ENGAGING ADULT LEARNERS THROUGH TECHNOLOGY

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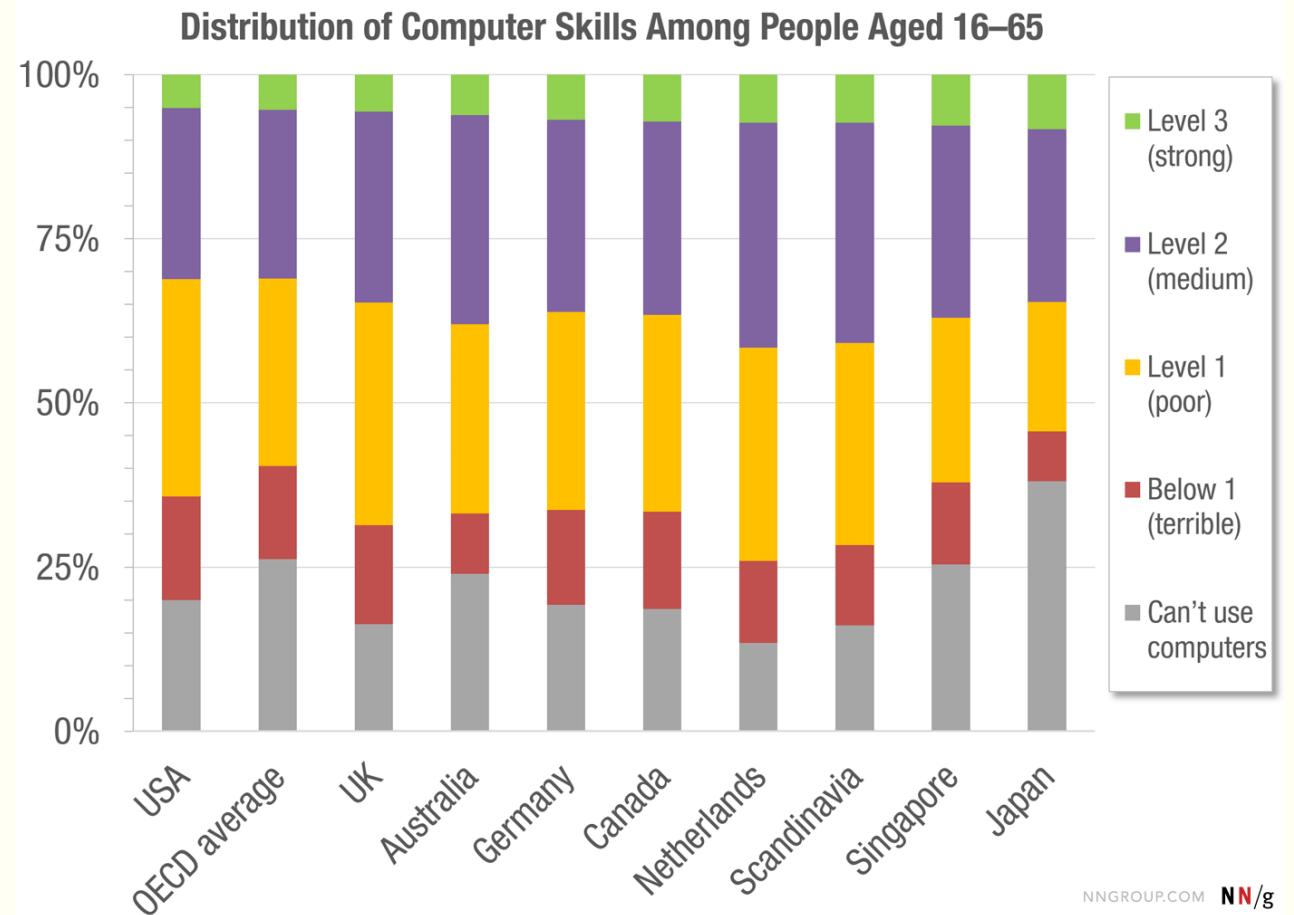
Questions to start:

- What technologies do you personally use?

- What technologies, if any, are you using with your student(s)?

- What are your apprehensions with technology?

- Do you know what technologies are available in the LVCA office?

- What are you hoping to take away from this session?

Why incorporate technology?

- Increases student engagement and motivation

- Offers mobility

- Teaches students valuable skills

- Promotes student independence

Adults, Computers and Problem Solving

- [2015 Report from Organisation for Economic Co-operation and Development (OECD)](#)
  - Almost a quarter (24.3%) of the people in the study don't know how to use a computer.
  - Almost another 10% (9.6%) refused to take the computer test at all, preferring to take the paper-based assessment.
  - Almost 5% (4.7%) of adults failed the basic test, which included using a mouse or scrolling through a web page.

