



# Digital Literacy – What's Ahead?

Digital Literacy – Class 5

# Class schedule

Class	Theme
10/27	Introduction Literacy in the 21 <sup>st</sup> century
11/3	Critical reading in the digital age
11/10	Guest speaker – Tracy O'Connell Novick
11/17	Historical Preservation or "My Great American Novel is on a 5 ¼" floppy."
12/1	<b>What's ahead?</b>

Readings and presentations are available at  
<http://queenlake.com/wise/wise-fall-2017/digital-literacy/> .

Windows Store Products Support

support.Windows.com says: x

0 Toll Free : (866) 284-2216

**ERROR #**

Call for support:  
(866) 284-2216

❑ Manage my account

**\*\* Windows Warning Alert \*\***  
Malicious Pornographic Spyware/Riskware Detected

Error #

Please call us immediately at: (866) 284-2216  
Do not ignore this critical alert.  
If you close this page, your computer access will be disabled to prevent further damage to our network.  
Your computer has alerted us that it has been infected with a Pornographic Spyware and riskware. The following information is being stolen...

- > Financial Data
- > Facebook Logins
- > Credit Card Details
- > Email Account Logins
- > Photos stored on this computer

You must contact us immediately so that our expert engineers can walk you through the removal process over the phone to protect your identity. Please call us within the next 5 minutes to prevent your computer from being disabled or from any information loss.

Toll Free: (866) 284-2216

☐ Prevent this page from creating additional dialogues.

OK

Call for support:  
(866) 284-2216

❑ Find downloads

I need help with...

A funny thing happened while I was preparing for this class.



# WISE

## Study Group

Monday, December 4, 11:30 AM to 1:00 PM

Bring your laptops, tablets, smartphones, and questions.  
Most importantly, bring your passwords for email, app store, and specific apps.



In the news





## Communicators on Worcester panel urge critical eye on media in age of 'fake news'

## RSNA Press Release

### Smartphone Addiction Creates Imbalance in Brain

Released: November 30, 2017

CHICAGO – Researchers have found an imbalance in the brain chemistry of young people addicted to smartphones and the internet, according to a study presented today at the annual meeting of the Radiological Society of North America (RSNA).

According to a recent Pew Research Center study, 46 percent of Americans say they could not live without their smartphones. While this sentiment is clearly hyperbole, more and more people are becoming increasingly dependent on smartphones and other portable electronic devices for news, information, games, and even the occasional phone call.



*Hyung Suk Seo, M.D.*


#### At A Glance

- Smartphone and internet addiction increases the levels of a neurotransmitter called GABA in one region of the brain.
- GABA is an “inhibitory” neurotransmitter that regulates various brain functions, including anxiety.
- GABA ratios significantly correlated to clinical scales of internet and smartphone addictions, depression and anxiety.

## Internet addiction and brain changes in teenagers

PubMed Central, Table 5: J Med Internet Res. 2017 Apr; 19(4): e125. Published online 2017 Apr 19. doi: 10.2196/jmir.5604 ...

Secure | <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5415654/table/table5/>



**Journal of Medical Internet Research**  
 The leading peer-reviewed journal for health and healthcare in the Internet age  
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PMC full text: [J Med Internet Res. 2017 Apr; 19\(4\): e125.](#)  
 Published online 2017 Apr 19. doi: [10.2196/jmir.5604](#)  
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**Table 5**

Statistically significant odds ratios derived using multivariate logistic regression when applied to the entire dataset for predicting mobile device adoption only.

Variable	Odds ratio (95% CI)	P value
Age (45-64 years)	0.35 (0.28-0.45)	<.001
Age (65+ years)	0.09 (0.07-0.12)	<.001
Education (college graduate or higher)	3.30 (2.65-4.11)	<.001
Education (less than high school)	0.51 (0.37-0.70)	<.001
Education (some college)	1.87 (1.50-2.32)	<.001

Older people are less likely to use smartphone apps to monitor and/or improve their health

Carroll, Jennifer K et al. "[Who Uses Mobile Phone Health Apps and Does Use Matter? A Secondary Data Analytics Approach.](#)" Ed. Gunther Eysenbach. Journal of Medical Internet Research 19.4 (2017): e125. PMC. Web. 1 Dec. 2017.





