

Hidden Gems of Technology Presentation

Resource and
Reference
Materials



NCBC 2016

Hidden Gems of Technology Sections:

EMERALD - Technology and Communication – Benefits and pitfalls

RUBY- Browsers – things you might not know

DIAMOND - Tips - How to for using Search Engines

BLUE TOPAZ - Smart phones and tables

AMETHYST - Desktop and lap top applications

SAPPHIRE - Accessing devices and their security

Video clips used during the session are marked with a 

Session videos are in separate cloud folders.

Technology and Innovation

Where do we see Technology and innovation?

Home -Internet and social media, fitness tracking, smart home technology

Work-(robots, communication methods like instant messaging, telework, 3d printing

Transportation - e-tickets, self-driving autos, drones, inflight entertainment, cars, trains, airplanes

Restaurants- Ipad POS, touch screens, wifi access, media access, find, reservation, reviews

Traveling - booking, self-service, Airbnb and alternative booking sites such as travel search engines

Why use new innovations and technologies?

Becoming more efficient, save time, save money, entertainment, Increase flexibility and customization for individual users, Improve Communication, Ensure compliance with rules and regulations, Continue process improvement, Look to automate a process using technology, External benefits, Reduce Errors, Save Time Energy Resources, Paper to paperless office

[Technology and Innovation timeline](#)



EMERALD - Technology and Communication – Benefits and pitfalls

Technology has both positive and negative impacts and impacts every aspect of living. It has made life easier but has had impacts on quality of life too.

Images and videos everywhere

Instant access to information

Distracted Driving - Multi-tasking - Texting and driving

Private information shared in public places - Over hear conversations

Technology effects on Communication

Modern Family Video Clip



Clip Reference: <https://www.youtube.com/watch?v=wfHTSFwz4No>

The Making of the Modern Family Video Reference: <http://www.theverge.com/2015/2/17/8050553/modern-family-apple-mac-episode-connection-lost> & <https://www.youtube.com/watch?v=5a702k3gU6A>

Resources for Technology and Communication -

<http://www.urbandictionary.com/>

[Net lingo.com](http://www.netlingo.com)



RUBY Using a Browser

Web browsers are software applications that enable you to browse the internet and access websites. Desktop and app browsers translate HTML and allow you to read text, view images and play videos online.

Most Popular:

Firefox , Chrome, Safari, Edge

Browsers should be:

- Secure - Security features such as privacy settings, pop-up blockers and anti-spyware enable safe internet surfing and help keep your personal information secure.
- Speed - Web browsers should load quickly and be compatible with every major operating system
- Compatible - A web browser should provide practical, convenient features that make surfing the web easy and fast.

Optimizing Browser Tabs windows Video Clip



Browser Zoom: [Learntozoom.com](http://learntozoom.com)

Cache is a temporary storage location on your computer for files downloaded by your browser to display websites. Helps with fast loads of back and previous and reduces bandwidth usage and allows the page to load faster

Cookies are stored browser files used to identify users. Such as Store shopping cart information or auto-fill web forms.

Private browsing in Browsers- Does not store cookies and cache and reduces some of your digital footprint

Browser cache, cookies privacy and navigation Video Clip



References for browsers: <http://www.digitaltrends.com/computing/best-browser-internet-explorer-vs-chrome-vs-firefox-vs-safari-vs-edge/>

<https://globtechno.wordpress.com/2016/07/30/best-web-browsers-features-in-2016-with-chrome-vs-firefox/>

https://search.yahoo.com/yhs/search;_ylt=AwrTceOdZKJXj84Abf0nnlIQ;_ylc=X1MDMTM1MTE5NTY4NwRfcgMyBGZyA3locy1tb3ppbGxhLTAwNARncHJpZANqNTRvdGpWZFNiTzhWUWFOREFWR3pBBG5fcnNsdAMwBG5fc3VnZwMyBG9yaWdpbgNzZWYyY2gueWFob28uY29tBHBvcwMwBHBxc3RyAwRwcXN0cmwDBHFzdHJsAzM3BHf1ZXJ5A3dlYiUyMGJyb3dzZXIlMjAyMDE2JTNTBJTlwY2hyb21lJTlwdnMEdF9zdG1wAzE0NzAyNjA0NTk-?p=web+browser+2016%3A+chrome+vs&fr2=sb-top-search&hspart=mozilla&hsimp=yhs-004



DIAMOND - Search Engines

Popular Engines- Google, Yahoo, Bing, Ask

Easy search video (Google)



25 Google Tips for better search Video



Video sources:

<https://www.youtube.com/watch?v=olMTM168BK8>

<https://www.youtube.com/watch?v=rfGzBGDKOM8>

References for search engines:

<http://motto.time.com/4116259/google-search/>

<http://blog.hubspot.com/blog/tabid/6307/bid/1264/12-Quick-Tips-To-Search-Google-Like-An-Expert.aspx#sm.00000jjplmc92bfc6pctaw7ztfi4>



BLUE TOPAZ - Smart phones and Tablets

General Phone and Tablet functions

Why use wifi or Airplane mode?

