CYFAR 101:
TECHNOLOGY
UTILIZATION AND
INTEGRATION

July, 2010
Trudy Dunham, CYFERnet Technology
Not-So-Geek Speak

- 3G, 4G
- App
- Augmented Reality
- Blackberry Jam
- Citizen Journalism
- Clickers
- Cloud computing
- Creative Commons
- Crowd sourcing
- Dashboard
- Designated Texter
- Disruptive innovation
- Kthxbi
- The Long Tail
- Lurker
- OpenID
- Produser
- Textrovert
- Unfriended
- Wisdom of the Crowd
THIS PRESENTATION IS ONLINE!

June version:
http://www1.cyfernet.org/tech/cyfar101.ppt

July version:
http://www1.cyfernet.org/tech/cyfar101-2.ppt
Today’s Agenda

- **Basic Concepts:** Core things to think about and remember.
- **Overview:** Main Areas to Consider and Include in Your Tech Plan:
- **Try Some Tools You Can Use:** (Think function, because the tools change almost daily!)
Basic Concepts

- Focus on concept & function
- Focus on the benefits to your program
- Work within the context of your institution
- Constant change, converging, becoming smart
- Technology is core to 21st century life, use it to:
  - Engage, motivate
  - Build learning and workforce skills
- Recognize the regional & cultural differences
- Share (and implement) your Utilization Plan
Technology: Utilize and Integrate!
Integrate Technology, Part 1

- What is your mission? Why do you exist?
- What is the Program Focus: Guiding Principles, content model or cluster, life skills
- Sketch your scenario, case study (practical):
  - What is needed
  - What works
  - What is innovative
- Consider how Technology use could be embedded in all of these
Integrate Technology, Part 2

- What are your Project logistics? Your Program structure and delivery?
  - Number of sites, distance between them
  - Assess Participant demographics
  - Assess Community technology infrastructure

- Think about & specify who will do what by when

- Define Roles:
  - State Tech Utilization Liaison
  - Community Tech Utilization Contact

- Then create the Technology Utilization Plan
CYFERnet Links To Tech Plan

- Technology Liaison Roles and responsibilities
  - http://www1.cyfernet.org/tech/plan/techcontact.html
- Guidelines for Technology Utilization Plan
  - http://www1.cyfernet.org/tech/plan/utilplan.html
Integrate Technology, Part 3

- Build it into your Logic Model
  - Identified Needs & Assets: the Situation
  - Resources Available: the Inputs
  - Activities: the Outputs (by participant)
  - Desired Results: the Outcomes

- Consider how to use Technology as a tool, resource, and strategy to make your program more effective and engaging, your staff more productive
Technology Guiding Principle

A CYFAR program has adequate information and communication technology infrastructure, and it models effective and innovative applications for professional development, educational programming, online collaboration, and scholarship.
Overview: Main Plan Components

- Infrastructure
- Program Planning & Development
- Project Management
- Outreach, Marketing & Communication
- Collaboration & Networking
- Educational Programming
- Professional Development
- Scholarship
Think Mobile

- Increasingly moving toward that device that is in your pocket
- 24/7 availability, or at least a lowering of the lines dividing work and life
- Look for mTask to replace eTask
Think Multimedia

- Simpler to use
- Less expensive
- Multi-functional
- Better batteries
- Key for engaging participants of all ages

www.theflip.com
Think Security and Privacy

- VPN (Virtual Private Network)
- Read and understand privacy and use policies
JOHNSON’S RULE OF TECHNOLOGY IMPLEMENTATION: WHAT TECHNOLOGY FIRST MAKES POSSIBLE, IT SOON MAKES IMPERATIVE.
Infrastructure

- **Hardware:**
  - Desk top & mobile
  - Individual & group use
  - Peripherals (printers, GPS, video, etc.)