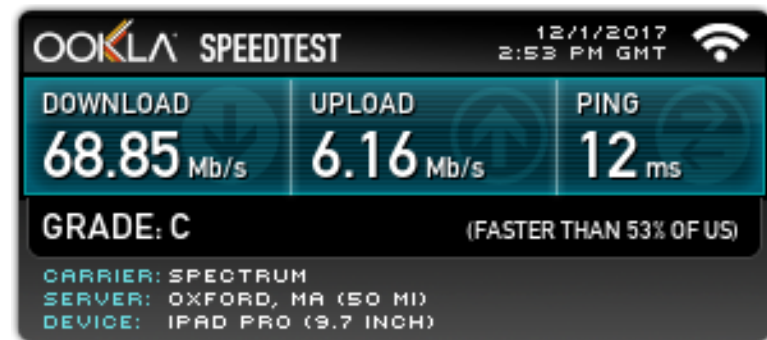
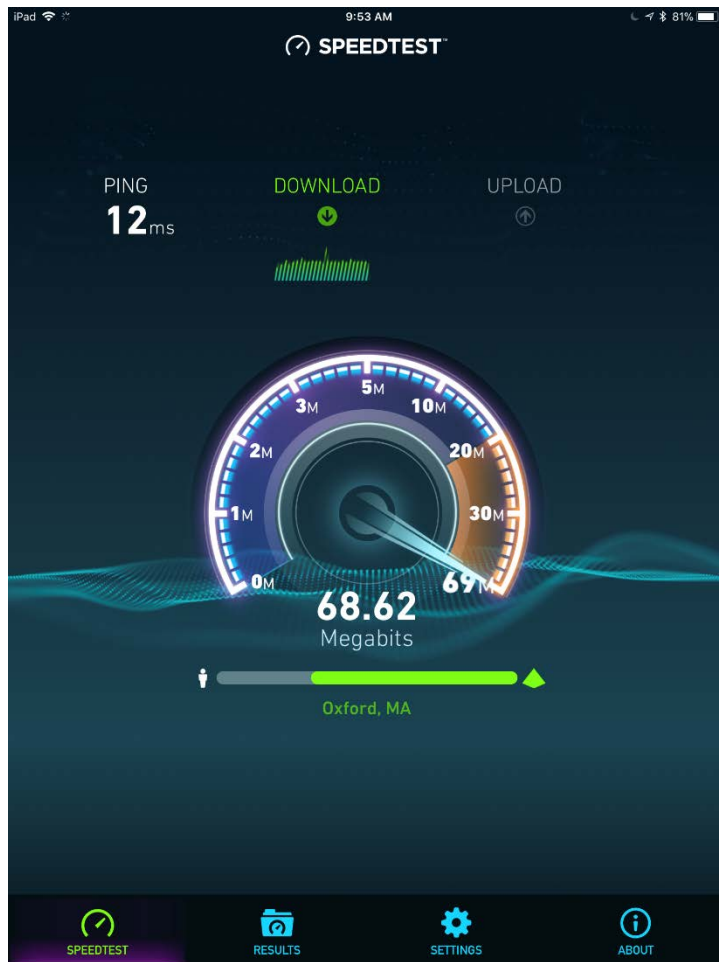
## How 'Photo Detectives' Have Helped Reveal Irish History

Shown: 2 Bridge Street, Waterford

Photos from [National Library of Ireland's Photographic Archive](#)



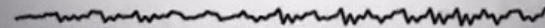
So, what did you learn over the holiday?



Testing the speed of your Internet connection



WHAT GIVES YOU HOPE  
IN PRISON?



