

What does it take to be a digitally-enabled teacher?



February 20, 2013 at 3 pm ET

Monika Jankowska-Pacyna

Exploring the characteristics, attitudes and skills of tech-savvy teachers and what literacy practitioners and volunteers need to know, have or do to be effective in integrating digital tools and technologies into their practice.

What does it take to be a digitally-enabled teacher?



Monika Jankowska-Pacyna



- coordinates AlphaPlus' online presence (websites, social media, newsletters and groups)
- Spearheaded, organizes and delivers Tech Tuesdays sessions
- delivers presentations, workshops and online training webinars on ongoing basis

Nancy Friday



- currently focuses on learning management systems and Moodle training
- extensive hands-on experience in the field

Shifting trends and needs

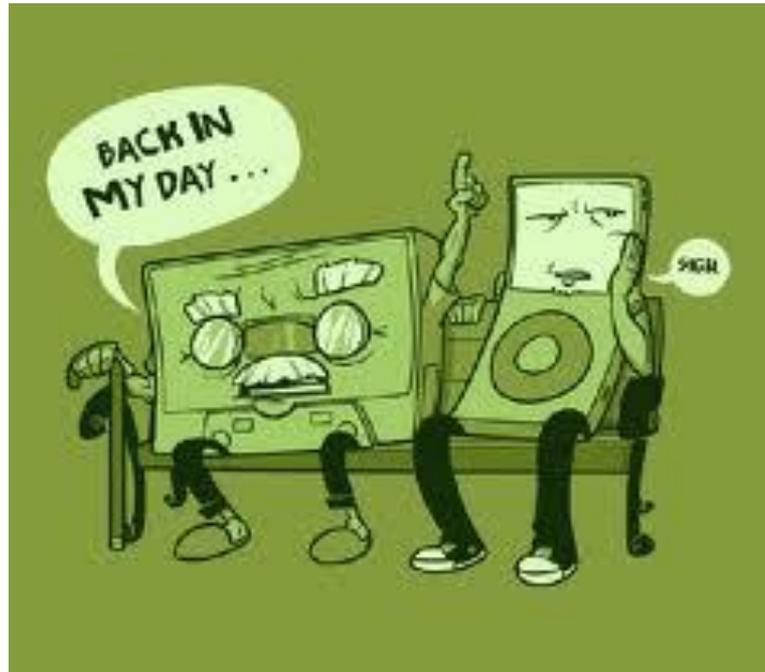


Image source: <http://keyezer.com/old-school-vs-new-school/>

Shifting trends and needs



The term **digital technologies** is used to refer to the ever-evolving suite of digital software, hardware and architecture used in learning and teaching in the school, the home and beyond.

http://en.wikipedia.org/wiki/Digital_technologies_in_education

Shifting trends and needs



“Technology is changing so fast these days that it's important for all of us to keep in the know about the new web tools and resources.

You don't have to be experts with these new tools and websites, but a little bit of knowledge and exposure can go a long way.”

Helene Blowers,

The designer of The Learning 2.0 program and initiator of 23 things...

<http://plcmlearning.blogspot.ca/>

What do you think? What do you expect from this webinar? Chat discussion

Shifting trends and needs



Technology in the classrooms...

- SmartBoards
- Online courses/learning environments
- Comments
- Chats
- Discussions/Forums/Bulletin boards
- Games
- Mobile devices (Smart phones, tablets, readers)
- Conferencing tools/VoIP
- Social media (Facebook, Twitter, LinkedIn)
- Videos
- Flipped classroom models

- More demands
- Faster pace
- Less time
- Reporting requirements
- Pressures and expectations to be **digitally-savvy**

Shifting trends and needs



- Other educational systems might receive more support for technology training and integration
- Ontario Adult Literacy Curriculum Framework (OALCF) – Use Digital Competency (goes beyond computers – ATM machines, card readers, etc.)
- Current and future jobs require the digital skills
- Training/PD development very limited
- Literacy educators and volunteers often have to learn-on-the-go, learn from others and self-educate

So... what does it take?

