DR. JOSEPH MAGUIRE

PRESERVING PRIVACY AND RECONCEPTUALISING SHARING IN ACTIVE LEARNING SPACES

University of Glasgow

Higher Education Academy

OVERVIEW

Verizon
1:10 AM
Tuesday
11
Calendar
Photos
Camera
Videos
Maps
Weather
Passbook
Notes
Reminders
Clock
Stocks
Newsstand
iTunes Store
App Store
Game Center
FaceTime
Music
Phone
Mail
Safari
Messages

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MOTIVATION

MOTIVATION

MOTIVATION

MOTIVATION

ACTIVE LEARNING

Tine

Tine

TECHNOLOGY-ENHANCED ACTIVE LEARNING (TEAL)

University of Glasgow

Benefits

REQUIREMENTS

100 years

3 to 20 years

PRIVACY

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My Computer

Settings

Joseph Maguire

Apple ID, iCloud, iTunes & App Store

Airplane Mode

Wi-Fi Not Connected

PERCEPTIONS

- 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.

NO!

depends, whether I trust him or not.

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

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 ITS GOING TO APPEAR ON THE SCREEN NEXT TO YOU, OR ON EVERY SCREEN IN THE ROOM.

yes, since there is certain way to display a different screen when broadcast 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?

ENCRYPT THE DATA

YOU CANT 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.

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

Do you worry about the cables you use to connect your devices?

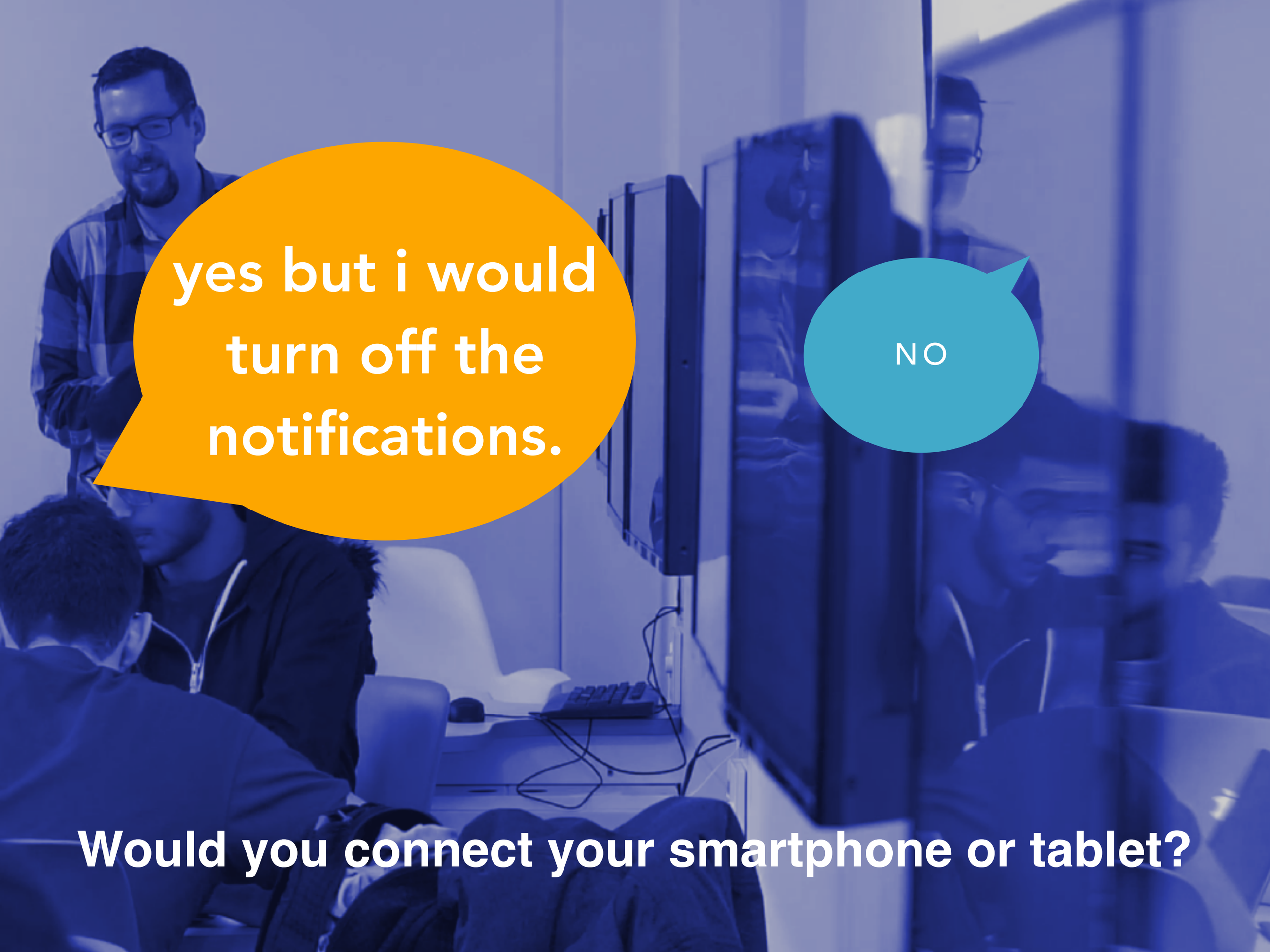
What information are you most concerned about other peers observing?

YES BUT YOU MAY ONLY HAVE A REASONABLE EXPECTATION OF PRIVACY TO A CERTAIN EXTENT IN ANY PUBLIC SPACE

YES, THERE MIGHT BE PERSONAL DATA ON DEVICE OR SOME CONFIDENTIAL INFORMATION THAT SHOULD NOT BE SHARED.

NO, ITS NOT. I'VE ALREADY SOLD MY SOUL TO FACEBOOK

Do concerns about privacy of personal data stop you from connecting your device?



Would you connect your smartphone or tablet?

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.

SOLUTIONS

- 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.

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QUESTIONS?