**EAR  
HUSTLE**  
PBS  
NEWS  
HOUR  
pbs.org/newshour

00:29 08:31 CC

Prison-produced podcast 'Ear Hustle' lets you listen to real stories of incarcerated life



Cities Tour  
Worcester



**MOLLY O'HAGAN HARDY**  
American Antiquarian Society  
Digital Humanities Curator

**BOOK TV**  
C-SPAN2

## American Antiquarian Society, Digital Humanities

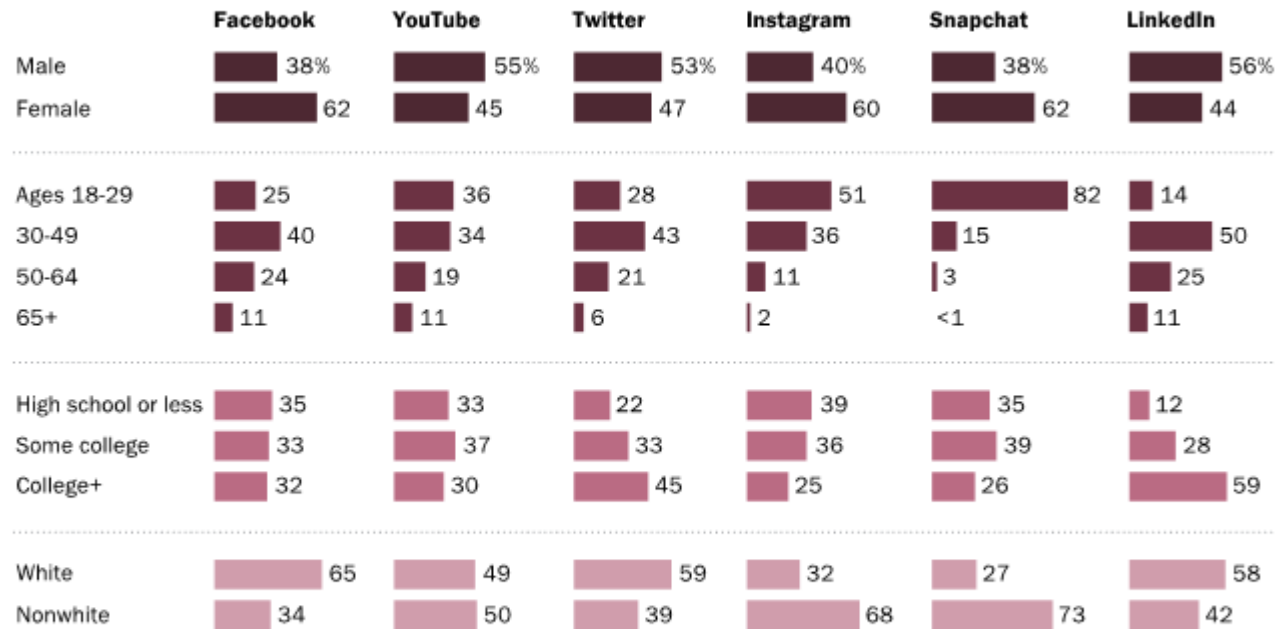




Just-in-time learning with YouTube

## Social media news user profiles

% of each social media site's news users who are ...



Note: Tumblr, Reddit, and WhatsApp not shown. Nonwhite includes all racial and ethnic groups, except non-Hispanic white.

Source: Survey conducted Aug. 8-21, 2017.

"News Use Across Social Media Platforms 2017"

PEW RESEARCH CENTER

## More Americans now get news on multiple social media sites

Pew Research Center – Journalism and Media, September 7, 2017

# Sheriff: Smart Device Makes Domestic Violence Call

New Mexico authorities say they were alerted to a potentially deadly domestic violence situation thanks to voice-activated smart technology.

July 10, 2017, at 6:04 p.m.