- **Networking / Internet access**
  - Broadband
  - Mobile

- Technical assistance, training and support

- **Software** – for office work, communication & learning, programming and more
Program Planning & Development

- Search for program ideas and grant opportunities
- Search for evidence-based strategies, promising practices
- Brainstorming, concept mapping
- Collaborative writing
- Online community

TOOLS:
- Google Scholar
- CYFAR Reporting database
- Social bookmarking
- VUE, Dabbleboard
- Wiki, Google Docs
- Wiggio
Project / Program Management

- Plan, organize and manage resources
- Track goals
- Deal with Project scope, budget, time
- Share to-do and have-done lists
- Staff meetings

Tools:
- Basecamp
- collabtiv
- Faces
- Doodle
- Connect
- DimDim
- SKYPE
- Whiteboards
- Wiggio
Outreach, Market & Communicate

- Interact with your Community
- Participants
- Potential Partners, Funders, Supporters
- Website AND Social Media

- TOOLS
  - Your institution’s website, team, policy
  - Twitter
  - Facebook
  - Slide Show
  - Video
  - Photo Gallery
  - Blog
Doing Outreach with SM

- More about sociology than technology: it's about conversation, dialogue
- The best communication starts with good listening skills & respect
- Opening up, loss of control, dynamic
- Need to get to personal, trust,
- Participatory, constancy, creative
- Go where your audience already is
- 24/7
Collaboration & Networking

- Communication — sharing and discussion
- Develop products as team
- Find collaborators
- Store and showcase your stuff
- Version control

Tools —
- Wikis, Google docs
- Discussion Forums
- SMS, texting
- Listservs
- CYFAR professionals database
- Online communities like Wiggio
Educational Programming

- Attract, intrinsic motivation, engagement
- All ages
- Integrate into program aspects
- Learning platform to build knowledge & skills
- Literacy skills and awareness essential to 21st century life
- Methods/tools – Varied! Lots!
- Tie technology into your logic model components and show its impact on participants

- Robotics
- GIS / GPS
- Video
- Photography,
- Audio & Music
- Computer & online Games
- Computer Programming
- Exergames
- Authentic activities
Professional Development

- Learn about new research and models
- Learn about tools and measures
- Access conferences virtually
- Read reports and articles
- Exchange and build on ideas

TOOLS
- Moodle
- Connect
- University online journals & classes
- Online books (Google)
- Blogs & RSS feeds
- Online Communities
- Podcasts
- CYFERnet, eXtension, etc.
Scholarship

- Evaluation
- Research
- Teaching
- Course / program development
- Scholarly writing
- Scholarly dialogue and discussion
- Publishing

TOOLS:
- Data collection
- Writing & critique aids
- Learning objects, course management
- Blogs, forums, online communities
- Online journals, your own website, CYFERnet
JOHNSON'S FIRST SIGN OF TECHNOLOGY LITERACY: KNOWING WHEN TO USE TECHNOLOGY AND WHEN NOT TO USE TECHNOLOGY.
LET’S TRY SOME TOOLS!
Good Passwords

- Long (8 characters)
- Not something that is a common part of your life (child or pet name, birthdate, etc.)
- Mix of letters, numbers and case
- Something you can easily remember
Use our test accounts (cyfar.xxxxx)!

Google accounts

Sign in to personalize your Google experience.
Google has more to offer when you sign in to your Google Account. You can customize pages, view recommendations, and get more relevant search results.

Sign in on the right or create one for free using just an email address and password you choose.

Gmail
Get a fresh start with email that has less spam

Web History
Access and manage your web activity from any computer

iGoogle
Add news, games and more to the Google homepage

Google Checkout
A faster, safer and more convenient way to shop online

©2010 Google - Google Home - Terms of Service - Privacy Policy - Help
Enter GMAIL
Add a Contact
Send Gmail to CYFAR.xx & reply
Check Your Mail

(Find invitation to join Wiggio group)
Join Wiggio (multipurpose group work)

- Accept invitation to join the Wiggio group
- Enter Wiggio site
Post a comment to Wiggio group

Post a comment
To post a comment, enter it below or send an email or text message to this address:
cyfartestgroup@wiggio.com

Add subject to post

This comment will be posted to the board below and sent to the group mailing list.

Send me: Each post by email | Change

Heather Recipese added a new event (Tue, 4 May at 2:02p)
Event: Breakfast
When: Thursday, May 06, 2010 at 9:00am
Go to this event

Heather Recipese joined the group (Tue, 4 May at 2:00p)

Gary Gerhard added new file(s) (Tue, 4 May at 1:54p)
Pam Garza’s PD liaison outline for training
---
Trainer_-_Before,_During,_After.doc

Kim Pond added a new event (Tue, 4 May at 1:53p)
Event: MA 4-H SET Camp
When: Sunday, June 27, 2010 at 3:00pm
Go to this event
Create a Calendar Event

Add an Event
Click on any day to add an event. Click on any event to view or edit details. Events are shown in Central

Switch to agenda view

<table>
<thead>
<tr>
<th>Sunday</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010 June 27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>2010 July 1</td>
</tr>
</tbody>
</table>

Add New Members

Create an Event
Enter the event details below and choose specific participants on the left.