Distribution of Computer Skills Among People Aged 16–65

Legend:
- Level 3 (strong)
- Level 2 (medium)
- Level 1 (poor)
- Below 1 (terrible)
- Can't use computers

Countries: USA, OECD average, UK, Australia, Germany, Canada, Netherlands, Scandinavia, Singapore, Japan

ADULTS, COMPUTERS AND PROBLEM SOLVING WHAT'S THE PROBLEM?
Results from the Survey of Adult Skills

Only **1 in 3** adults demonstrated a high level of proficiency in solving problems using digital devices (Level 2 or 3) across participating OECD countries. At those levels, adults can transform information in an e-mail message into a spreadsheet and evaluate search-engine results against a set of criteria, among other complex tasks.

More than **1 in 5** adults in Italy (27%), Korea (25%), Poland (26%), the Slovak Republic (24%) and Spain (23%) reported having no experience in using digital devices or failed the most basic test of digital skills, involving typing, clicking a mouse, dragging and dropping content, and highlighting text.

More than **1 in 2** 55-65 year-olds in Korea (64%), Poland (51%) and the Slovak Republic (53%) either reported having no experience in using digital devices or failed the most basic test of digital skills, involving typing, clicking a mouse, dragging and dropping content, and highlighting text.

Having good **literacy** skills is strongly linked with high proficiency in solving problems using **digital devices.**

Labour force participation rates among adults who reported having no experience in using digital devices are **15 percentage points lower,** and their **wages are 6% lower,** compared to adults who had basic problem-solving skills using digital devices.
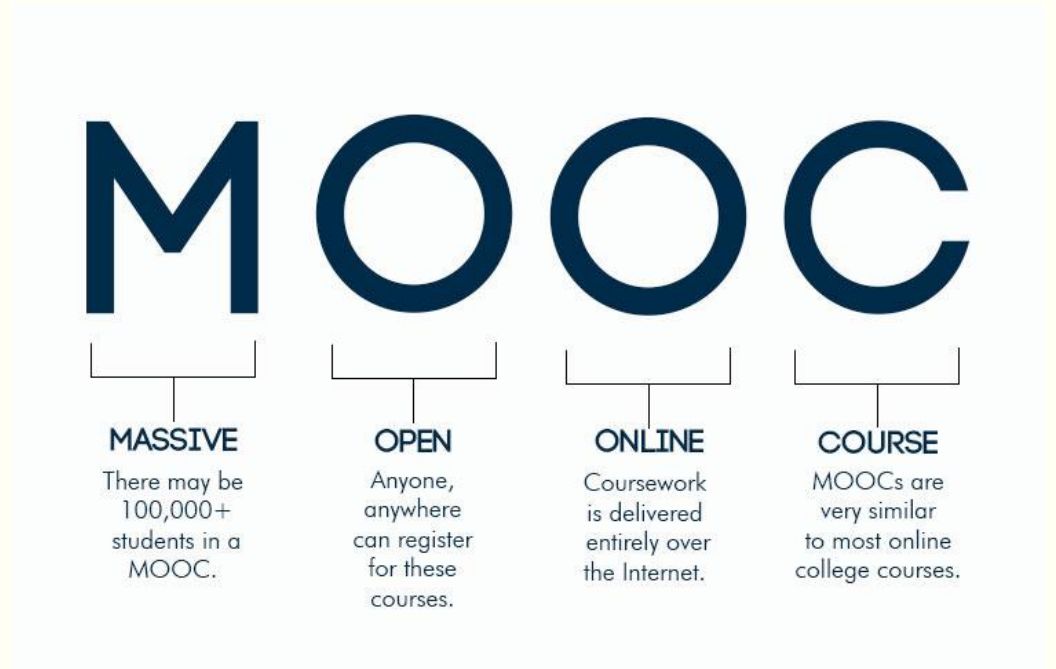
-15 pp   +6%

pp = percentage point

+9%

Workers who **use digital applications,** such as e-mail, **frequently** in their jobs **earn 9% more** per hour, on average, than workers who are equally proficient in literacy, numeracy and problem solving, have attained similar levels of education and work in similar jobs, but who rarely use them.

DIRECTORATE FOR EDUCATION AND SKILLS ((•)) OECD

Basic Activities – Computers

- [Basic Computer Skills Curriculum](#)

- [Basic Computer Skills MOOC](#)

- Word Processing

- Typing

- Web Browsers

- E-mail – Gmail, Yahoo, Hotmail

MOOC

MASSIVE
There may be 100,000+ students in a MOOC.