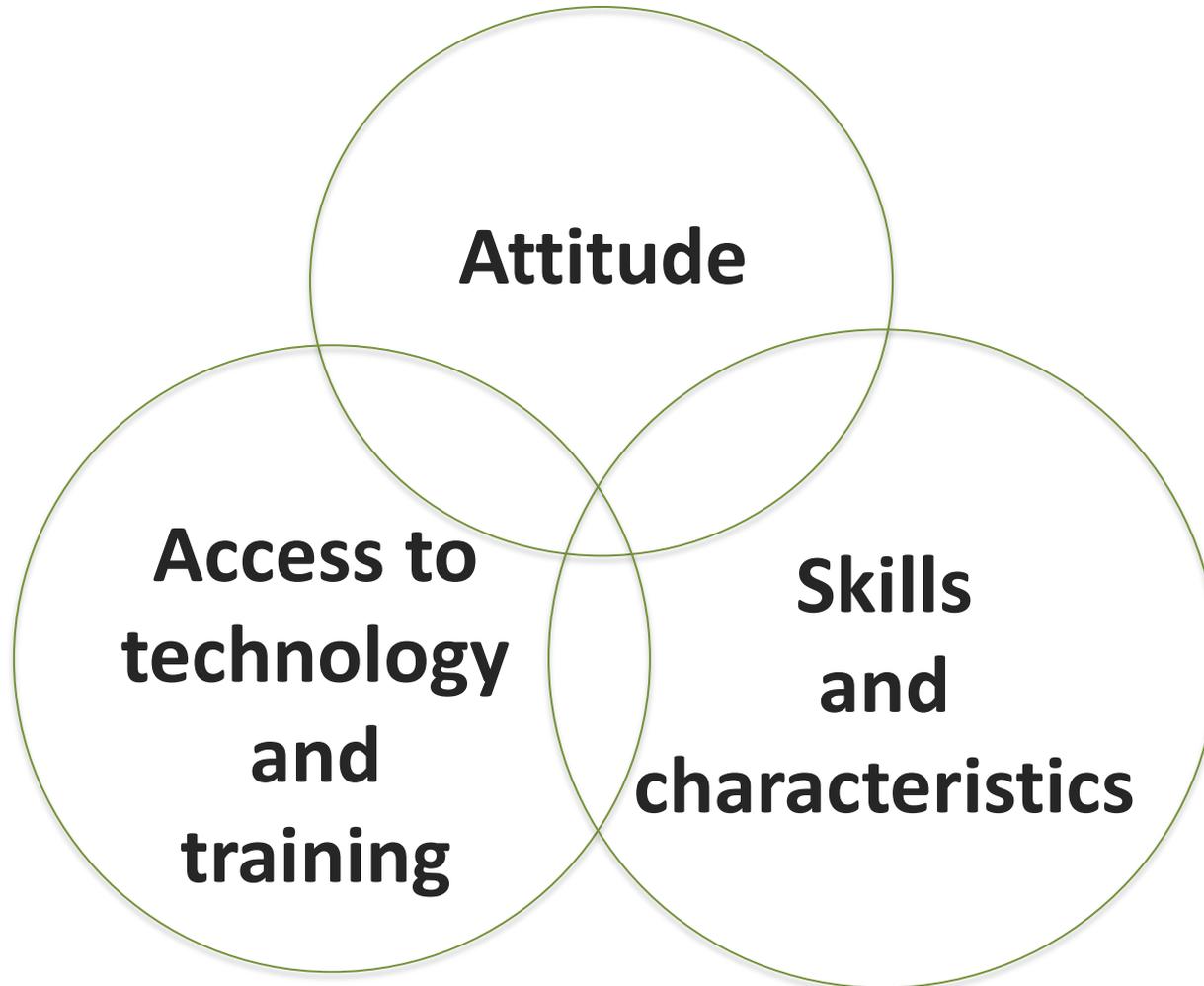


So... what does it take to be a digitally-enabled teacher?

The answer is not that simple ...



The answer is not that simple...



Attitude



When it comes to change, attitude is important!

- A life-long learner approach
- Eager to try new and different things
- Open to exploring new technology and tools
- Interested in learning from others (even your children and/or students)
- Accept your limits and learn from your mistakes

Show your students that you are also a learner ...