Event Name*: 

When: 7/18/2010 2:00 pm to 3:00 pm 7/18/2010 | All day

Place:

Description: Add a description

Remind Me: 30 minutes before this event by email

[Create] [Cancel]
Upload or create a file, add a link
Take a Poll / Create a Poll

Choose:
Make a poll or see some results:

My Polls
Choose a poll from the list to see its results in detail. The progress bar shows how many of the participants have responded so far.

Name: CYFAR 101 Meets In Minnesota
Posted by: dunha003 Dunham
Date: Mon, 19 Jul at 9:26a
Progress: 0/27 (0 %)
Edit a Document / Create a Folder

- In Folders: can upload, create or link
- Note: Versioning Control: (3)
Let’s Meet in the Chat Room

Choose:
What kind of meeting do you want to set up:

My Meetings
To create a meeting, choose one of the meeting types above.

- **hi how are you? - Tuesday, May 04, 2010 1:55p**
  Made by dunha003 Dunham (Tue, 4 May at 1:55p)
  Participants: 38 | view archive

- **Chat on Monday, May 18, 2009 1:48p - Monday, May 18, 2009 12:48p**
  Made by Vishal Singh (Mon, 18 May 2009 12:48p)
  Participants: 28 | view archive

- **Chat on Monday, May 18, 2009 1:48p - Monday, May 18, 2009 12:48p**
  Made by Vishal Singh (Mon, 18 May 2009 12:48p)
  Participants: 28 | view archive

- **This is a test conference call - Friday, May 22, 2009 1:00p - This is a test conference call**
  Made by Vishal Singh (Mon, 18 May 2009 12:47p)
  Participants: 4 | This call has ended.

- **Chat on Monday, May 11, 2009 4:38p**
  Made by dunha003 Dunham (Mon, 11 May at 2009 4:38p)
  Participants: 1 | view archive

- **Chat on Monday, May 11, 2009 4:37p**
Plan a Meeting – Doodle.com

Schedule event: Select dates (Step 2 of 4)

Select days by clicking them (click as many date options as you wish to provide).

Tip: On average, 5 options are sufficient to successfully find a common date and time.

☐ Respond to the email asking you to indicate your availability
Join CYFAR Professionals' Directory

CYFERnet
Children, Youth and Families Education and Research Network
Practical Research-based Information from the Nation's Leading Universities

Early Childhood | School Age (K-8) | Teens | Parent/Family | Community | Home
Evaluation | Technology | Online Training | Program Models | Activities

You are in: » CYFERnet Home »

The purpose of the CYFERnet Professionals' Directory is to facilitate collaboration and technical assistance among the programs and staff of CYFAR and the Cooperative Extension Service.

Children, Youth, and Families Professionals' Directory

View all records
Search the database

Instructions: How to Join CYFAR / CYFERnet Professionals Directory

Suggestion for a CYFAR / CYFERnet Tag? Affiliated with CYFAR but no .gov or .edu email address?
Email: cyf@umn.edu

About CYFERnet | Contact Us | Policies & Links | Professionals' Directory | Spanish Resources | CYFAR | 4-H

This site is hosted at NC State University
Get eXtension ID

eXtensionID Registration

Please choose a eXtensionID that is based on your real name or eXtension context that you create. We recommend using an eXtensionID that is unique to you.

Fields marked with an asterisk (*) are required

First Name: *

Last Name: *

eXtensionID *

Must begin with a letter and can contain only letters and _

Email Address: *

TruDunham

Using an edu or gov email address if you have one will simplify your verification process.

Password *

Minimum six characters

Confirm Password *

Preferred Phone Number:

Title:

Location

Location:

Your Institution/Affiliation

select a location to show institutions for that location

Position

- Administrative assistant
- Faculty
- Administrator
- Information technologist
- Area or regional educator
- Master gardener
- Communicator
- Professional/staff
  development
- County agent/educator
- Program assistant

Announcements

- Subscribe me to the eXtension.org "announcements" mailing list

Submit Registration
Create Your Profile

- Add the CYFAR Interest tags!
- Remember spelling is vitally important!
- Make it public

Your Interests and Expertise

Tag yourself. Choose a few words that describe you, your interests, and areas of expertise. Your colleagues can search and find you based on these tags.