OPEN
Anyone, anywhere can register for these courses.

ONLINE
Coursework is delivered entirely over the Internet.

COURSE
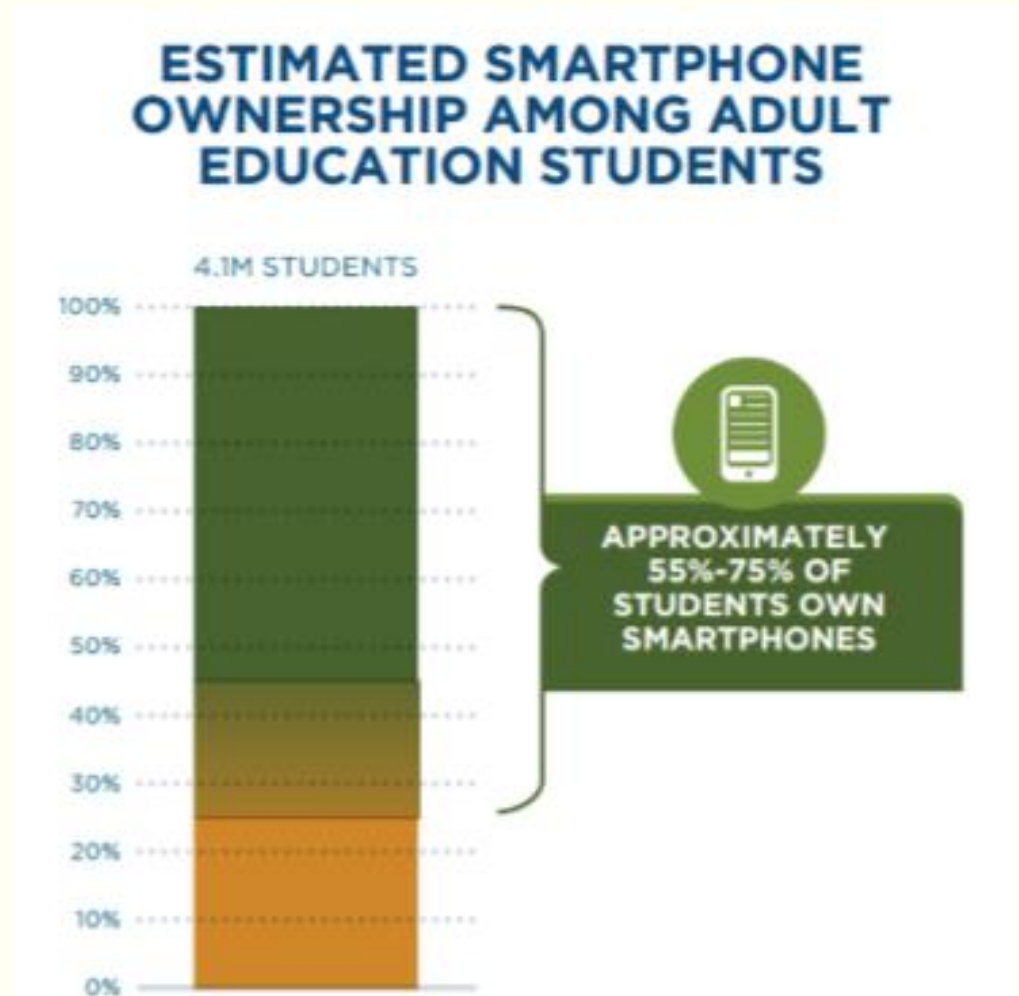MOOCs are very similar to most online college courses.

Basic Activities – Mobile Phones

- Look up words using an online dictionary

- Use speech-to-text feature on smartphones

- Record speech for playback - Voice Memos (iPhone) or Audio Recorder (Android)