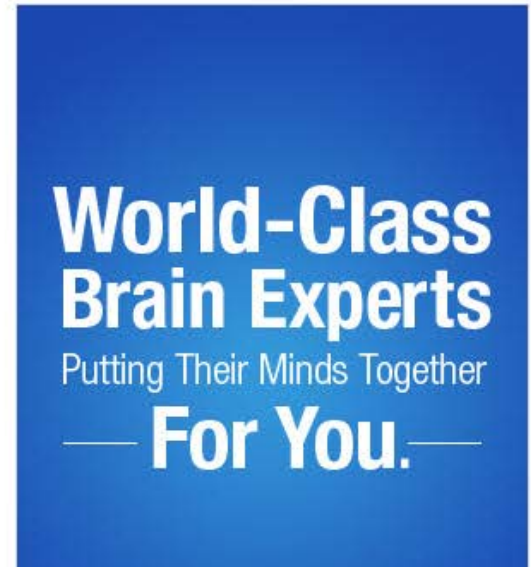
**AP**

TIJERAS, N.M. (AP) — New Mexico authorities say they were alerted to a potentially deadly domestic violence situation thanks to voice-activated smart technology.

The Bernalillo County Sheriff's Office detailed the case Monday, saying a woman had been threatened and hit in the face with a handgun.

Deputies believe a voice-activated smart device triggered a 911 call after the suspect asked the woman if she had called the sheriff.

Sheriff's spokeswoman Deputy Felicia Romero said the woman can be heard saying in the 911 recording: "Alexa, call 911." But Romero acknowledged that she's not sure what device might have been used.



