ONLINE TECHNOLOGY IN OCCUPATIONAL THERAPY EDUCATION & PRACTICE



A PARTICIPATORY WORKSHOP



DON'T BE OVERWHELMED... YOU HAVE A NETWORK OF SUPPORT!



YOUR NETWORK OF SUPPORT!



Our team

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TODAY'S WORKSHOP

- Highlight the potential applications and benefits of using online technology for occupational therapy
- Review a selection of the many online tools
- Demonstrate how you can "get on board the train" with blogs, podcasts & wikis
- Discuss managing your online identity
- Consider how we can prepare to welcome the "Net" Generation as colleagues

"A vast number of online health resources are not created by healthcare professionals or have no professional input..." (Potts, 2006)

So we need to:

- Become skilled in using online technology for knowledge retrieval, storage, generation & transfer
- Encourage health professionals to share knowledge online
- Collaborate with stakeholders using online technology
- Break down the barriers to accessing online technology
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(Kamel Boulos & Wheeler, 2007)

WARM-UP ACTIVITY

What's your online profile?

Techno-phobe or techno-geek, early adopter or online lurker?

Instructions

- Line up along the wall
- For each question that you answer "yes", take a step forwards (big steps allowed for emphasis)
- After we have asked all the questions we will take a look at the room (and take a photo) to "profile" the group

Online Technologies



What are they and how can I use them?

Evolution of Online Technology

Phase	Feature
Web 1.0	One-way web
Web 2.0	Interactive web
Web 3.0	Immersive web

Online tools

- Blogs/Microblogs
- Collaborative writing
- Discussion Forums
- Online citation manager
- Online databases
- Online surveys
- Podcasts
- RSS feeds & Readers
- Social bookmarking

For comprehensive information about online technologies see the wiki OT4OT

- Social networks
- Video feeds
- Virtual worlds
- Voice over Internet Protocol



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Using online technology to manage a world of knowledge



Knowledge retrieval, storage, generation & transfer

Evidence-Based Information

Communities of Practice

Client opinion & ideas

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Resources and information

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Online tools in use in occupational therapy



Get ready to board the train!

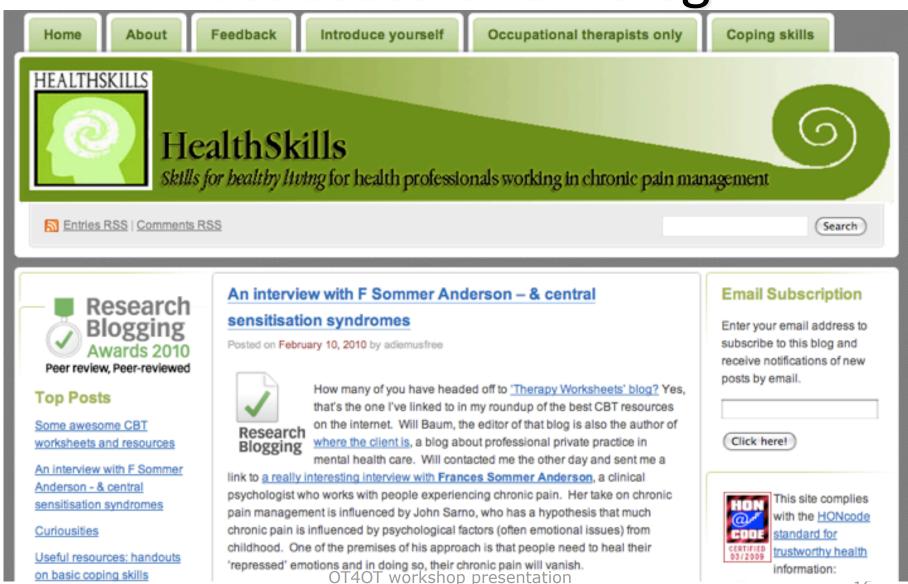
Web-log or Blogs

- Purpose of blogs:
 - Information sharing
 - Experiential (story telling)
 - Reflective
- Created by individual/groups for sharing with others
- Can be public or private
- Public- interactive discussions between like-minded individuals
- Very easy to set up
- Is a great way to start working in the online world

