



Module Title – Digital Skills and Research Methods

Module Code - LCHS4002

Assignment Title – Are digital skills important for study and work

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INTRODUCTION

- Digital skills are being able to use devices like a computer, tablet or mobile phone..
- The power of a productive digital skill involve in using programs like Microsoft PowerPoint and Microsoft word.
- “The role of digital technology has changed efficaciously in our lives since 1990 by the way of how we understand and study digital skills” (Allmaan and Blank 2021)
- “Using digital technologies in this world today is no longer optional but a must in our every day-to-day life” (Allmaan and Blank 2021)

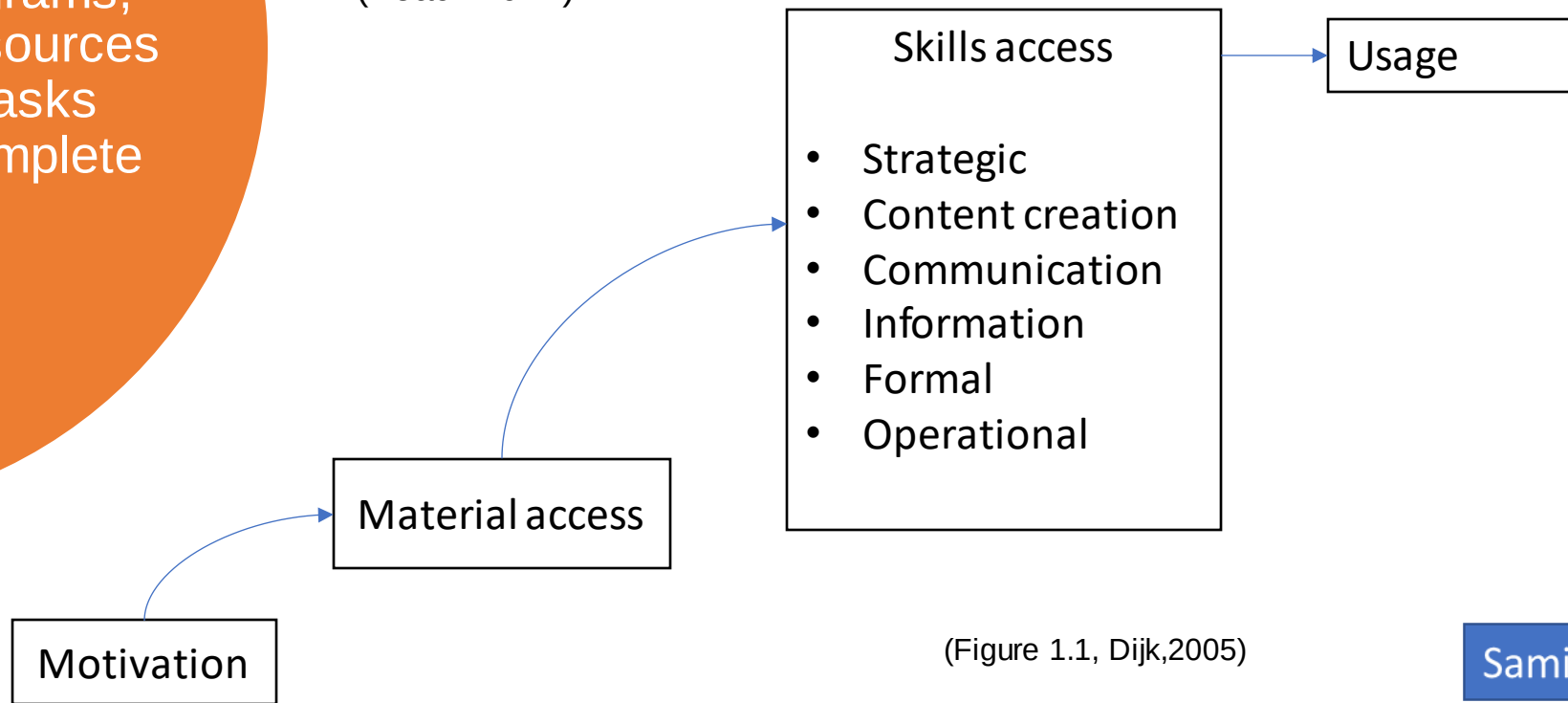


What are digital tools?

