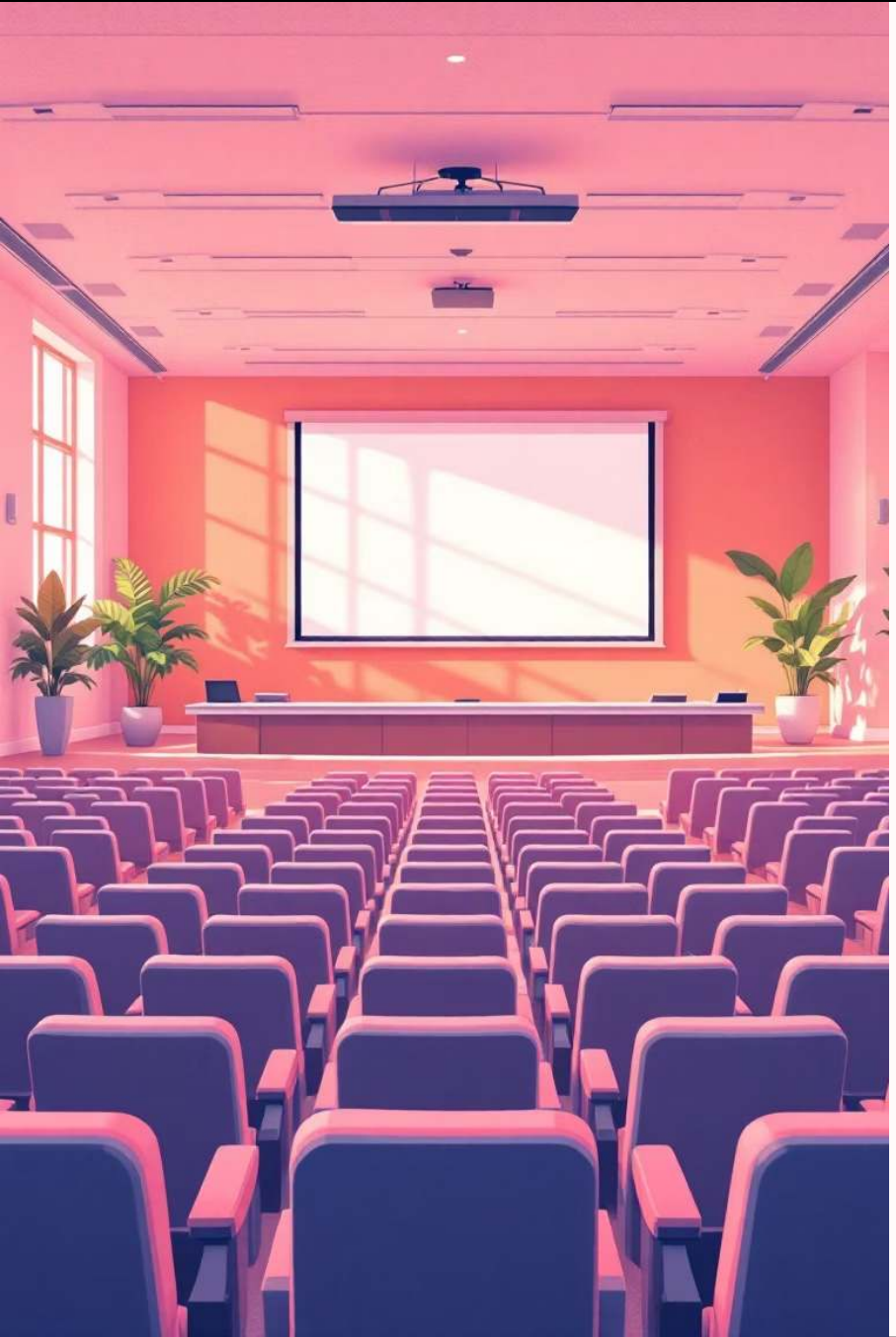


From Lecture Capture to Learning Impact

Turning recordings into active learning experiences

Patrick Phillips – Educational Technologist, Queen's University Belfast

panoptostudyguide.patrickphillips.tech

Acknowledgements / References

Note: Visuals adapted from Jisc Beyond Blended (2024)

- Jisc, Beyond Blended (2024) – curriculum and learning design
- QUB Digital Learning Hub (2024) – learning science practice
- Panopto Study Guide Pilot Data (2025) – internal pilot results

Turn Your Next Recording into a Learning Guide

Here's how you can get started:

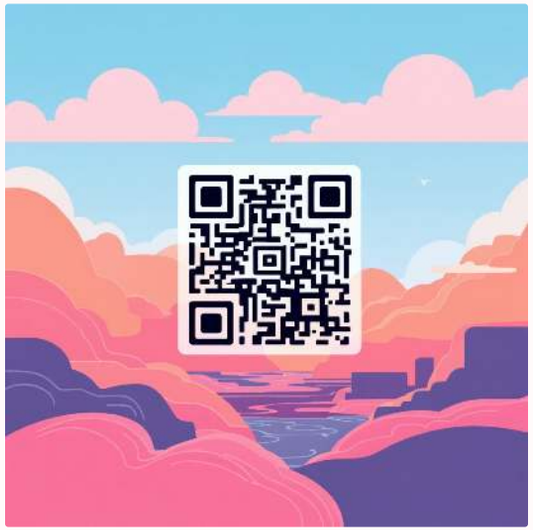
Generate one study guide this week

Share one finding with your team

Join the next pilot cycle

Access the study guide here:

panoptostudyguide.patrickphillips.tech



Scalability & Research Alignment



Strategic Foundations

- Aligns with QUB Learning and Teaching Strategy
- Built on Jisc Beyond Blended principles
- Low-lift workflow; cross-disciplinary



Next Enhancements

- Analytics on topic comprehension
- Student Voice panel
- Shared template library

Case Study Snapshot

Before

Quiz completion 23%

Average score 2.1 / 5

"The guided prompts moved us from watching to learning."

Staff Member

After

Quiz completion 78%

Average score 3.8 / 5

"I felt prepared and knew what to revise."

Student

Evidence & Metrics (Pilot Results)

72% Lecturer Adoption

Faculty actively integrating new pedagogical tools

Setup Time Reduced

From 45 to 10 minutes

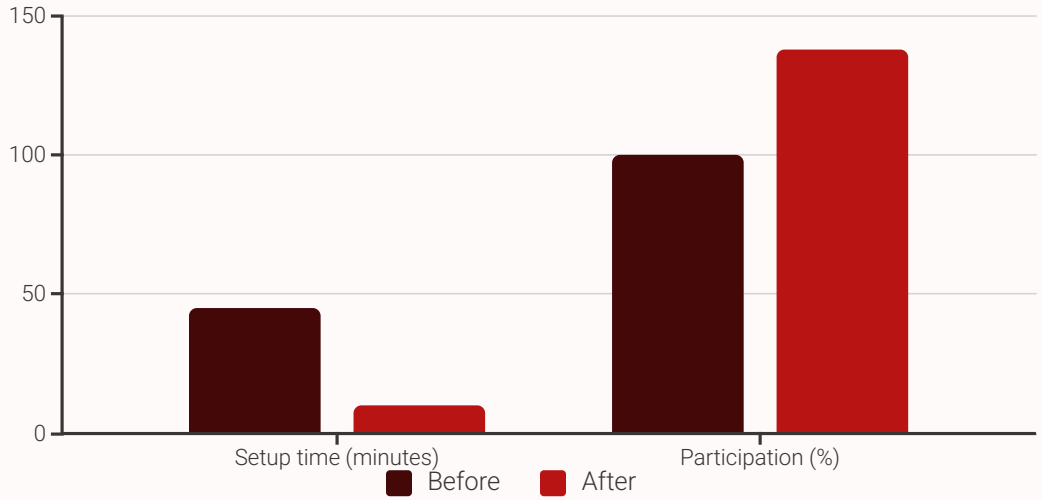
+38% Student Participation

Increase in student participation

90% Positive Feedback

High satisfaction from lecturers and students

Key Improvements from Pilot



Pilot results, QUB 2025

Data Ethics and Safeguarding

Our approach prioritises privacy, control, and transparency to build trust and ensure compliance.



Browser-based read-only inputs in pilot



Staff control what is published



GDPR and QUB Recording of Teaching Policy aligned



Clear consent and student messaging

Workflow (The How)



Open a Panopto Video



Choose mode: Concept Check / Worked Example / Reflection



Generate quiz or study guide

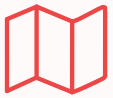


Publish to Canvas

Try it now: **panoptostudyguide.patrickphillips.tech**

Student Experience and Impact

> "It helped me focus on what mattered."