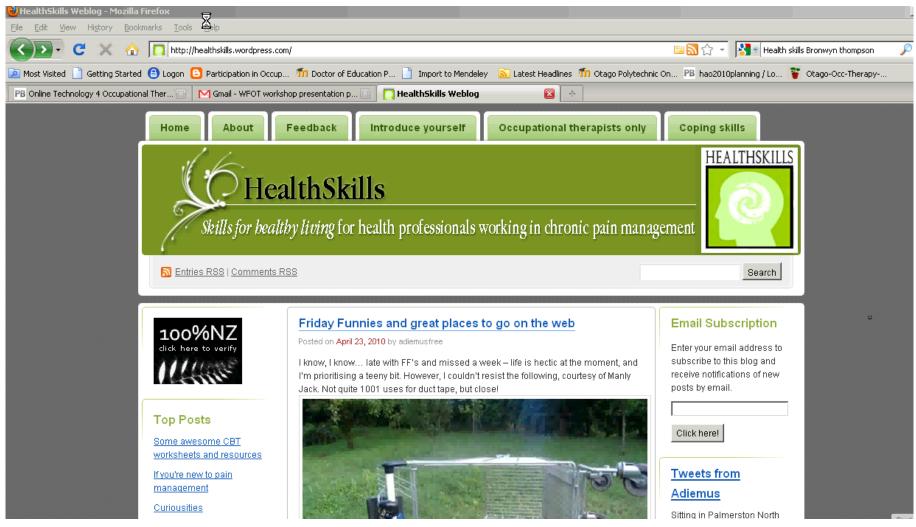
Web-log or Blogs

- Where to start:
 - Easiest Blog: Blogger
 - Sophisticated Blog: WordPress
- What's the secret?
 - Write regularly
 - Make it interesting include links etc
 - Connect with others, and use the other tools to 'advertise' your posts