- Texting to communicate outside of sessions

- Use camera on your phone to take pictures of things to show or discuss with your student, encourage them to do the same
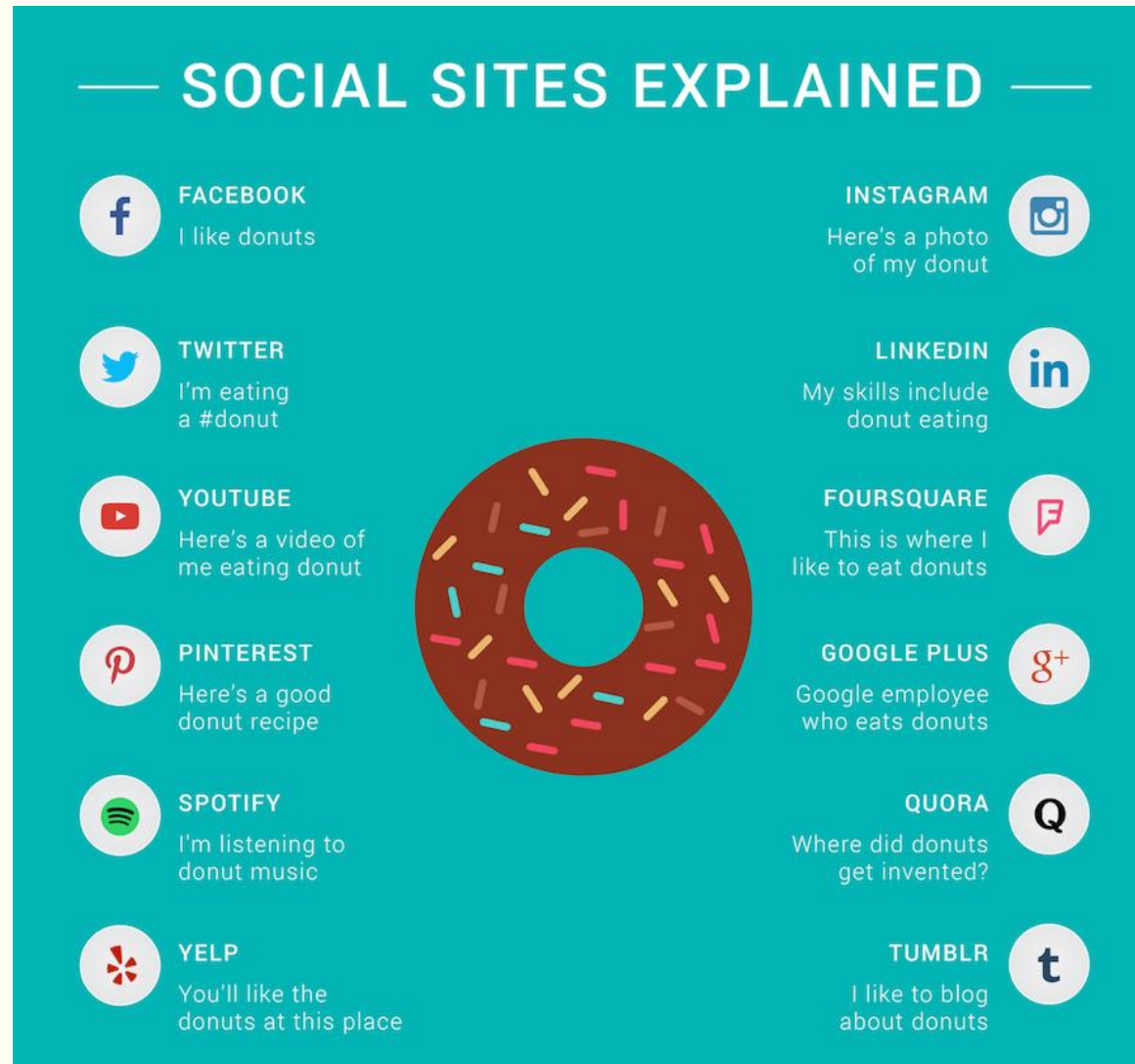
Mobile Apps

- **English Learning**
  - Duolingo
  - ESL Daily English

- **Flash Cards**
  - Tiny Cards by Duolingo
  - Quizlet

- **Grammar Up**

- **US Citizenship Test - USCIS**

- **Best Apps for ESL Learners**

- **101 HR Interview Questions**

ESTIMATED SMARTPHONE OWNERSHIP AMONG ADULT EDUCATION STUDENTS

4.1M STUDENTS

APPROXIMATELY 55%-75% OF STUDENTS OWN SMARTPHONES

Learning for life: the opportunity for technology to transform adult education. Part 1: interest in and aptitude for technology

Social Media

Websites

- Search Engines

- Kahn Academy

- Wikipedia

- Current Events
  - News for You
  - Voices of America
  - Newslea
  - News in Levels
  - Breaking News English

- Craigslist

Websites cont.

- Monster

- Free Typing Game

- YouTube

- Dave's ESL Cafe

- Jefferson-Madison Regional Library

- C-Ville Calendar

- Literacy Volunteers

Virtual Fieldtrips

- Google Earth

- Google Street View

- Museums
  - Smithsonian
  - The Louvre
  - Sistine Chapel

- Discovery Education

- Live Webcams

Podcasts

- Learning English Podcasts
  - BBC Learning English
  - Voices of America
- TED Talks
- The Moth Radio Hour
- This American Life

"Due to recent technological advances, everything I taught you about computers is no longer valid."