What do you think? Chat Discussion

When you have a bit of time, check out this [teach different](#) video

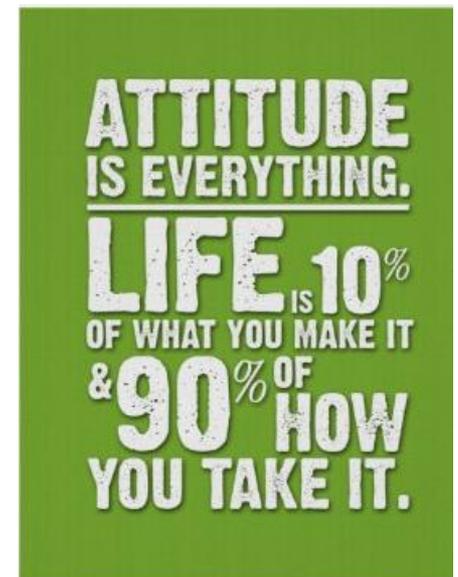


Image source:

http://www.zazzle.ca/attitude_is_everything_poster_green-228069784310330360

Attitude



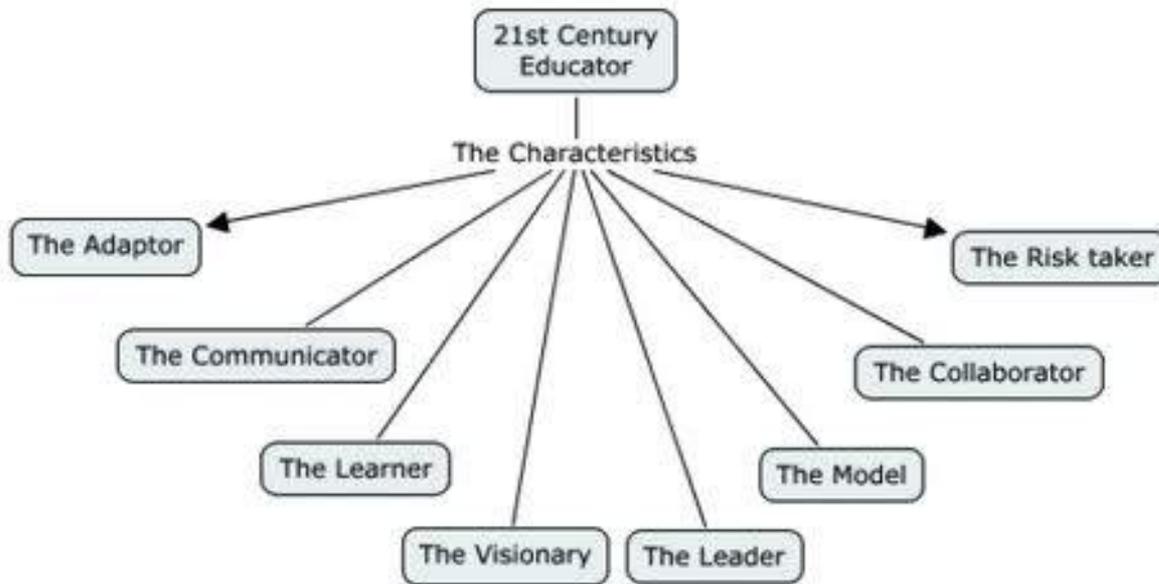
Also, educators should:

- Share and model the use of current internet tools
- Participate in professional networks
- Assist students as they build their learning networks
- Provide sufficient learning opportunities for students to become digitally literate
- Inspire others to be quality digital global citizens.

<http://www.educatorstechnology.com/2011/01/21st-century-skills-teachers-should.html>

When you have a bit of time, check out this [When I become a teacher](#) video

Skills and characteristics



By Andrew Churches

Image source: <http://www.educatorstechnology.com/2011/01/21st-century-skills-teachers-should.html>

Skills educators should have



33 digital skills 21st century educators should have:

<http://www.educatorstechnology.com/2012/06/33-digital-skills-every-21st-century.html>

- Create and edit **digital audio**
- Use **social bookmarking** to share resources with and between learners
- Use **blogs and wikis** to create online platforms for students
- Exploit **digital images** for classroom use
- Use **video** content to engage students
- Use **infographics** to visually stimulate students

Skills educators should have



- Use **Social networking sites** to connect with colleagues and grow professionally
- Create and deliver **asynchronous presentations** and training sessions
- Compile a **digital e-portfolio** for their own development
- Have a knowledge about **online security**
- Be able to detect **plagiarized works** in students assignments
- Create **screen capture videos** and tutorials

Skills educators should have



- Curate **web content** for classroom learning
- Use and provide students with **task management tools** to organize their work and plan their learning
- Use **polling software** to create a real-time survey in class
- Understand issues related to **copyright and fair use** of online materials
- Exploit **computer games** for pedagogical purposes
- Use **digital assessment tools** to create quizzes

Skills educators should have



- Use of **collaborative tools** for text construction and editing
- Find and evaluate **authentic web based content**
- Use of **mobile devices** like tablets
- Identify **online resources that are safe** for students browsing
- Use digital tools for **time management** purposes
- Learn about the different ways to **use YouTube** in your classroom
- Use **note taking tools** to share interesting content with your students