Clearer revision pathway



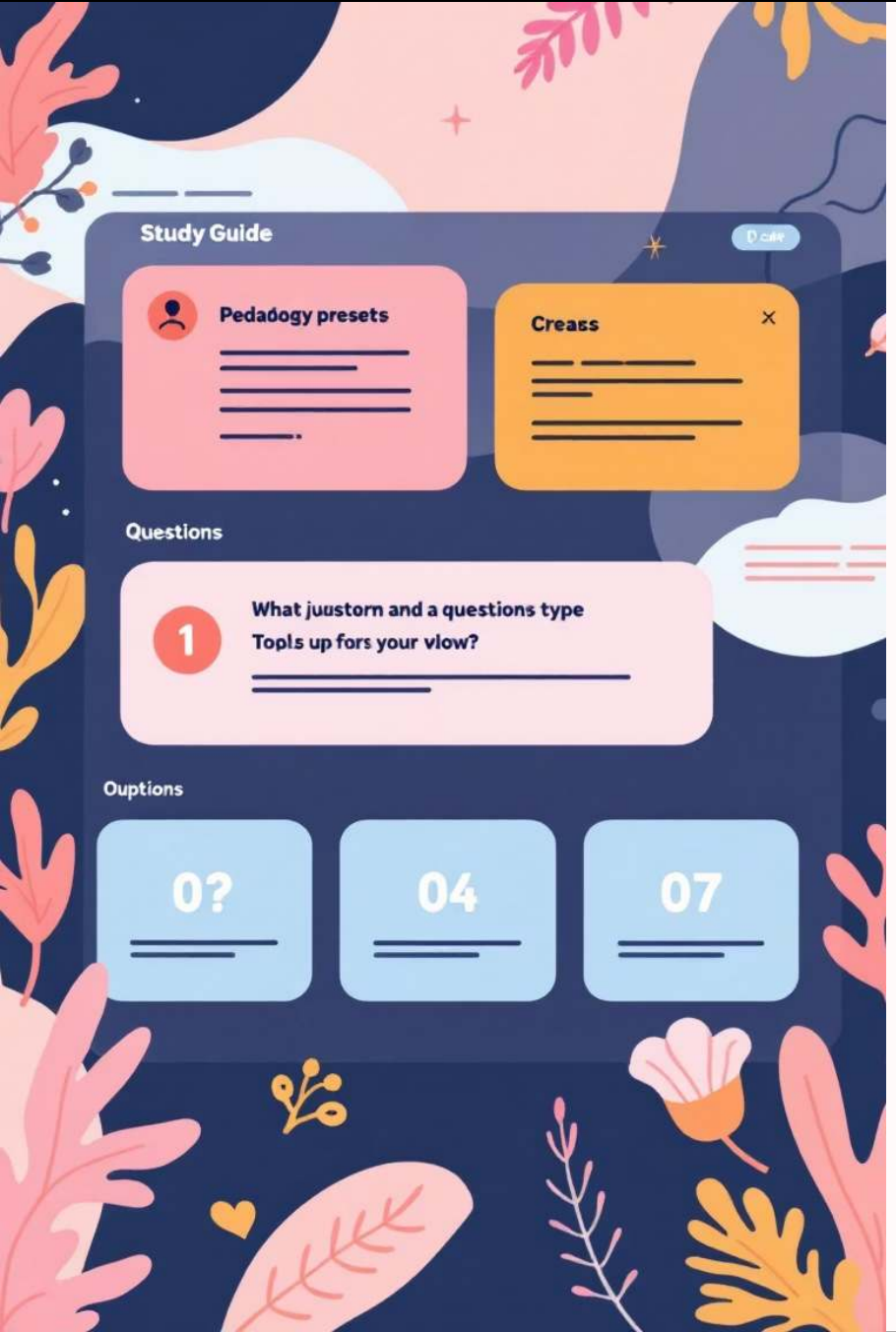
Regular self-testing builds confidence



Better focus on what matters



+38% participation in follow-up tasks



Lecturer Value Proposition

- Create Canvas quizzes and study guides in minutes
- Reduce setup time; keep control of content
- Consistent structure students recognise
- Runs in the browser; no installs

Average quiz setup time: **45 to 10 minutes**

Learning Science in Action

Retrieval Practice — short checks strengthen memory

Spaced Recall — plan review across weeks

Reflection — prompts build metacognition

Feedback Loops — targeted follow-up activities

Based on cognitive-science research from Jisc and QUB Digital Learning Hub

Pedagogic Foundation – Beyond Blended



Why this matters

Jisc's Beyond Blended gives a clear test for educational tools: place, platform, pace, blend, flex, support. Our study-guide workflow passes that test. It sits on Panopto and Canvas, adds structure to how students use recordings, and gives staff quick, low-lift ways to prompt recall, reflection, and follow-up. In practice, students study with purpose wherever they are, staff keep control of what is used and when, and seminars start from known gaps rather than guesswork.

