PRESERVING PRIVACY AND RECONCEPTUALISING SHARING IN ACTIVE LEARNING SPACES

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OVERVIEW
MOTIVATION
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ACTIVE LEARNING
TECHNOLOGY-ENHANCED ACTIVE LEARNING (TEAL)
Benefits
REQUIREMENTS
100 years

3 to 20 years
• Students were set the activity of researching privacy challenges of collaboration.

• Collaborated in teams and produced a question to ask peers.

• Peers answered question using classroom response system.

• Teams then considered data and chaired discussion with peers.
Do you feel the need to shield the screen of your device from your team members?

NO!

if I couldn't see the screen while they were working then I would be concerned...

depends, whether I trust him or not.

my personal files are hidden and protected ;)

Do you feel the need to shield the screen of your device from your team members?
Yes, you should know that you have to hide your personal data before connecting cables!

No, you don't know if it's going to appear on the screen next to you, or on every screen in the room.

Yes, since there is a certain way to display a different screen when broadcasting the desktop. This is available across operating system.

Do you feel the need to shield the screen of your device with the rest of the class?
Do you worry about the cables you use to connect your devices?

Create an app, that helps you connect to the screen casting app, and set rights on it.

You can't be 100% sure what you're plugging your device into, so the only way to protect your data is to not plug it in at all.

Encrypt the data.
What information are you most concerned about other peers observing?
Do concerns about privacy of personal data stop you from connecting your device?
Would you connect your smartphone or tablet?

Yes but I would turn off the notifications.
RECONCEPTUALISING
SHARING
PROBLEMS

• accidental sharing, notifications, both the sounds and content may reveal information not intended.

• misunderstanding, concern the students may interpret messages as something else.

• malicious attacks, data and other information could be captured by malicious actors.
• accidental sharing could be combated in-part with physical infrastructure controls.

• misunderstanding could be resolved through dedicated applications provided by university.

• malicious attacks could be difficult to guard against and does raise questions about additional expense.
CONCLUSIONS

• universities are unlikely to invest in bespoke solutions for TEAL spaces, considering the scope.

• equally universities can expect students to invest in secondary devices.

• invest in research and evaluation to determine the optimal solution to address the privacy concerns within TEAL spaces.
QUESTIONS?

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