Skills educators should have



- **Annotate web pages** and highlight parts of text to share with your class
- Use of **online graphic organizers** and printables
- Use of **online sticky notes** to capture interesting ideas
- Use of **screen casting tools** to create and share tutorials
- Exploit **group text messaging tools** for collaborative project work
- Conduct an **effective search query** with the minimum time possible
- Conduct a **research paper using digital tools**
- Use **file sharing tools** to share docs and files with students online

Developing the skills



**This list can be intimidating, but don't despair or get discouraged...
Think of 23 Things and how it revolutionized the world!**

- Blogging (Blogger/Wordpress)
- Photos & Images (Flickr)
- RSS & Newsreaders
- Social bookmarking
- Wikis
- Online Apps (Google Docs)
- Podcasts and d videos
- And more...

<http://plcmclearning.blogspot.ca/>



What do you think? Chat Discussion

Developing the skills



Let's 'eat' an elephant one piece at a time..

You don't eat an elephant in one bite (figuratively speaking, of course) and you don't paint a house in one brush stroke.

The key to success is taking one step/section/piece at a time.



Developing the skills



Become a Tech Savvy Teacher by 2014: A 12-Month Plan

<http://edcetera.rafter.com/become-a-tech-savvy-teacher-by-2014-a-12-month-plan>

January — Conduct an Ed Tech Audit

February — Build or Fine-Tune Your Personal Learning Network

March — Host or Participate in a Google+ Hangout, Twitter Chat, or Discussion Group

April — Transform Your Students from Consumers to Creators

May — Submit an Article or Blog Post

June — Explore

Developing the skills



July — Attend the Campus Technology Conference

August — Participate in Connected Educator Month

September — Help out Your Less Savvy Colleagues

October — Do Something That Scares You

November and December — Gather Data and Conduct an Annual Review

What do you think? Is that doable? [Chat Discussion](#)

Developing the skills



Consider joining Communities of Practice

Educators and adults alike prefer to have a learning experience where they feel connected to others to assist in advancing in their knowledge in both face to face and online applications. These communities come together to share, compare and inquire about others who are in the practice of teaching. A community of practice strives to learn, is not afraid to experiment and truly believes in collaboration.

- Groups (LinkedIn, Central Desktop, etc.)
- Webinars (i.e AlphaPlus Tech Tuesdays, ESO, CLLN, LNO, etc.)
- Discussions (Google discussions, organizational forums)
- Presentations and meetings (conferences, PD days, networking events, etc.)

Developing the skills



- YouTube videos
- [GCFLearnFree](#) – not only for learners
- [TED talks](#): Riveting talks by remarkable people
- MOOCs (Massive Open Online Courses)
http://en.wikipedia.org/wiki/Massive_open_online_course
- Good websites with info and suggestions, i.e.
<http://www.educatorstechnology.com>
- <http://www.iste.org/standards>
- [21st Century Learning presentation](#) -
<https://docs.google.com/presentation/d/1ymip2kXC-SI7B2NtDR-Dj3VcDfww3kAGiT7UYsnaxEw/edit?pli=1#slide=id.i0>

Use the chat feature to provide other suggestions, places you go to and learn from...

Access (technology and training)



Access to:

- **Technology (at home and at work)**
 - Internet/devices
 - Updated
 - Stable and reliable
- **Training**
 - Accessible
 - Ongoing
 - Needs-driven
 - Fun



Image source:
<http://www.countyoofs.org/eu/dept1.aspx?id=8554>

Consider exploring [Technology Planning Roadmap](#) from AlphaPlus

Going beyond specific computer skills



Programme for the International Assessment of Adult Competencies (PIAAC) survey – Problem Solving in Technology-Rich Environments and the Survey of Skills Used at Work

“First, how do we teach technology skills in a manner that reaches beyond specific computer skills, operations and software?”

