this purpose. Learning through hands-on experiences and activities, which can deepen understanding and retention of concepts.

Netiquette

"Manners for the internet". It's a set of guidelines which teaches users appropriate behavior and communication etiquette, similar to real-world etiquette but adapted for the digital space.

Instructional Design

Instructional design utilizes established learning theories and principles to create engaging and effective learning journeys for students.

Educational Apps

Software applications specifically designed for learning. They leverage the power of technology to deliver engaging and interactive educational content on mobile devices or tablets. These apps cover a wide range of subjects and cater to learners of all ages, making education more accessible and convenient.

Digital Storytelling

Using a mix of photos, videos, music, and text to tell stories online. Using multimedia tools to create narratives, enhancing creativity and communication skills.

E-Learning

E-learning, short for electronic learning, is the use of electronic technologies to deliver educational curriculum outside of a traditional classroom. It encompasses a wide range of instructional content, including online courses, virtual classrooms, digital simulations, and educational games. E-learning allows students to access learning materials anytime, anywhere, using devices such as computers, smartphones, and tablets. It's a flexible and often cost-effective way to learn, offering opportunities for personalized learning experiences and self-paced study.

manupatra®

Concepts

Digital Literacy

Understanding how to use digital tools and resources effectively, critically, and ethically. This includes skills such as navigating the internet, evaluating online information, and protecting personal data.

Virtual Classroom

Online learning environment that replicates a traditional classroom setting. It uses video conferencing and other web-based tools to allow teachers and students to interact in real-time, through video, audio, and chat.

Data Analytics

Data analytics refers to the process of examining datasets to draw conclusions about the information they contain. It involves applying statistical and mathematical techniques to uncover patterns, trends, and insights in data. Data analytics is used in various fields to inform decision-making, improve processes, and gain a better understanding of complex phenomena.

Digital Portfolios

A collection of work, achievements, and skills presented in a digital format. It functions as an online showcase, allowing potential employers, clients, or educational institutions to view creative presentations of your qualifications.

Cybersecurity

Is the practice of protecting internet-connected systems, including hardware, software, and data, from cyber threats such as unauthorized access, data breaches, theft, and damage. It encompasses a range of techniques, technologies, and processes designed to safeguard digital assets and ensure the confidentiality, integrity, and availability of information.

Internet Safety

Refers to the practices and precautions taken to minimize risks and harm when using the internet. Educating students about online safety practices, such as creating strong passwords, avoiding cyberbullying, recognizing phishing attempts and how to protect students' data and privacy.

Copyright and Fair Use

Involves understanding copyright restrictions and the fair use doctrine, which allows educators to incorporate limited amounts of copyrighted material into their teaching materials for educational purposes. Knowing how to properly cite sources and adhering to fair use guidelines ensures educators can legally leverage valuable digital resources in their classrooms.

Digital Citizenship

Promoting responsible and ethical behavior online, including respect for others, protecting privacy, and contributing positively to digital communities.

Accessibility

This ensures all learners, including those with disability, can access and participate in learning through digital tools and materials. It involves providing options like alternative formats (e.g., text transcripts for audio), captions for videos, and compatibility with assistive technologies.

Information Literacy

It empowers students to navigate the digital information landscape effectively. This includes skills like conducting targeted searches, analyzing data objectively, and giving proper credit to sources through citations.

This essential skill set equips you to find, analyze, organize, and effectively use information in all its digital forms. Information literacy empowers you to make informed decisions, solve problems, and gain knowledge. Information literacy is essential for academic success, effective functioning in the workplace, and participation in society as knowledgeable citizens.

Data Literacy

It revolves around understanding techniques to interpret and analyze data effectively which involves recognizing patterns, making informed decisions and understanding data visualization techniques.

manupatra®