For example: "maize, corn, crops, beans, peppers, biodiversity, agriculture"

Separate your interests and expertise with commas.

Popular interests from colleagues in the same position:
- management(199) environment(100) leadership(97) nutrition(93) youth(88) health(75) horticulture(73) food(60) energy(59) development(57)

Popular interests from all colleagues:
- leadership(366) youth(743) nutrition(673) 4-h(665) horticulture(576) management(568) professional development(474) health(467) development(369) information technology(336)

Save or Cancel
Set Your Public Profile Settings

- Click on the “Show Publicly” boxes for what you want to share
- Don’t forget to share your social media ID’s

Your eXtension Public Profile

Your Personal Profile is viewable by anyone logging into your information more accessible, you may choose Profile that is viewable by anyone.

View your Public Profile

Personal Information and Interests

<table>
<thead>
<tr>
<th>Show Publicly</th>
<th>Profile Item</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Email Address</td>
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<tr>
<td></td>
<td>Phone Number</td>
</tr>
<tr>
<td></td>
<td>Title</td>
</tr>
<tr>
<td></td>
<td>Position</td>
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<tr>
<td></td>
<td>Institution</td>
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<td></td>
<td>Location</td>
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<td></td>
<td>County</td>
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<tr>
<td></td>
<td>Interests</td>
</tr>
</tbody>
</table>
## Children, Youth, and Families Professionals' Directory

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aaron, Leigh Arne</td>
<td>University Of Georgia</td>
<td>County Extension Agent – CYFAR</td>
</tr>
<tr>
<td>Barnett, Cynthia</td>
<td></td>
<td>4-H Youth Development Advisor</td>
</tr>
<tr>
<td>Beyer, Janet</td>
<td>University Of Minnesota</td>
<td>Retired Program Leader – Youth Development</td>
</tr>
<tr>
<td>Black, Lynette</td>
<td>Oregon State University</td>
<td>4-H Youth Development Faculty</td>
</tr>
<tr>
<td>Brandon, Denise</td>
<td>University Of Tennessee</td>
<td>Professor And Extension Specialist</td>
</tr>
<tr>
<td>Butzine, Sarah</td>
<td>Washington State University</td>
<td>Youth Development Faculty</td>
</tr>
<tr>
<td>Carpenter, Evan</td>
<td></td>
<td>Extension Associate</td>
</tr>
<tr>
<td>Carroll, Jan</td>
<td>Colorado State University</td>
<td>CSU Extension</td>
</tr>
<tr>
<td>Dansby, Montrek a</td>
<td>North Carolina A &amp; T State University</td>
<td>Food And Nutrition Specialist</td>
</tr>
</tbody>
</table>
VoiceThread

With VoiceThread, group conversations are collected and shared in one place from anywhere in the world. All with no software to install.

A VoiceThread is a collaborative, multimedia slide show that holds images, documents, and videos and allows people to navigate pages and leave comments in 5 ways - using voice (with a mic or telephone), text, audio file, or video (via a webcam). Share a VoiceThread with friends, students, and colleagues for them to record comments too.

Users can doodle while commenting, use multiple identities, and pick which comments are shown through moderation. VoiceThreads can even be embedded to show and receive comments on other websites and exported to MP3 players or DVDs to play as archival movies.
Voicethread

- check email for link
- Click on link
- Register
- Say ‘later’
Comment: write a caption for the photo

Media options include video, chat, phone, etc.

Use the text chat
In Summary, Technology

- Tech will evolve
- Profoundly affects the way we work
- A means for empowering people
- Think differently about how we work
- Be productive in ways that facilitate our survival, more effective work
- What works for you -- no one right way to do it
- Don’t allow tech & change to stress you
- Tech is your tool – you’re not its tool!
- Use the participatory nature of media to share the burden
JOHNSON’S RULE OF RESTRUCTURING EDUCATION WITH TECHNOLOGY: MACHINES ARE THE EASY PART; PEOPLE ARE THE HARD PART.
QUESTIONS? Email cyf@umn.edu
HTTP://WWW1.CYFERNET.ORG/TECH/CYFAR101-2.PPT

CYF@UMN.EDU