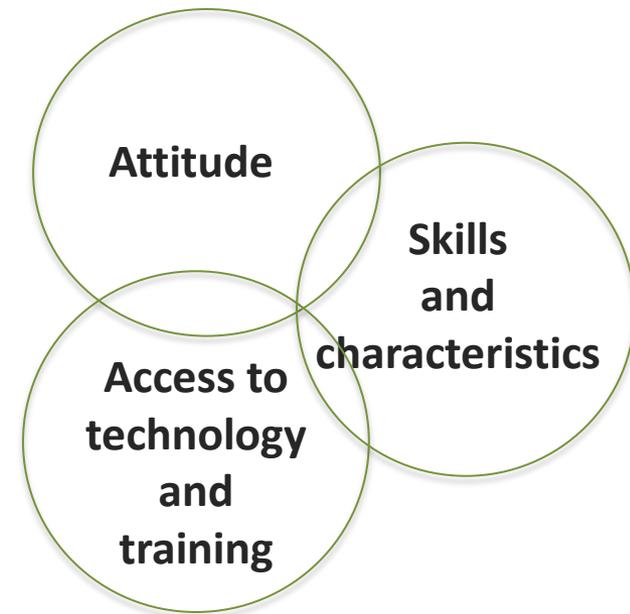
Second, PIAAC may provide answers to the question of what kinds of generic skills are still needed for today’s jobs.”

<http://www.essentialskillsontario.ca/sites/www.essentialskillsontario.ca/files/Essential%20Skills%20Bulletin%202013%20PIAAC.pdf>

Summary



- Digital divide
- Tech skills continuously evolving and changing
- Educators need to engage/prepare adult students to use technology
- Educators need to be open to and know the technology as well – develop their skills on ongoing basis
- No clear cut list of skills/tools one should know – responding to needs and attitude is important
- Take charge, make time to learn with and from others
- If possible advocate for technology/training support



When you have a bit of time, check out this [Teacher Education and 21st Century Skills](#) video

More discussions



Interested in discussing this topic in more detail?

Expressing your point of view... Sharing information and resources...

We can:

- Set up a Google Group discussion
- Start a new discussion in the [Adult Literacy Network](#) group on LinkedIn
- Set up a discussion on [AlphaPlus Facebook page](#)

More discussions - What would be your preference? Poll

Great tips for digital environment



Suggestions for how to ensure successful interaction with information in an educational digital environment

<http://upetd.up.ac.za/thesis/available/etd-08022003-002315/>

Table 8 - 5 Actions to ensure successful interaction with information in an educational digital environment

Factor	Measure
Classroom ecology	<ul style="list-style-type: none">• Permit learners to select their own seating positions and keep them for a length of time.• Arrange seating of learners in compact areas, i.e. physically near each other where they can easily work in groups.
Contact environment	<ul style="list-style-type: none">• Spend a long period teaching learners in a collaborative environment before requiring learners to do work alone or at a distance.
Content	<ul style="list-style-type: none">• Ensure the content of work is personally meaningful to the learners.• Ensure learners are able to use applications well before they are required to change the application format of information to another application format, i.e. before they are required to transmediate information.• Discourage the use of ready-made images, such as clipart, as they seldom add value to the meaning of information in the context.
Examples	<ul style="list-style-type: none">• Provide readily accessible examples for the learners to copy and improve upon.
Instructions	<ul style="list-style-type: none">• Provide clear instructions with options from which to select.• Make sure learners understand and comprehend the instructions.
Mental state	<ul style="list-style-type: none">• Provide a mental environment where exploration is the norm.
Motivation	<ul style="list-style-type: none">• Provide motivation for both academically brighter and weaker learners.
Peers	<ul style="list-style-type: none">• Utilise peer interaction and support in the teaching methodology.
Software	<ul style="list-style-type: none">• Encourage the use of the software available at school so that there are common applications.
Time	<ul style="list-style-type: none">• Structure time in the computer laboratory for work.• Plan time usage to cater for fast and slow learners - enough time for slow learners to complete the work while fast learners can spend the extra time on additional facets of the projects that could extend their capabilities even further.• Break work up into easily manageable chunks and set a time limit for each chunk, thus teaching learners to manage time.

Upcoming webinars



March 20, 2013, 3 pm ET

E-learning and the OALCF Goal Paths

Maria Moriarty

March 20, 2013, 11 am ET

CLAO Utiliser la technologie numérique – Ressources

Matthias Sturm

This webinar will be delivered in French

More AlphaPlus webinars:

<http://alphaplus.ca/en/training/webinarsgroup1/webinars-schedule.html>

Thank you and webinar feedback



Thank you very much for participating in this webinar.
Before we wrap up, can you please fill out a quick survey?

<http://www.surveymonkey.com/s/digitally-enabledteacher>

Contact AlphaPlus at info@alphaplus.ca

Presentation and a link to the recording will be posted on AlphaPlus website at <http://alphaplus.ca/en/training/webinarsgroup1/digital-competency-wednesdays.html> and shared with participants via a follow up email.