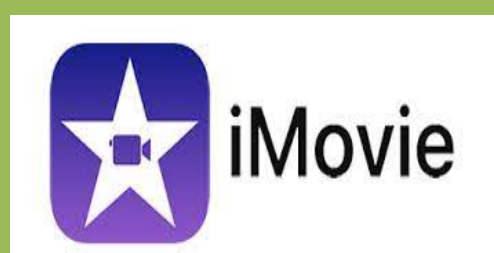


Emerging Technology for 21st-Century Learners

Learning tools for 21st-century global learners are rapidly changing. Traditional chalkboards have become interactive. Pens and pencils have succumbed to computers and mobile technology. News and information now come from internet sites and blogs. And publishing is something that is done online and anyone can do. Today, most global learners own mobile devices. They are heavily engaged with digital tools, learning outside of the classroom walls, and eager to innovate and create. These global learners are preparing themselves for jobs not yet created. That being said, application software (apps) provides personalized, relevant instruction that helps learners make sense of the information-rich world they live in.

“They cannot stop me; I will get my education - if it is in home, school, or any place.” – Malala Yousafzai (2003).

Video Creation



PROFESSIONAL-LOOKING VIDEOS CAN BE EASILY PRODUCED USING PHOTOS AND ILLUSTRATIONS. STUDENT-CREATED VIDEOS CAN CONVEY INFORMATION, EXPRESS OPINIONS, OR SPARK DISCUSSIONS WITH THEIR PEERS.

Podcasts

LEARNERS CAN RECORD AND PRODUCE AUDIO AND VIDEO RECORDINGS RELATED TO SPECIFIC TASKS. THEY CAN BE REGULARLY SCHEDULED PODCASTS OR SINGLE RECORDINGS WHICH RESIDE ON THE WEB FOR DOWNLOAD. REGULARLY PRODUCED PODCASTS ARE EASY WAYS FOR LEARNERS TO COLLECT AND SHARE INFORMATION.



Podbean



Podomatic

Blogs

BLOGGING APPS CAN BE USED FOR RESEARCH OR COMMUNICATION. BLOGS SPARK DISCUSSION AND CAN LEAD TO MORE ENRICHED LEARNING ENVIRONMENTS FOR ALL INVOLVED. THEY ARE GOOD FOR COLLECTING OPINIONS AND PEER REACTIONS, AND FOR EXPLAINING.



Mind Maps

MAPS HELP ORGANIZE THOUGHTS EITHER INDIVIDUALLY OR COLLABORATIVELY. THEY ALLOW LEARNERS TO BRAINSTORM AND PROBLEM SOLVE BY CREATING FLOW MAPS. THESE MAPS CAN THEN BE STORED ONLINE.



Collaborative Whiteboards

APPS LIKE FLOCKDRAW ARE VIRTUAL VERSIONS OF THE CLASSROOM WHITEBOARD. GROUPS OF LEARNERS COME TOGETHER IN A MEETING PLACE TO SHARE IDEAS. USERS CAN DRAW, WRITE TEXT, UPLOAD IMAGES OR LINKS, CHAT WHILE HEARING AND SEEING EACH OTHER THROUGH MICROPHONES AND WEBCAMS.



Web 2.0



ENABLES UNPRECEDENTED LEVELS OF INDIVIDUAL LEARNING AND PROVIDES PERSONAL RELEVANCE TO LEARNERS. LEARNING OCCURS THROUGH SEVERAL MEDIUMS-FACEBOOK, WIKIPEDIA, YOUTUBE, DEL.ICO.US, ETC. LEARNERS FIND SIGNIFICANCE IN EVENTS OTHERS IGNORE, SPREAD IDEAS INSTANTLY AND CHEAPLY, SEND IMAGES AND SPARK REVOLUTIONS AROUND THE WORLD.

Digital Storytelling

LEARNERS CAN USE MOVIE MAKER APPS TO TELL A STORY THROUGH DIGITAL PHOTOGRAPHS AND DRAWINGS, INFORMATION, VIDEO, RECORDED VOICE, AND MUSIC. STORIES CAN BE BASED ON BIOGRAPHIES, STUDENT WRITINGS, POEMS, ETC.

Windows Movie Maker



iMovie



Microsoft Photo Story

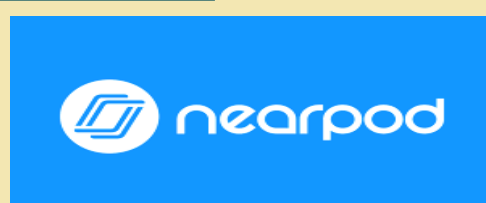


Multimedia Posters

CREATING INTERACTIVE POSTERS WITH MULTIMEDIA OBJECTS IS EASY WITH GLOG APPS. LEARNERS CAN CREATE INTERACTIVE POSTERS TO PRESENT INFORMATION ON ANY SUBJECT IN A CREATIVE ENVIRONMENT.

Interactive Presentations

INTERACTIVE PRESENTATIONS GRAB ATTENTION. SPATIAL LEARNERS LOVE THESE APPS AS THEY CAN CREATE VISUALLY STUNNING PRESENTATIONS THAT INVOLVE SEQUENCING. INTERACTIVE PRESENTATIONS ARE RADICAL ALTERNATIVES TO POWERPOINT. PRESENTATIONS CAN BE GIVEN LIVE OR HOSTED ON THE CLOUD.



Sources:

- All images retrieved and protected under Creative Commons license.
- Johnson, S. (2011). Digital tools for teaching: 30 e-tools for collaborating, creating, and publishing across the curriculum. North Mankato, MN: Maupin House Publishing.
- Yousafzai, M., & Lamb, C. (2003). *I am Malala: The girl who stood up for education and was shot by the Taliban*. New York: Little, Brown and Company.