A successful OT blog



How to comment on a blog

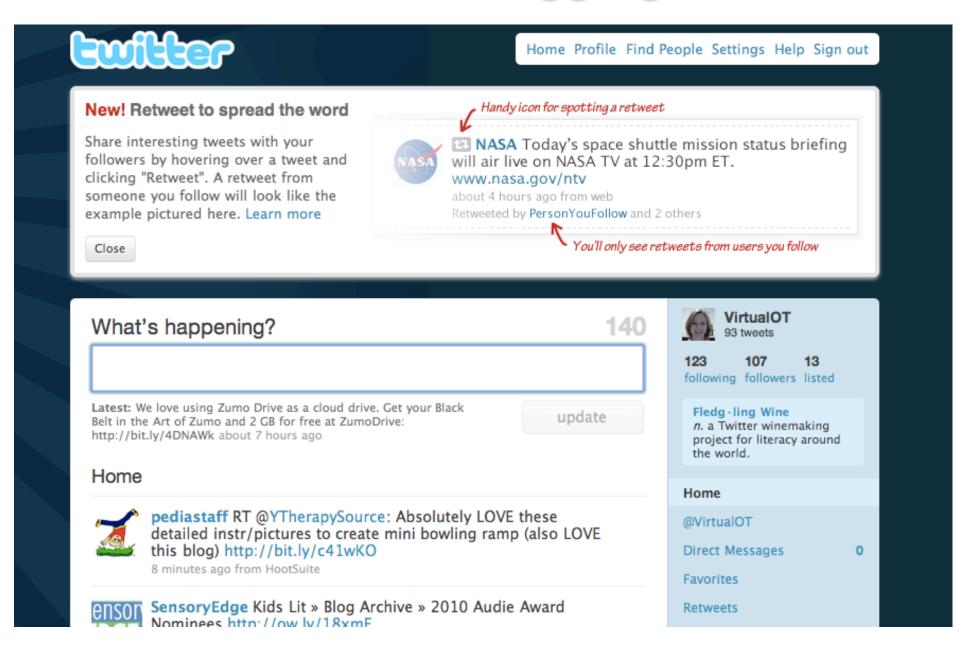


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Micro-Blogs

- Different from a traditional blog in that its content is typically much smaller, in length file size
- An entry consists of a short sentence fragment, image or video
- Microbloggers post about "what I'm doing right now," to the thematic, such as "assistive technology"
- Commercial microblogs also exist, to promote websites, services and/or products.
- Where to start:
 - Twitter
 - Buzz

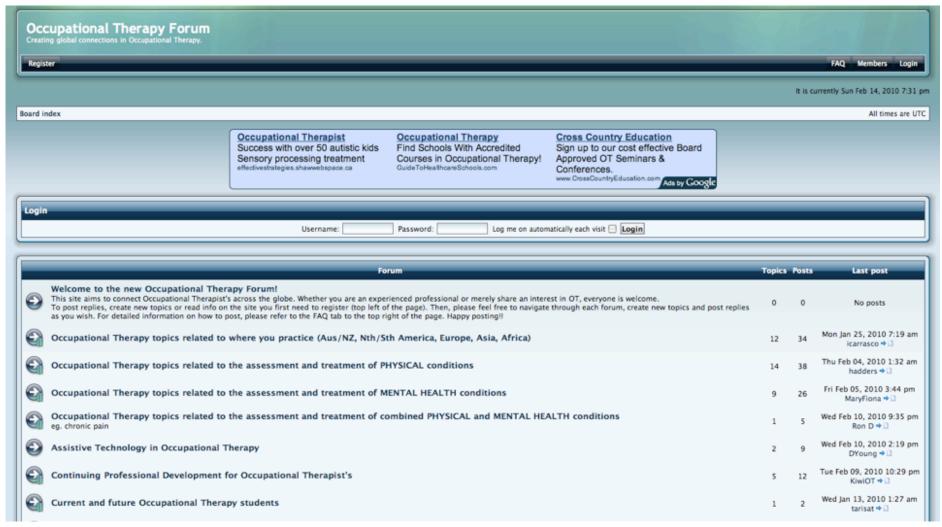
Micro-blogging



Discussion forums

- Remember List servers?
 - They moved to discussion forums
 - Discussion forums then moved to blogs, twitter and social networks (mainly facebook and LinkedIn)
- Manage user-generated discussions
- Usually moderated by a group/team
- Social bonds and interest groups for a topic may form from the discussions
- Where to start:
 - phpBB (Kawa forum and "Occupational Therapy Forum" use this program)
 - UltraBB