Place

Study anywhere, anytime

Platform

Panopto + Canvas workflow

Pace

Student-controlled revision

Blend

Link asynchronous review to seminars

Flex

Reusable prompts and templates

Support

Clear study structure and quick checks

Adapted from Jisc Beyond Blended (2024)

From Pilot to Policy to Tool

An iterative R&D journey from idea to institution-wide impact.

Pilot (2023)

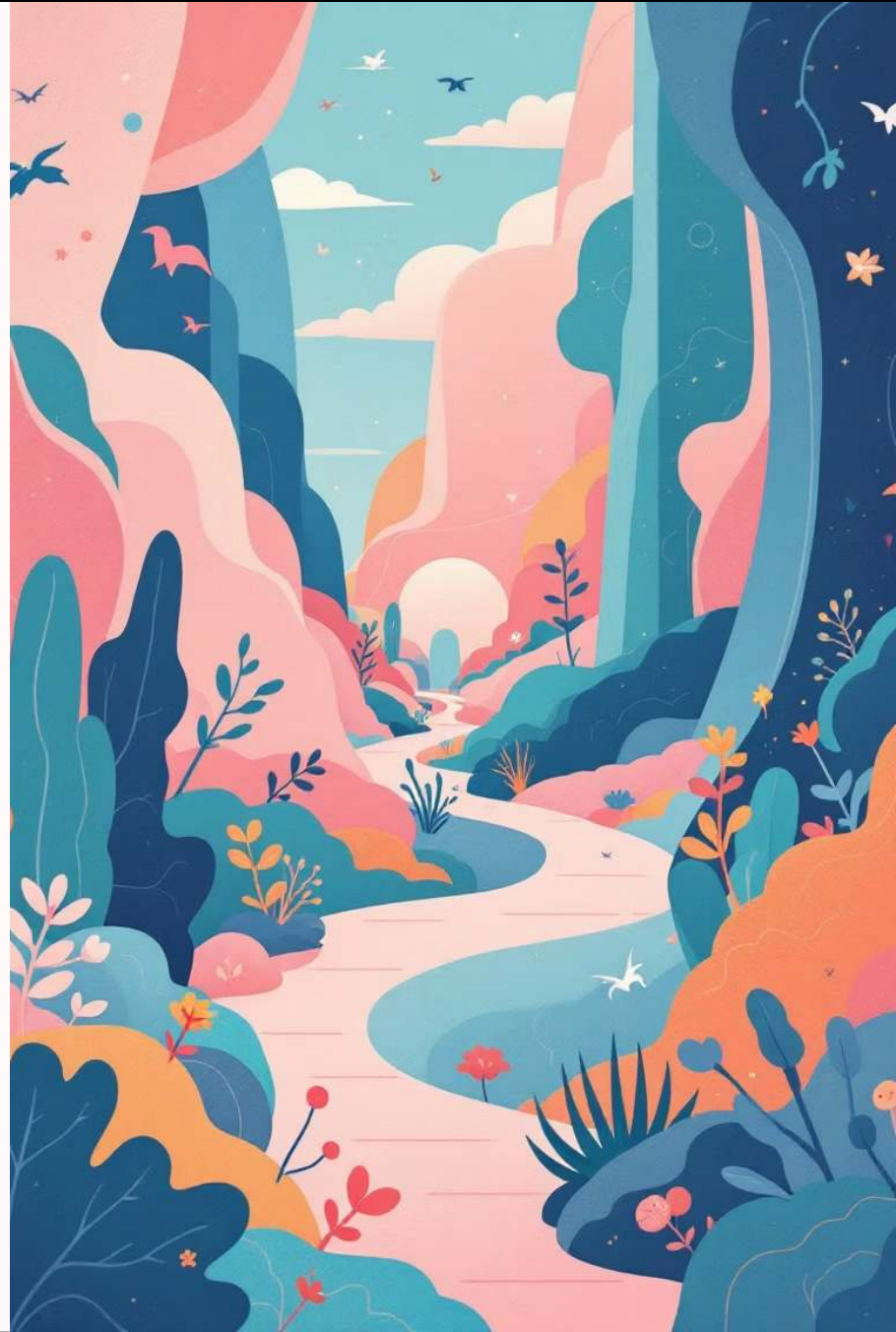
Accessibility and inclusion confirmed

Policy (2024)

Consistent recording practice and consent

Tool (2025)

Generator creates Canvas quizzes and study guides in minutes



Recordings as Learning Assets

If we can capture it, we can activate it. Turn videos into short, structured quizzes and study guides that foster retrieval, reflection, and application.