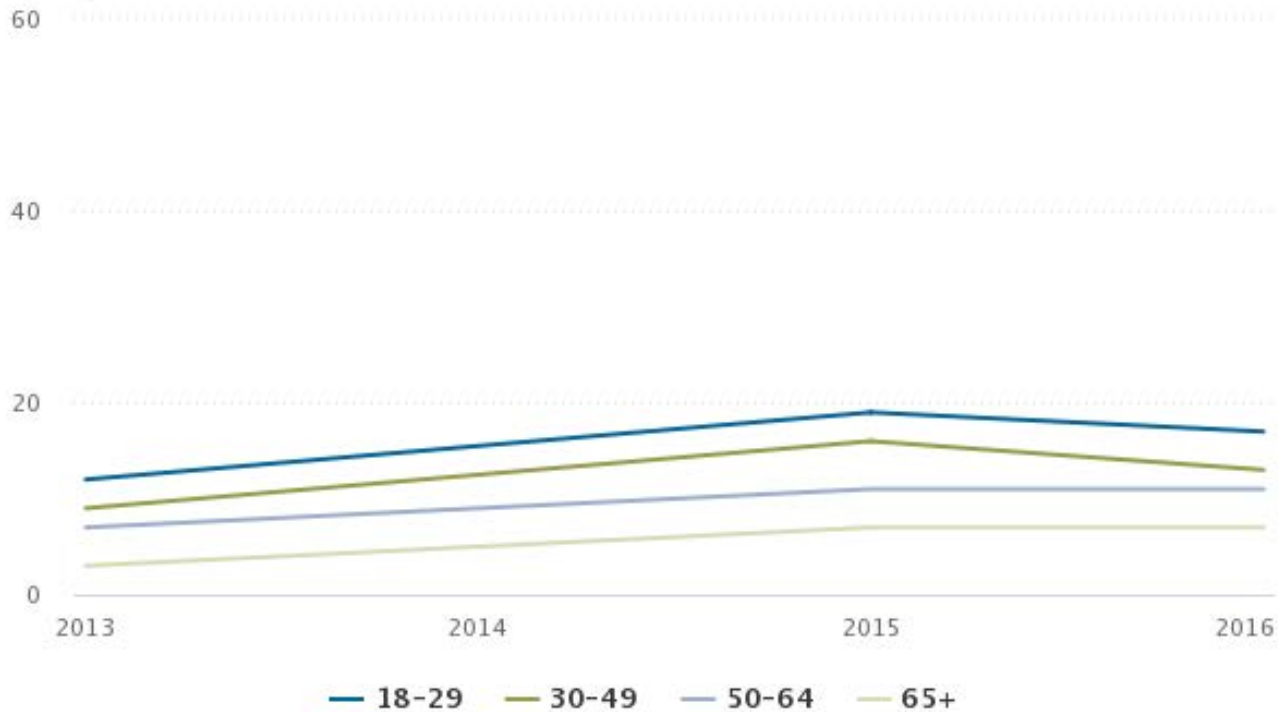
True, but not as described

[Use Emergency SOS on your iPhone](#)



Describe a time when you believed something that turned out not to be true.

*% of U.S. adults who do not use broadband at home but own smartphones, by age*



Source: Surveys conducted 2013-2016. Data for each year based on a pooled analysis of all surveys containing broadband and smartphone questions fielded during that year.

PEW RESEARCH CENTER

## Pew Research Center: Mobile Fact Sheet

Young, poor, and/or rural are more likely to have smartphones as their only Internet device.



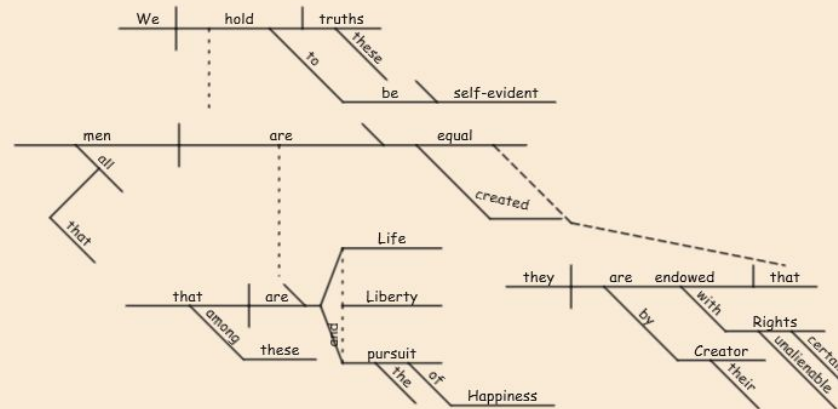
# Howard Rheingold's Five Literacies

- Attention: How much time and energy are you giving to your screens
- Crap detection: How to evaluate a source and making a educated guess about its origins and if it's trustworthy.
- Participation: This is all about knowing how to leverage collective intelligence.
- Social know-how: Closely related to participation are virtual communities and crowdsourcing as other ways to leverage collective intelligence.
- Networks: The ability to grasp how networks work as the final literacy.

# The durability of information

- Each successive medium holds more, costs less, and fails faster.
- Each successive medium can and must be replicated in order to preserve the contents.





We hold these truths to be self-evident, that all men are created equal, that they are endowed by their Creator with certain unalienable Rights, that among these are Life, Liberty and the pursuit of Happiness.

## The Rise and Fall of the English Sentence

Could syntactic complexity in literate languages diminish over time, if new technologies (podcasts, video lectures, and audiobooks) tether language more tightly to speech and its inherent limitations?

# Feeling at ease with technology

The art of pure line engraving is dying out. **We live at too fast a rate** to allow for the preparation of such plates as our fathers appreciated. If a picture catches the public fancy, the public must have an etched or a photographed copy of it within a month or two... (Journal of the Institute of Jamaica Volume 1, 1892)

- It's not easy because it changes so fast.
  - Yep.
  - You'll have to discard some of what you've learned.
  - Some of the stuff seems to have no use at all.
- We feel that some or all parts are too complex for us to understand.
  - Be on the lookout for things that are fun
  - Ask friends and family members what they're using.
- Many things aren't relevant to our lives now.
  - And may never be.
  - They may be important to others and, therefore, become important to us.
- This is why we practice lifelong learning.

