

# Improving the Learning Central experience for Welsh language users and providing access to online learning materials without internet access

A photograph of three students sitting on a grassy lawn in front of a large, ornate, classical-style building with many windows and columns. The students are smiling and appear to be in conversation. The student on the left is a woman with long blonde hair, wearing a black top and sunglasses. The student in the middle is a woman with long dark hair, wearing a grey jacket. The student on the right is a man with dark hair, wearing a purple t-shirt, blue jeans, and sunglasses. The building in the background is a grand, multi-story structure with many windows and classical architectural details.

**School of Social Sciences eLearning Team**  
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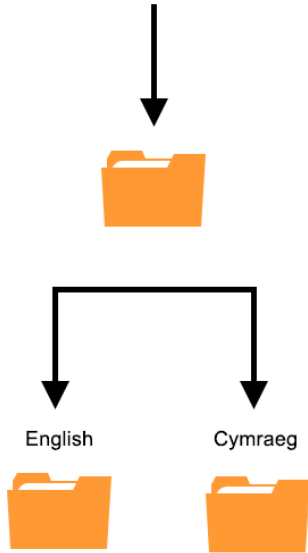
# Improving the Learning Central experience for Welsh language users

## Cardiff University Welsh Language Scheme

Learning through the medium of Welsh

- +170 Learning Central Welsh language modules
- Masters in Educational Practice, bilingual distance learning course, 1000 workplace-based learners, Welsh Government funded
- Continued Professional Education and Learning, bilingual distance learning course, 200 workplace-based learners, Welsh Government funded

# Improving the Learning Central experience for Welsh language users



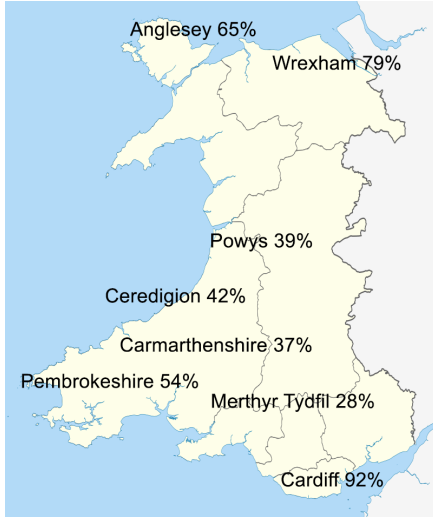
## Learning Central (LC) challenges

- Usability for both Welsh and English language users
  - Increased breadth and depth of modules
  - Increased navigation time
- Personalisation
  - Why doesn't it remember my preferred language

## Solution

- Bilingual content areas with a language toggle
- Language preference used by default across all LC content areas

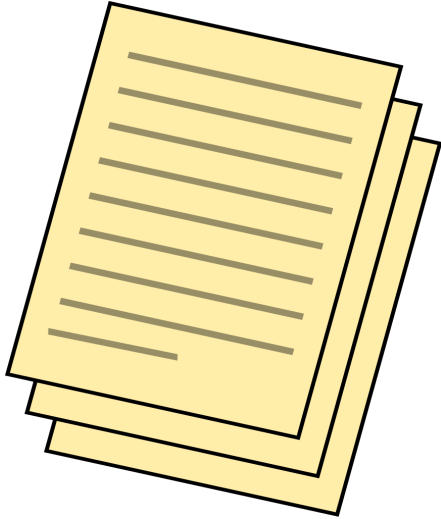
# Providing access to online learning materials without internet access



## Why?

- Not everyone lives in Cardiff (92% Super-fast broadband coverage)
  - Carmarthenshire – 37% Super-fast broadband coverage
  - Merthyr Tydfil – 27% Super-fast broadband coverage
- Not everyone has unlimited mobile internet
- Workplace-based learners (Limited internet access and Firewalls)
- Providing learning opportunities where and when the learners chooses (e.g. Commuting)

# Providing access to online learning materials without internet access



## How?

### Distribute copies

- Poor learner experience
- No version control
- Impacts on Learning Central engagement (Storing problems for later)

# Providing access to online learning materials without internet access



## Solution - An application cache?

An application cache is a list of all resources the learner requires to use a learning resource when no internet connection is available.

The first time a learner accesses a learning resource that includes an application cache, all resources (files) are automatically downloaded, including those they may not yet have accessed.

When the learner attempts to access the learning resource when no internet connection is available, via a bookmark or shortcut, the learning resource will automatically use files previously downloaded enabling it to function offline.

# Providing access to online learning materials without internet access



## Benefits

- Low-cost – Deliver simultaneously for both online and offline use
- Maintain learner experience – Learning how you intended
- Maintain version control – Updates automatically when next online
- Continuity via Learning Central

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