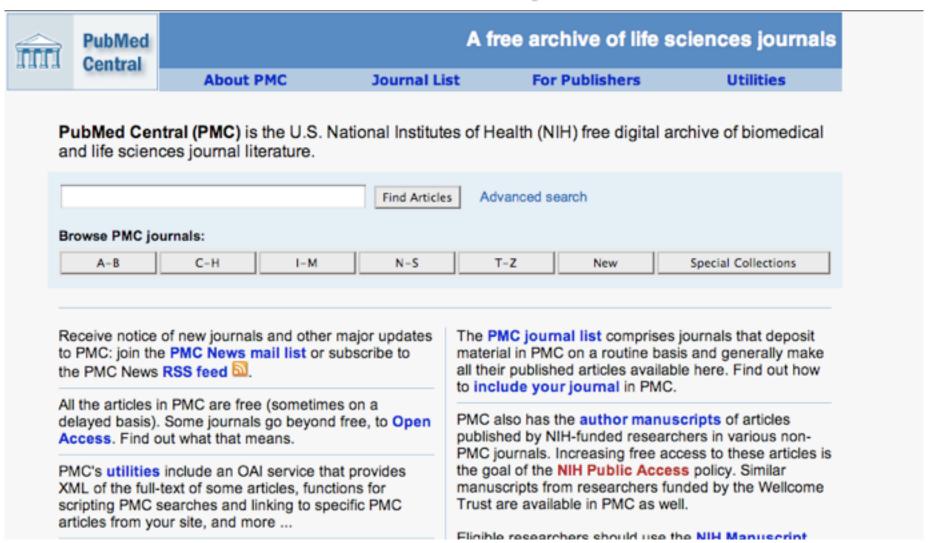
An OT discussion forum



Online scholarly databases

- Freely accessible Web search engine that indexes the full text of scholarly literature across an array of publishing formats and disciplines.
- Where to start
 - Pubmed
 - BMJ
 - Google Scholar

Online scholarly database



Podcasts and Videocasts

- A series of audio or video digital-media files that are distributed over the Internet by syndicated download (RSS), through Web feeds, to portable media players and personal computers
- Where to start
 - CNET Podcast Central
 - PodcastDirectory.com
 - YouTube
 - Talkshoe

Podcasts



Videocasts



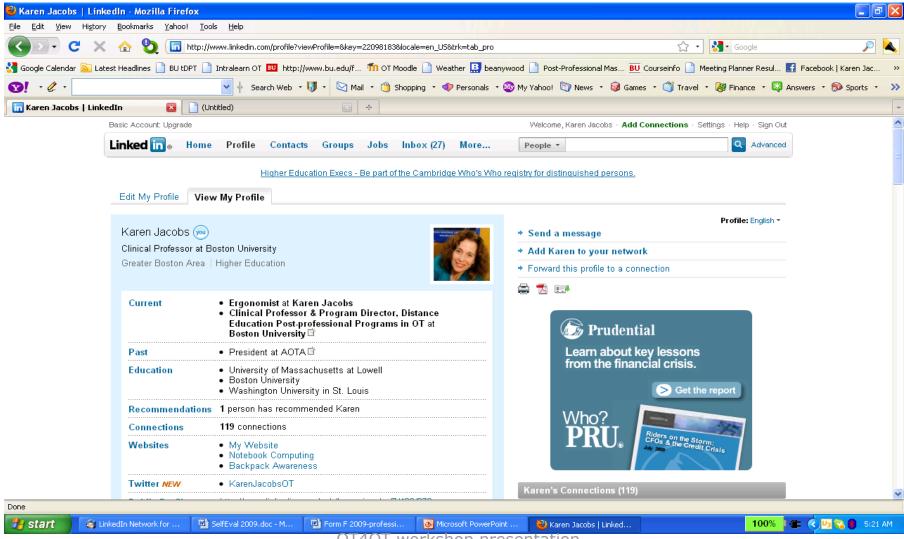
Social Networking

- Support maintenance of existing social networks, or connect people with shared interests
- Sites vary in the types of applications and communication tools they offer, such as mobile connectivity, blogging and photo- or videosharing (Kamel-Boulos et al. 2007)
- They make a user's network visible to others, opening up the possibility of new connections and new networks
- There are over 40 major social network sites on the Internet today, with the two most popular in the English-speaking world being Facebook and MySpace (Junco & Cole-Avent 2008)
- A different type of social networking site is Ning, where users set up their own social networks based on special interests

Social Networking



Social Networking



Voice over Internet Protocol

- VoIP services convert voice into a digital signal that travels over the Internet to a computer or a phone or another computer
- Some programs can be added so that you can record online calls (e.g. Ecamm Network)
 - Skype
 - iChat
 - Google talk
 - Wimba

