

Role of Open Badges in Bridging [In]Formal Learning

Scot-BUG, The University of Aberdeen 27/02/2014

Grainne Hamilton, Jisc RSC Scotland, Phil Richards, North East Scotland College, Dr Sara Preston, University of Aberdeen

Scot-BUG - Role of Open Badges in Bridging [In]Formal Learning 27/02/2014 2

Open Badges
A digital accreditation infrastructure

Scot-BUG - Role of Open Badges in Bridging [In]Formal Learning 27/02/2014 3

» **Digital credentials** – called **Open Badges**

Scot-BUG - Role of Open Badges in Bridging [In]Formal Learning 27/02/2014 4

Open Badges
Information infused images

From Flickr by dun-deagh

Scot-BUG - Role of Open Badges in Bridging [In]Formal Learning 27/02/2014 5

Open Badges
Information infused digital images

Badge image

- Badge name
- Description
- Criteria
- Issuer
- Evidence
- Date issued
- Standards
- Tags

Image by Kyle Bowen

Scot-BUG - Role of Open Badges in Bridging [In]Formal Learning 27/02/2014 6

» **Assessments** and identification of learning, attributes and competencies

» An **open infrastructure** for issuing, managing and sharing the credentials

Scott-BUG - Role of Open Badges in Bridging [In]Formal Learning 2/28/2014 7

Open Badges

Digital credentials earners can display online

On: Professional profiles, e.g. LinkedIn / Blogs / Personal websites / Social media / e-Portfolios...

Scott-BUG - Role of Open Badges in Bridging [In]Formal Learning 2/28/2014 8


University of Aberdeen

Why we are interested in Open Badges

- » **Recognising** learners' achievements in non credit-bearing personal and professional development courses
- » **Certifying** learners' competencies
- » **Encouraging** and **supporting** learners' to develop a range of skills, attributes and knowledge

Scott-BUG - Role of Open Badges in Bridging [In]Formal Learning 2/28/2014 9

Plans for Using Open Badges


- » Pilot course on 'Online Course Design & Tutoring'
- » Careers' Service non-credit bearing courses for Level 1 and 2 students
- » Maths resources and diagnostic tests focused at students articulating into Engineering degrees, progressing to Level 1, 2 and 3 Engineering
- »  **Students Taking Active Roles Award Framework** to support skills and attribute development

Scott-BUG - Using Open Badges for Articulation 2/28/2014 10

North East Scotland College

Experiences of using Open Badges

- » Staff Blackboard Training Course. SQA Credit rated - specific formal requirements
- » Previously used Goals, Alignments tool
- » Created badges - Open Badge Designer
- » "Triggers" (adaptive release rules) – 70% on computer marked test
- » Detailed requirements added as Description



Scott-BUG - Using Open Badges for Articulation 2/28/2014 11

Specific Formal Requirements

<p>Outcome 1</p> <p>Use Blackboard to perform routine tasks with sample materials.</p> <p>Performance Criteria</p> <p>(a) Course structure is created and amended appropriately</p> <p>(b) Course content is created and structured appropriately</p> <p>Evidence Requirements</p> <ul style="list-style-type: none"> » A Personal Profile is created » A Journal entry is made and edited » Course settings are changed » A course menu is adapted 	<p>Evidence Requirements...</p> <ul style="list-style-type: none"> » The appearance of a course is changed appropriately » An announcement is created and modified » Course content is created and structured appropriately » Course content is deleted, moved, copied and modified » Course links are created » External links are created (using a new window) » Microsoft Office files are deployed effectively » Multimedia are added into courses
--	---

Scott-BUG - Using Open Badges for Articulation 2/28/2014 12

Student View

My Achievements

Outcome 1 completed

✓ Grade: Outcome 1 Updated (Greater than or equal to 70%)

VLE Outcome 1
Well Done you have passed Outcome 1 and earned your first badge.

Hoorah!
You are about to send 1 badge to your Mozilla Backpack at backpack.openbadges.org.
Log in to do so.