From Raw Videos

Capture lecture recordings and other video content

To Interactive Quizzes

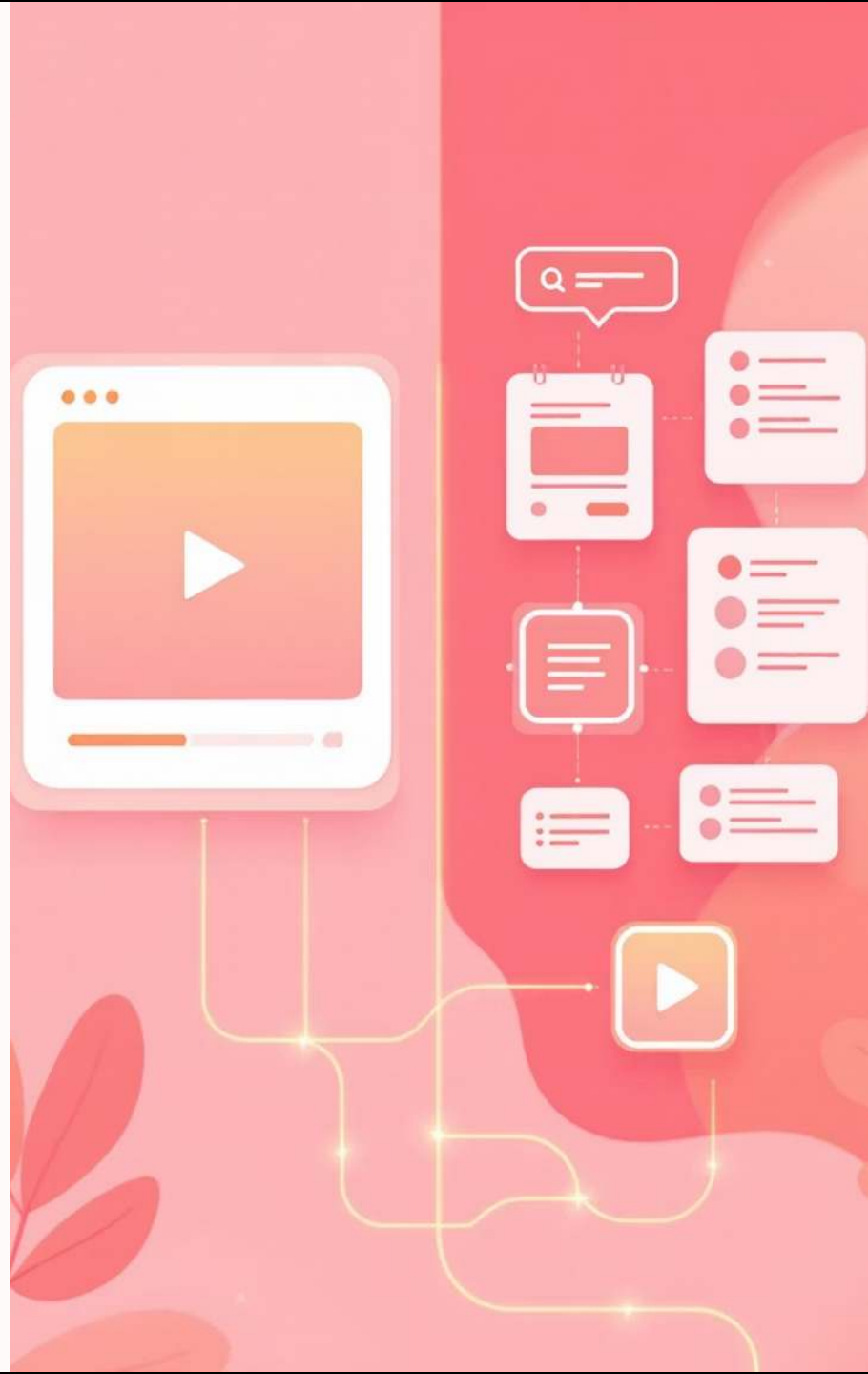
Transform videos into structured quizzes for engagement

Personalized Study Guides

Generate tailored guides to reinforce learning

Fostering Deeper Learning

Promote retrieval, reflection, and active application of knowledge





The Challenge: From Access to Impact

Lecture capture improved accessibility but rarely improved learning.

Students rewatch without structure

Staff lack quick study actions

Result: passive replay, limited retention

Aim: make every recording trigger active learning