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Future hybrid education and planning professional development

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Why should we be concerned with this topic?



- Managing educational future tontinues to be ancertain
- The current Covid-19 prodemic have ded different places
 and some opposities
- There is a need or education to align with ngoing, continuous and content orary charge—whether with a dramatic
- It is clear that the this been and wontinue to be a need to integrate use of innology support education
- This will not just be to addess crises, but also to support wider student involvement and participation in the future
- There is a comporary challenge for education to develop sustained, long arm, effective teacher practices with current and future digital technologies

A background to the current situation



- Some people, throughout their lives and technology change (Passey & re, 2020)
- They apply to be gies not used social or letter purposes, but also to be learning training, or employment needs (Lee & Passey, 2019)
- Some research did tes that the operall evidence base identifying positive impact you teaching and learning from uses of digital technologies not always clear (Lim, Zhao, Tondeur, Chai, & To, 2013)
- Ways that texturers use the digital technology can have a major effect on outcomes for all concerned (Passey, 2013)

Has the pandemic affected this concern or its focus?



- The Covid-19 pandemic has a wided an importive to chapt, yet to continue to maintain, but, who have should be adapted and what hould be maintained? (Passell)
- UNESCO (2011) Sported that Sporil 2020 abd 150 countries fully closed stationary factors, about countries had partially closed them to be in another they were fully open.
- Published lite at the and relative experiences showed that the teaching medium change it many localities, largely from a face-to-face medium to a conline medium
- Sometimes this from a synchronous, face-to-face medium to an asynchronous medium, or to a mixed synchronous and asynchronous medium

The study exploring teacher adaptation with technologies



- The study involved researched from Syrvay niversity and Lancaster University (Pssey & Lee 2) Lee & Pssey 2019
- It gathered out the in-dept of the front is ected sample of the in-dept of the sample of the samp
- Structured interversivere used, we entify key factors or reasons for how these individuals established and maintained their long-term uses
- Individuals selected had been using technologies for learning, teaching, train, or employment purposes for at least 5 years, in many cases to 20 or 30 years, and in some even more

The methodological approach and methods



- The analysis of individual questions
 adopted a ground approach (Nemaz; Bryant) farmaz
- The grounded theory approach used different sussequent coding means:
 - open coding, to its specific density of the interview texts that offered much or details.
 - axial coding here related ships between the open coding elements were consider.
 - selective coding
 nere core categories were identified

Findings 1



- Hardware changes can affect sustained the prior of the pr
- When asked about so ware charge and when these were first used, some respondent indicated general software changes or features, while whers identified specific software changes, but respondents did not relate these changes to specific years even periods or times when they were used (Passey & Lee, 1220)

Findings 2



- Performance with new fardware when change count but part that espons selected within four main categories (Passella et al. 2020);
 - increased afficiency
 - enhanced access
 - improved performance
 - enhanced ease of use



Findings 3 In terms of benefits experienced results as fell will a main categories (Pas Qualee, 2020) information cess access at a more grant evel collaboration self-empoverment greater levels of understating communication

Interviewees were asked how they have an aged on pintain uses and address in llenges of the logies of the fitware or hardware chingsal, and whethy did so that they could use the new or hodated software or hardware esponses were (Passey & Lee, 20) - exploring uses his elves they reticing as needed - using advice and guidant harovided with the updates - going on training our es - using help from hose around them

Findings 5



- When asked about

 - units supp
 - the more genera

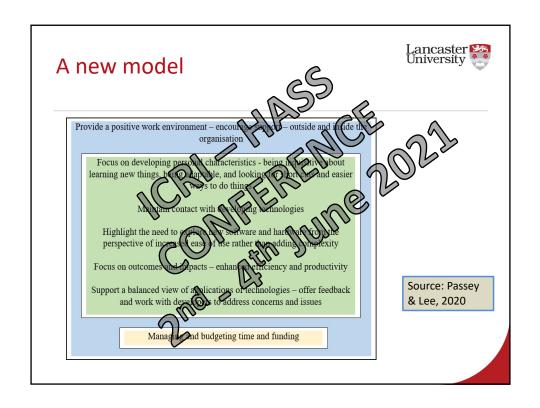
Findings 6



- Crucially, when asked ab characteristics that technology cha
 - technology

 - being very adaptable always looking short cuts, for easier ways to do things
 - being humble and having a willingness to learn things
 - being open-minded





General recommendations



- Develop positive personal synthetics to assessment and use
- Enable maintaining of antact with the ping technologies —
 and increasing landing
- Support a bland view of schologies
- Manage and budget for three to learn and adapt
- Encourage other and to offer worth
- Focus on enhanced communication and cloud access, enhanced efficiency and productivit
- Use technologie and ble a position of advantage
- Consider software and hardware changes as offering increased ease of use rather than creating increased complexity, or obstacles (Passey & Lee, 2020)

What next?



- Institutions that have focused in providing takinical support alone should rethink their position
- Rather than a collections on control support
 affordances the vidence with the support of the vidence with the support of the vidence with the support of the vidence of the vidence
- Fundamentally, this suggests moving away from technical support that focus so on affordances to a focus on outcome and impact support developing units or individuals that have a different and complementary focus (Passey & Lee, 2020)

Conclusions



- Covid-19 has shown that when technology can support and not prefer education (Passey, 2021)
- Past practice fraces concernology and uses:
 - Teaching medium and
 - Learning medium to be and entirely ment
 - 'Home' technology access on Support
 - Teacher technology access and support
 - Roles of those in low
 - Digital skills techniques
- How do we refuse these conceptions to support a future that can address crisis?

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