Actions: Publish to Mozilla, Reward Details

Live link

Scott-BUG - Role of Open Badges in Bridging [In]Formal Learning 2/28/2014 13

Issuer Details

Issuer Name: Phil Roberts
 URL: www.blackboard.com
 Organization: North East Scotland College - Scotland

Details

Name: VLE Outcome 1
 Description: Developing skills for online course delivery using a Virtual Learning Environment (VLE) and a Content Management System (CMS)
 Criteria: [https://about.blackboard.com/webapps/achievements/...](https://about.blackboard.com/webapps/achievements/)

Recipient Details

Recipient: p.roberts@nec.ac.uk
 Criteria: [https://about.blackboard.com/webapps/achievements/...](https://about.blackboard.com/webapps/achievements/)

We have encountered the following problem: *Invalid assertion structure*

You didn't add any open badges to your backpack.

Visit your [Backpack](#) to manage and share your open badges.

[Thanks!](#)

Scott-BUG - Role of Open Badges in Bridging [In]Formal Learning 2/28/2014 14

Issues

- » Generally slow response (2m) – may be due to numbers in organisation (x600)
- » Full requirements cannot be shown
- » Publish to Mozilla – [Known Issue](#) – fixed SP16
- » Cannot upload bespoke certificates
- » Course /organization based – not attached to user profile or Global navigation

Feels "half-baked"

Scott-BUG - Role of Open Badges in Bridging [In]Formal Learning 2/28/2014 15

Stop Press - fix for Publish to Mozilla

- » Updates to registry entries – thanks Julie Usher
- » Works with our SP14 Test system and SP12 Production system

mozilla Backpack

You've sent 1 badge to your Mozilla Backpack.

Visit your [Backpack](#) to manage and share your open badges.

[Thanks!](#)

» BUT DO NOT USE INTERNET EXPLORER!

Scott-BUG - Role of Open Badges in Bridging [In]Formal Learning 2/28/2014 16

Moving forwards

- » How can **Blackboard** help?
 - » Support for integrating detailed criteria
 - » Link with user profiles
- » **Getting started** with Open Badges
- » Current developments to support the development of badges

Scott-BUG - Role of Open Badges in Bridging [In]Formal Learning 2/28/2014 17

Jisc RSC Scotland Open Badges Criteria narrative example

Course Matrices

Matrix used for course entries

Criteria	Unsatisfactory	Satisfactory
Has met with	Activity not completed	Activity has been at least partly completed
Has	Participant has not demonstrated an understanding of underlying concepts and an understanding of consequences	Participant has demonstrated at least a basic knowledge of underlying concepts and an understanding of consequences
Has	Participant has not demonstrated an understanding of the application of underlying concepts	Participant has demonstrated at least a basic understanding of the practical application of underlying concepts
Has	Participant has not shown insight or creative thought	Participant has shown at least basic insight and creative thought
Activity completed more than 1 day after deadline	Activity completed more than 1 day after deadline	Activity completed to meet the 1 day after deadline
Has	The participant does not communicate that message	The participant communicates that message

Learning Online: OCeT Completer (Version 1.00)

Created by ADMIN | Created on FEB - 28 - 2014

L
C
A
E
N
I
N
G

About the course

The Jisc RSC Scotland's fully online courses last between 2-3 weeks. They make use of a number of online tools including wikis, discussion boards and blogs. An introductory overview of these online courses (the experience of design and sharing of practice) based on a participant's arrangement of a group of people in order to learn. The course has been influenced by the leading educational theorists such as George Siemens (the theory of Connectivism), Guy Claxton, Diana Wagner and Nancy White. By focusing on authentic tasks, the social aspects of learning and the development of a learner community, the course activities support not only the learning of the individual participant but the development of the group as a whole.

Scott-BUG - Role of Open Badges in Bridging [In]Formal Learning 2/28/2014 18

Current developments

- » **Blackboard** are committed to Open Badge developments and are founding members of the **Badge Alliance**
- » **Mozilla** are developing **BadgeKit** to enable easy creation and issuing of badges
- » **Jisc** are developing an **Open Badge Design Sheet** to support effective development of badge system, content and brand design

Further information

- » Jisc Regional Support Centre (RSC) Scotland pilot of Open Badges: rsc-scotland.org/?page_id=2223
- » Mozilla's Open Badges site - how to use the Open Badge Infrastructure to earn, issue and display Open Badges: <http://openbadges.org>
- » Open Badges in Scottish Education Group: bit.ly/obseg #OBSEG
- » Open Badges case studies: rsc-scotland.org/?tag=open-badges
- » Open Badges blog posts: rsc-scotland.org/eassessment/tag/open-badges/