Digital tools are programs, websites or online resources that help to make tasks straightforward to complete

- The usage of digital tools in adolescence is an average usage of 7 hours and 38 mins a day or more than 53 hours a week.
- Mainly used for hypersocial interaction with peers
- Social network profiles
- Engagement in gaming
- Online media use and production

(Beach 2012)



(Figure 1.1, Dijk,2005)

RESEARCH QUESTION



The research question for this research is below;



Which digital skill do UWTSD students think is most important ?



The aim of study is to find out what students at UWTSD think about using digital skills and how important it is.



LITERATURE REVIEW

Microsoft PowerPoint is a slideshow presentation program.

It is part of the Microsoft office package.

Presentation software is the easiest way to create slides for both personal and professional use.

Microsoft PowerPoint comes with all the features you need to create presentations.

For the last several decades, technology has taken over the historical methods of teaching.

One of the most common tools of technology in classrooms is the presentational software Microsoft PowerPoint (Bates & Poole 2003).

- Microsoft PowerPoint is a digital tool.
- It is used by UWTSD students frequently to do presentations for module work.
- Below is a link for beginners that guides you through to using Microsoft PowerPoint.
- <https://youtu.be/u7Tku3RGPs>



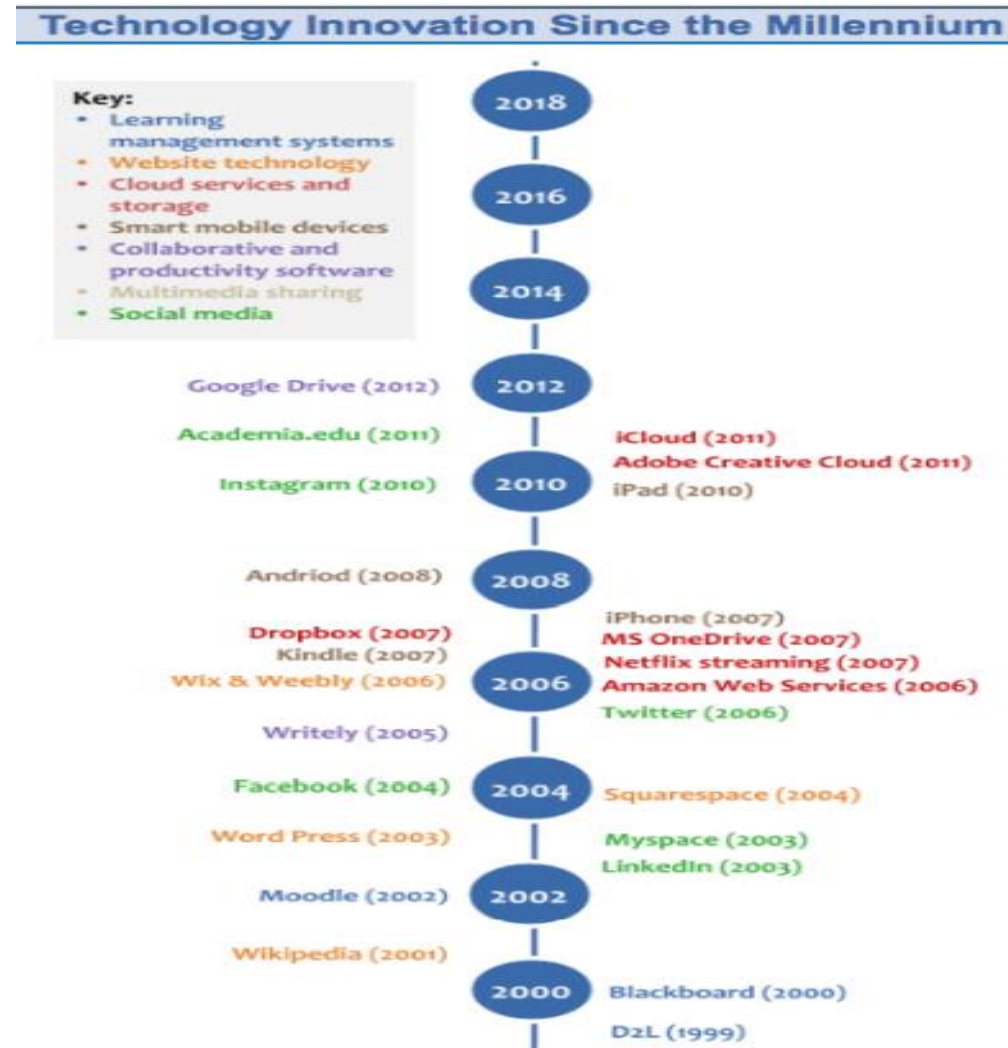
A TIMELINE OF DIGITAL RESOURCES FROM 2000 TO 2012