Wiki

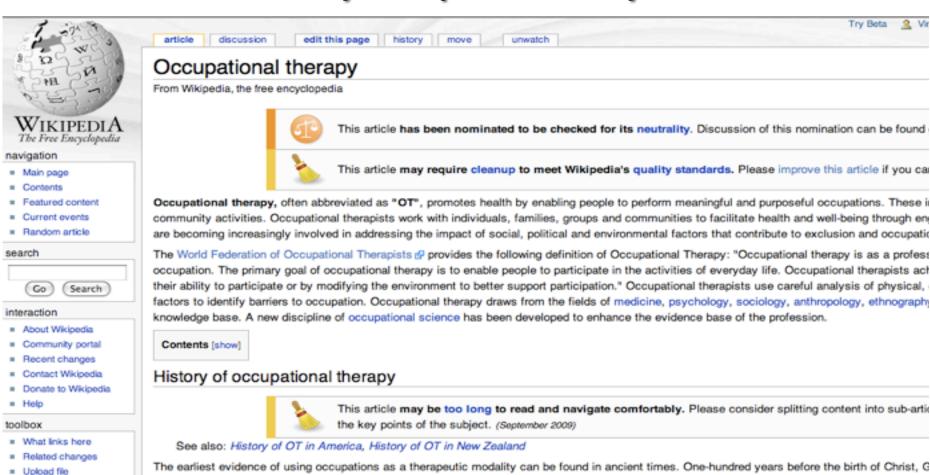
Wiki means "fast" in Hawaiian

- A collaborative software that allows a group to collaborate
 - Users add content and edit others' content
- Able to be developed, edited and modified with no knowledge of programming or HTML
 - making it accessible to everyone, not just the tech-savvy!
- Able to be maintained equally by all users
- Is a great way to start sharing information in the online world
- Where to start:
 - Easiest wiki: PB Works
 - Sophisticated wiki: Mediawiki

A wiki's content is generated by its users

- The users are responsible for the direction and content of the wiki web site over time.
- Everyone that uses the wiki has the opportunity to contribute to it and/or edit in the way that they see fit.
- This allows a wiki to change constantly and morph to represent the needs of the users over time.
- Roll-back capacity in "history" tab can remove accidental loss of data or enable group to restore content or return to a previous version.

A wiki you probably know!



print/export

Create a book

Special pages

Permanent linkCite this page

concept of humane treatment of people considered to be insane was rare, if not nonexistent[3],

with mental illness via the use of therapeutic baths, massage, exercise, and music. Later, the Roman Celsus prescribed music, travel, conversatio

In eighteenth century Europe, revolutionaries such as Philippe Pinel and Johann Christian Reil reformed the hospital system. Instead of the use of and leisure activities in the late 1700s. Although it was thriving abroad, interest in the reform movement waxed and waned in the United States thro

physicians became increasingly interested in chronic disease, enthusiasm for the reform of the mental healthcare system was revived in the states

Wikis in healthcare

Wikis can be used:

For collaboration on projects and research

As a continuing professional development tool:

- Connect practitioners in different geographic locations
- Develop communities of practice

As a tool with clients:

- For sharing knowledge (encyclopedia-style wiki)
- Create resources for ongoing use by clients (eg: home modification wiki)

To learn how to make a wiki visit our wiki



Online tools

- Blogs/Microblogs
- Collaborative writing
- **Discussion Forums**
- Online citation manager
- Online databases
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HOW DOES THIS APPLY TO PRACTICE?

Using online technology to manage a world of knowledge



Knowledge retrieval, storage, generation & transfer

Evidence-Based Information

Communities of Practice

Client opinion & ideas

Resources and information

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Evidence-based practice

- Information on the Internet is often criticized for the following reasons:
 - Not clearly sourced/referenced
 - Not peer reviewed
 - Information may not have been retrieved or shared ethically
- How do we know what we can trust?
 - Cites references from reliable sources
 - Registered with an online credentialchecking organization
 - Contains RSS feeds from reputable sites





Communities of practice

- Online tools are perfect for creating communities of practice
 - Social networking
 - Wikis
 - Collaborative writing
 - Social bookmarking
 - Blogs & Microblogs
 - Virtual Worlds