Keyboard input. Keyboard, Voice to text-Dictation, stylus-Pen stylus

Dictation Commands reference: <http://www.howtogeek.com/177387/use-voice-dictation-to-save-time-on-android-iphone-and-ipad/>

Brenda's phone Video Clip



Camera

Things to remember when taking a picture:

- Use your feet
- Crop don't zoom
- Retain quality of the image
- Zoom may result in less focused, lower quality image
- Rule of Thirds (more balanced image)
- Points of interest in the intersection or along the lines
- Rather than center the image
- You can turn on/off the grid
- Clean your lens
- Editing software
- Color adjustment, sharpening, exposure, cropping
- Add sticker or caption
- Blur or texture affects
- Steady the camera, Hold your breath, Arms in, Use a tripod
- Light Turn off the flash

Brenda's Camera Video Clip



Other Camera references:

<https://www.youtube.com/watch?v=OZRfgM-6Bs>



Phone and Tablet APPS

Downloading Apps - Require login/password for both free and fee apps.

Key considerations before Downloading:

1. how they're paid for
2. what information they may gather from your device

<https://www.consumer.ftc.gov/articles/0018-understanding-mobile-apps>

Audience Favorite Apps from both sessions: (Thank you!)

Remember to check your iTunes or Google Play store for these!

APP Name	What is it?
IMDB	Who is that Actor?
Snapchat	Send messages, videos and pictures, which will self-destruct after a few seconds
Waze	Community-based traffic and navigation app
Nearlock	Use your iPhone to lock and unlock your Mac automatically
Credit Tracker	For Experian Credit Tracker members
Spotify	Digital music service
Urban Biker	Bike computer app
KeePass	Password manager
Starbucks	Pay for purchases, collect Stars and earn rewards
Pandora	Personalized Internet radio
Map My Run	Fitness tracking application that enables you to use the built-in GPS of your mobile device to track all of your fitness activities
Pinterest	Catalog of ideas
Duolingo	Learn foreign languages
Tinder	Meet people
Wodify	Software for performance tracking
Gasbuddy	Find the cheapest gas prices near you
Mouse hunt	Game
Nextdoor	Private social network for your neighborhood community
AtBat	Source for live baseball information (MLB)
Shazam	Instantly identify music that's playing
Twitter	See what's happening in the world right now
Bible Gateway	Bible reading and study
Mindfulnessapps	Meditation

Yelp	Search for businesses and ratings near you
JB Messaging	Free communication
The Poetry App	Great poetry read aloud by great actors
Words with Friends	Mobile Word Game
Evernote	Note taking, organizing, and archiving
Kindle	Reading App
B of America Check Deposit	Easily deposit checks using your smartphone
Accuweather	Stay connected to the latest weather conditions
Google Maps	Real-time GPS navigation, traffic, transit, and details

Session Highlighted APPS

Transportation – Uber, LYFT

Travel - Hopper (Apple and Android) (4 stars) , Get the flight Out (GTFO) (Apple and Android) (4 stars), Hipmunk (Apple and Android) (4 1/2 stars)

Travel Resources: <http://www.outsideonline.com/2082076/7-super-useful-apps-last-minute-trips>

Free Picture Editing App - Cymera

Adult Color Books - Recolor, Mandala

Augmented reality Apps – Pokemon go, Wayfair View, Google Cardboard – VR

If This Then That (IFTTT) with Do Button



AMETHYST - Desktop and lap top Applications

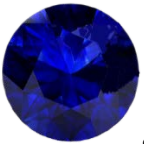
Phone/tablet working together with your computer- Remember to synchronize common files for your devices for consistency

Desk Top Applications

Photo Video Editing - Paint.NET (Free – (Windows), GIMP (Free - Cross platform Image editor)


File storage and Sharing (PC's and mobile phones) - DropBox (Cloud storage/file share and hosting), Google Drive (Cloud storage/file share and hosting)

Video CHAT - Skype – Video, group voice calling (cross-platform), Facetime (Mac to Mac only) Video calling



SAPPHIRE - Accessing devices and their security

Using public WiFi and Device Security

Wifi Video Clip 

<http://www.cnet.com/how-to/tips-to-stay-safe-on-public-wi-fi/>

Password Management - <https://twofactorauth.org/>


Password safes or vaults are available and provide a secure, encrypted way to keep track of logins and passwords. A single safe combination unlocks them all

Last Pass <https://lastpass.com> (Free browser-based manager) (will not directly work on nonweb based programs like lotus notes and CHAP client. But you can create a note about the password) stores encrypted data in the cloud... Clouds are hackable

[Keepasswww.Keepass.info](http://www.Keepass.info) Encrypted data stored locally on the memory of the phone system not a sim card. (Destroyed or lost phones) Passwords are in folders customized. (AO Condoned)(Free)

Password Safe: <https://pwsafe.org/> . (AO Condoned)(Free)

Regex Password Vault <http://www.pvault.com> . (AO Condoned)(Free limited trial version)

Lost phone/device clip 

<http://www.digitaltrends.com/mobile/how-to-track-a-cell-phone/>

Future Technology

Technology prediction sites:

http://www.nbcnews.com/id/43015182/ns/technology_and_science-innovation/t/reasons-will-be-awesome-year/#.V072lfkrJph

<http://highexistence.com/10-ways-the-next-10-years-are-going-to-be-mind-blowing/>

<http://www.futureforall.org/future-technology-predictions.html>

Final Future Video clip