LITERATURE REVIEW

Swift and widespread changes have been seen in technology.

Fig. 1 identifies major technological developments since 2000.

Digital resources included in the timeline reflect some of those adapted but not developed. (Robinson,Dusenberry,Hutter,Lawrence, Frazee and Burnett 2019)



(Fig. 1. A timeline of digital resources)

LITERATURE REVIEW

Figure 5: Regional variation in the proportion of the population with the five basic digital skills

Percentage population by region, UK, 2018

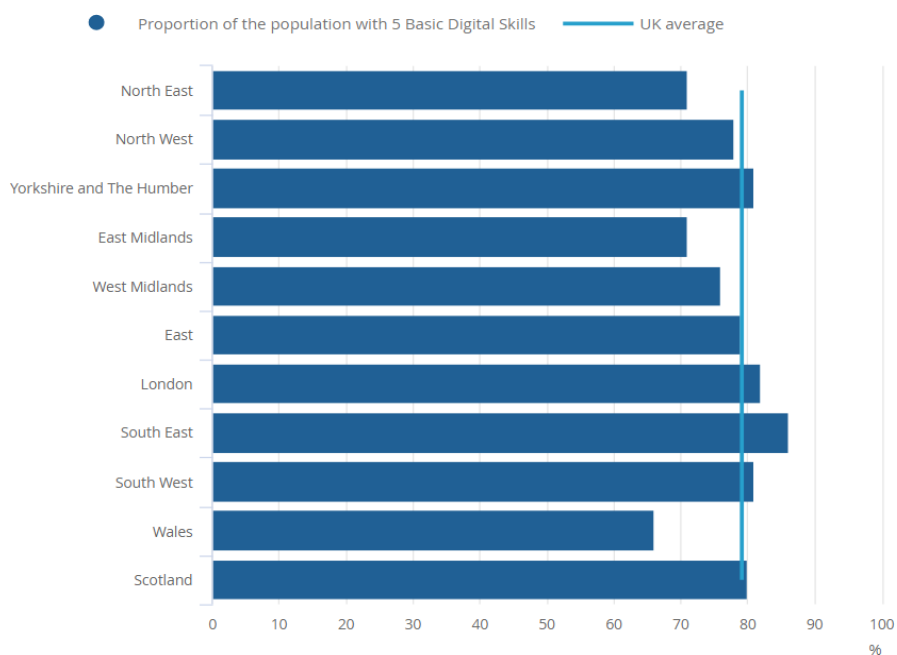
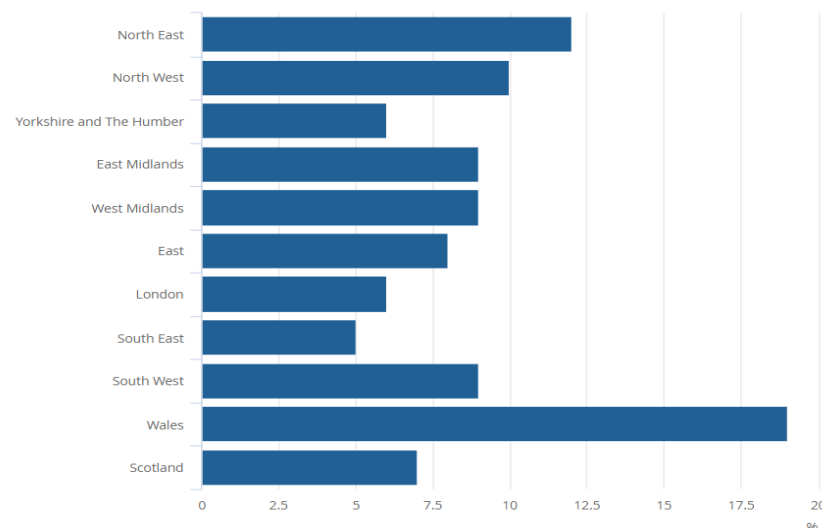