Virtual Worlds

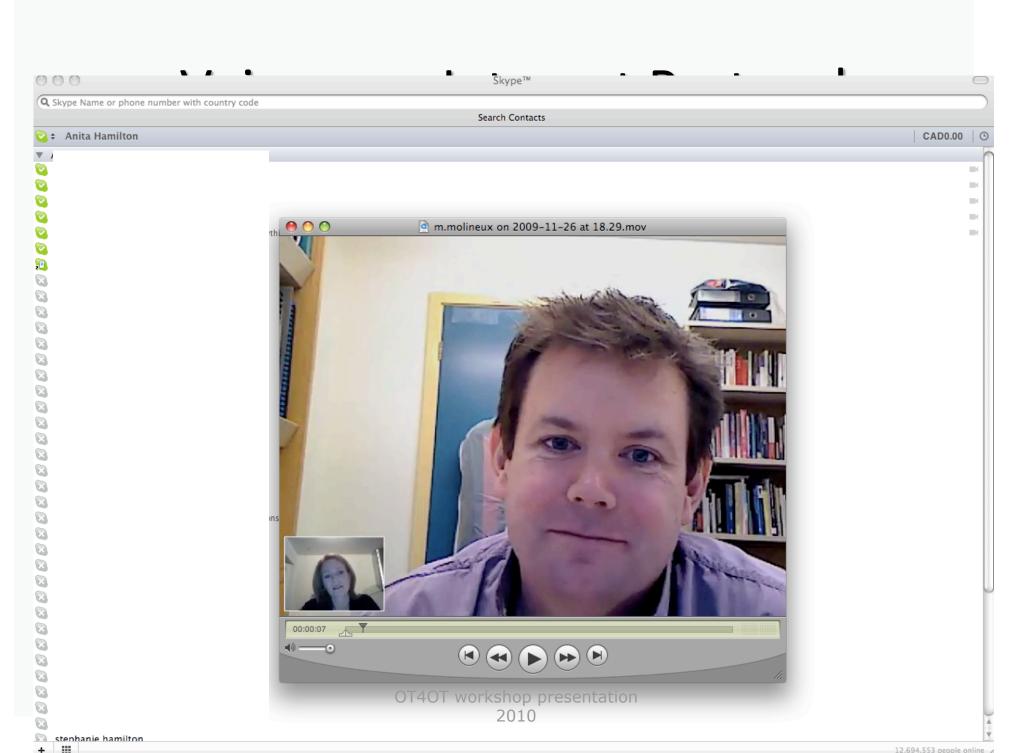


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Online with clients

- Online tools are perfect for obtaining information and opinions from clients
 - Online Surveys
 - Discussion forums
 - Wikis
 - Blogs
 - Virtual worlds





Resources for & by clients

- Online technology can host information for clients
 - Blogs
 - Wikis
 - Podcasts (audio only)
 - Videocasts (visual and audio)
 - Communities of interest



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Community resource wiki







Home for Life_™

- Design and Modifications for Barrier-Free Living -

If you are looking to design and/or modify your home to be more accessible, you are in the right place! This wiki is a resource architects, designers, and contractors to find and share information about home modifications.



This wiki is targeted for persons living in Alberta, Canada. However, it can be accessed by anyone in th free to look at our wiki, make an account, and add to it...







Podcasts





Online identity and professional identity

Issues of professional identify stem from professional socialisation and development (Mc Gowen & Hart, 1990)

This includes the acquisition of specific knowledge and skills and the development of new values, attitudes and behaviours (Hall, 1987; McGowen & Hart, 1990; Watts, 1987).

Standards for Professional Practice

- You must keep high standards of personal conduct.
- You must behave with honest and integrity
- Your behaviour must not damage the public's confidence in you or your profession.
- If a health professional does not meet HPC standards registration can be revoked.