Figure 6: Regional variation in proportion of population with zero basic digital skills

Percentage population by region, UK, 2018



- Figures in 2018 suggested “11.3 million adults (21%) of the population do not have all five basic digital skills”
- Looking at the two clustered bar charts there are regional variations in basic digital skills (figures 5 and 6)
- In 2018 66% of the population in Wales only had all five basic digital skills the lowest in the region and they had the highest proportion of people with zero basic skills at 19%.
- South East of England had the highest proportion of people with all five digital skills at 86% and the lowest percentage at 5% with zero basic skills.
- (Lloyds Bank UK Consumer Digital Index 2018)

ETHICAL CONSIDERATIONS

- Ethics help us decide what we should do and why.
- Ethics refer to how people should act/judge about their actions.
- Ethics is about having respect for others, avoidance of harm and privacy of those taking part.
- Ethical issues can occur during research such as data leaked, potential harm, data not stored on a password protected device, falsely represented the results and researcher bias.

Ethical issues can be avoided by many ways :

- Personal information should not be shared, names will be coded example participant A or B
- Data will be stored in a password protected laptop, complying with data protection GDPR.
- Data will be deleted once research is finished .

The questionnaire will be voluntary, and all participants will be anonymous.

METHODOLOGY

What is Primary Research?

- Primary research is a research method that relies on direct data collection.
- The researcher has full power of who participates.
- Research is undertaken first hand and has never been used before.
- Primary research can be attained in many ways, but the common types are surveys, questionnaires and interviews.
- Using data that has been collected previously is called secondary research.
- Characteristic problems can occur with secondary research (Hox,2005)

Quantitative research

- Quantitative research focal point is the collection of numerical data.
- Data is established in numbers and statistics.

Considerations in a quantitative research

- Study design
 - Data collection
 - Data analysis
 - Reporting your reports
- (Sibanda 2009)

METHODOLOGY

The method we used is a quantitative research.

This research was for the students at UWTSD.

A questionnaire was created using google forms for the students at UWTSD to fill via a QR code pictured on your right or a URL link below

<https://forms.office.com/e/dPdYQxAQDe>

The following questions were asked -

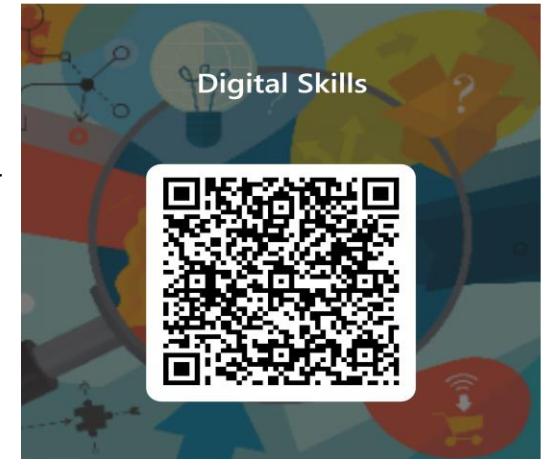
How important are digital skills?

Are you confident at using Microsoft office 365?

Which digital skill is important for UWTSD students?

I feel that using MS teams is more important than OneDrive for UWTSD students do you agree or disagree?

I feel that using Moodle is more important than Outlook for UWTSD students do you agree or disagree?



CONCLUSION

We want to end by re-posing our research question

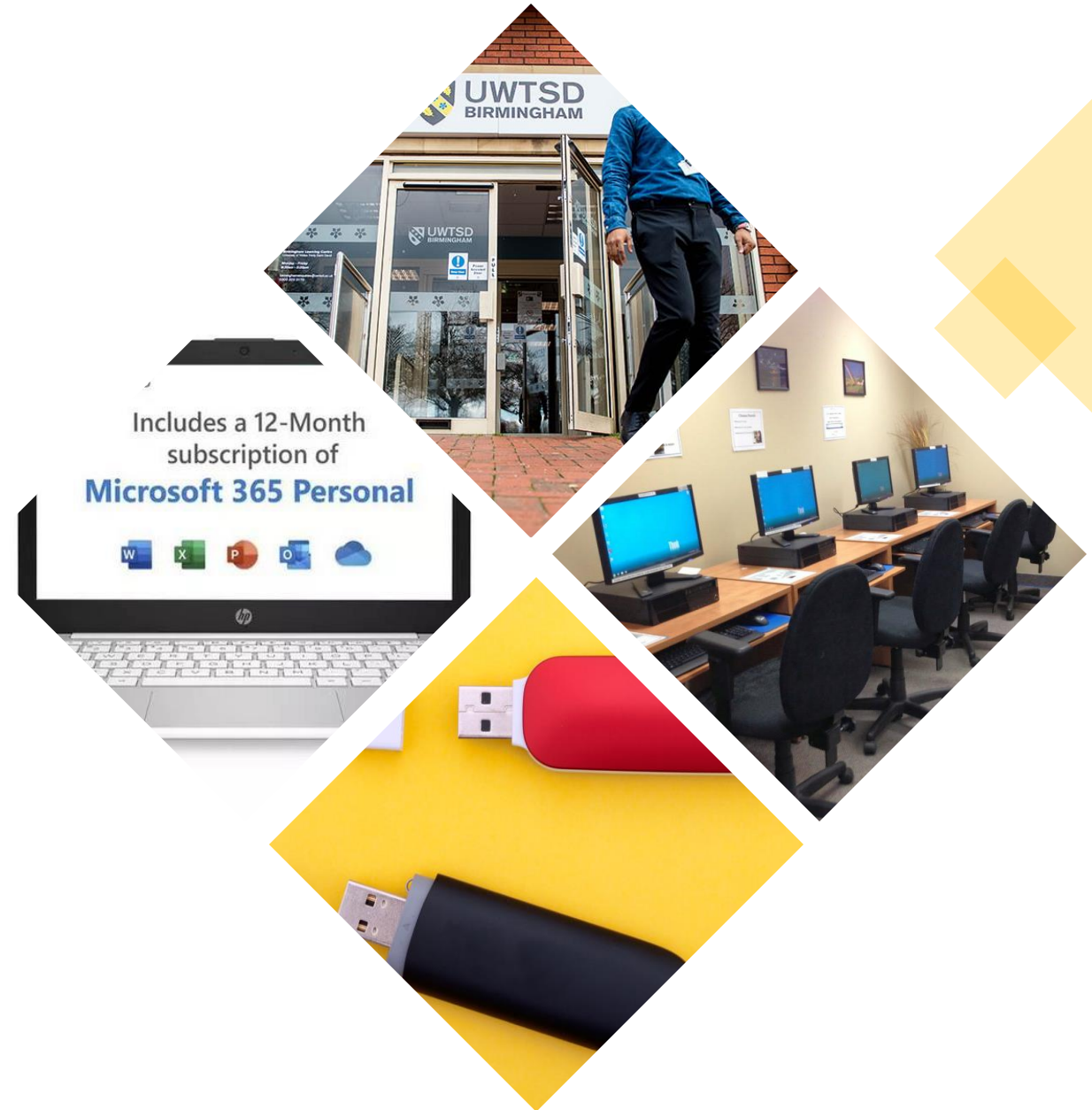
“Which digital skill do UWTSD students think is most important?”

The use of digital skills are used substantially by many people in today's world whether it's a phone, laptop, tablet or iPad. Digital skills play a vital role to many business, the health sector and the education sector i.e., UWTSD students are using digital tools daily to get assignments and presentations done.

To put into perspective usage of digital skills is very important for UWTSD students and many others.

We think the development of digital skills for UWTSD students can improve by

- Getting bigger IT rooms on campus
- Getting more laptops to loan for UWTSD students who have no access to devices
- Giving UWTSD students dongles if they have no internet connection
- Getting free computer classes on campus or online



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