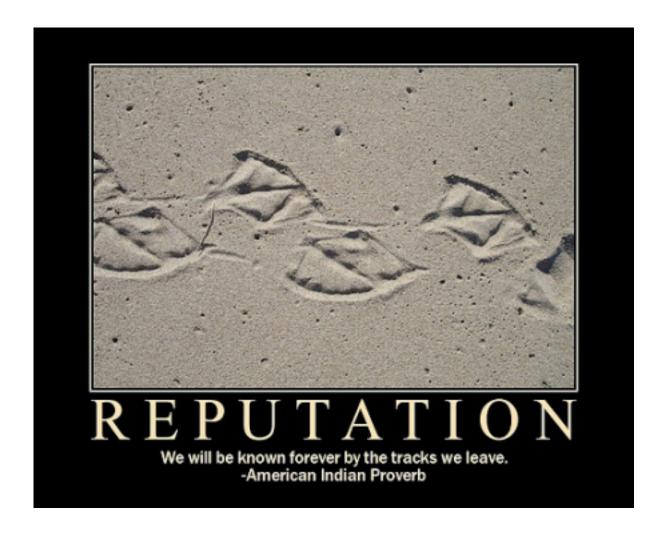
HPC Standards of Conduct, Performance and Ethics (2008)

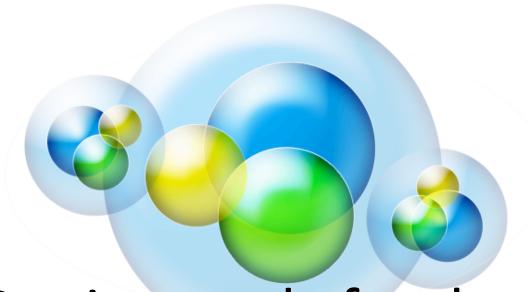
A modern day professional necessity?

- Reputation enhancing
- Profile development
- Professional networking
- Engaging with a global community
- Continuing professional development

Important considerations

- Build your identity carefully
- Choose the best tools for the job
- Think about the image you wish to convey
- Manage and monitor your identity regularly
- Maintain your visibility
- Adhere to netiquette (... or twitiquette)





Getting ready for the Net Generation to join us in practice

What are the cultural norms of the Net Generation?

1. Freedom

5. Entertainment

2. Options

6. Collaboration

3. Scrutiny

7. Immediacy

4. Transparency

8. Innovation

What can we do...?

Create an environment that values the "norms" of this subculture

"OT" establishment

Tools for professional practice

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Tools for professional practice

Where to from here?

Check out our wiki;
join the Facebook group;
Show WFOT the way as they move to using social network tools...

Websites

AOTA Living Life to its Fullest Podcasts:

http://www.aota.org/Consumers/Podcasts.aspx

Cathy's EC Café: http://www.eccafe.org/

CiteULike: http://www.citeulike.org/

Delicious: http://delicious.com/

Diigo: http://www.diigo.com/index

Facebook: http://www.facebook.com/

Google Docs: http://docs.google.com

Google Reader: http://reader.google.com

Healthskills Weblog: http://healthskills.wordpress.com/

iGoogle: http://www.google.com/ig

Linkedin: http://www.linkedin.com/

Websites

Mediawiki: http://www.mediawiki.org/wiki/MediaWiki

Occupational Therapy Forum:

http://www.occupationaltherapyforum.com/

PBWorks: http://pbworks.com/

Podcast directory: http://www.podcastdirectory.com/

Pubmed Central: http://www.ncbi.nlm.nih.gov/pmc/

Second Life: http://secondlife.com/?v=1.1

Skype: http://www.skype.com/

Survey Monkey: http://www.surveymonkey.com/

Twitter: http://healthskills.wordpress.com/

Wikipedia: http://en.wikipedia.org

YouTube: http://www.youtube.com/

Zoomerang: http://www.zoomerang.com/

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