e-Learning and the Business Case for Digital Libraries

About SCRAN
eLearning and Cultural Resources
Projects and Sustainability
Digital Library Resources as Learning Objects
Scottish Cultural Resources Access Network

A Networked Multimedia Resource Base for the Study and Celebration of Human History and Material Culture from the Digitised Resources of Libraries, Archives, Museums & other Cultural Organisations in Scotland
Organisation and Governance

• A Registered Educational Charity
• Obtains and administers Grant-aid
• Controls the Content Creation
• Manages the digital IPR
• Runs a learning resource service
eLearning
Multimedia
Interactive
Re-usable
Learning Resources
From the Nation’s Treasurehouses

• Public, Academic, National Libraries

• Museums

• Galleries
  – Burrell Collection, National Galleries of Scotland, Imperial War Museum

• Archives
  – Scottish Screen, Grierson Archive of Documentary Film, Scottish Music Information Centre, Scottish Theatre Archive, National Archives of Scotland

• The Built Heritage
  – National Trust for Scotland, Historic Scotland, Lennoxlove House

• The Media
  – Scottish Television Film & Video Archive, The Scotsman, The Herald

• Contemporary and Performing Arts
  – Traverse Theatre Company, The Sound of Scottish Writers Project

• User Organisations
  – Learning & Teaching in Scotland, Universities Scotland, BCS
Robert Burns (1759-1796) was born in Alloway in Ayrshire, the son of a farmer who provided him with an excellent education. On the death of his father in 1784, Burns tried his hand at farming, but met with little success. While Burns considered emigration, he wrote a number of his finest poems: The Twa Dogs, The Cotter’s Saturday Night, and To a Mouse all date from 1785. He hoped that by publishing his work, in the now famous Kilnarnock edition of his poems (1786), he would raise the money to establish himself in Jamaica. But such was the success of the edition that he decided to remain in Scotland and he was housed by Edinburgh society.

It was while Burns was in Edinburgh that Alexander Nasmyth painted this portrait, now the most famous image of the poet. Introduced to each other by their mutual acquaintance and patron, Patrick Miller of Dalswinton, Burns and Nasmyth became good friends. The portrait was commissioned by the publisher William Creech, to be engraved for a new edition of Burns' poems. Apparently Nasmyth never quite completed the portrait, preferring to leave it unfinished rather than take the risk of losing his likeness.

The poetry of Robert Burns, both in Scots and English, has become an important part of Scottish national identity. His personality - democratic and generous - has also become an ideal for many Scots.

**Date:** 1787  
**Material:** Oil on canvas  
**Dimensions:** 38.40 x 32.40 cm  
**Who:** Alexander Nasmyth (Maker), Robert Burns (Sitter)  
**Where:** Dumfriesshire, Ellisland (home of subject), Scottish  
**Description:** Robert Burns, 1759 - 1796. Poet.

**References:** National Galleries of Scotland A Companion Guide to the Scottish National Portrait Gallery Edinburgh: Trustees of the National Galleries of Scotland, 1999  
National Galleries of Scotland Website
Painting of Robert Burns (1759-1796) By Alexander Nasmyth, 1787

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Welcome to SCran

SCran is the history and culture site which lets you learn directly by accessing images, movies, sounds and virtual reality. There are one million heritage records from museums, galleries, archives and media. Select the text version of the site.

Search of the Day: Designs on our Buildings

As well as a substantial archive on historic buildings, SCran also holds a number of collections relating to the process of urban design and the development of towns and cities. Find out more by exploring these collections:

- Urban Design - Charting Cities
- Royal Fine Art Commission: Advising on Design
- Architectural History

Visit our online shop

Gallery of online exhibitions
Search Results: Picture View

If you would like to view your results as a list, click on Text View.

Click on any image to view its Full Record.

Number of hits retrieved: 358  Records 1 to 9
Page: 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | >> | 40 | Text View
Films of Scotland documentary: Clydescope (video clip)

A panoramic film of the Clyde, from Biggar to Brodick, with Billy Connolly as a guide.

Extract: Billy Connolly with Tam Harvey accompanying, cruises down the River Clyde on 'The Waverley', the last surviving sea-going paddle steamer in the world. It is still in operatic today.

Sponsored by Films of Scotland and the Clyde Tourist Association. Produced by Viz. Written and directed by Murray Grigor. 30 mins.

Get Image

A modern Scottish triptych, no 3, 'Chorale pibroch for Sorley Maclean'

Recording of the piano solo by Ronald Stevenson

A commercial recording released by Altarus in 1993.

One of a series of 3 piano pieces, each written to commemorate a great Scottish intellectual. This one was composed for the writer Sorley Maclean.

Get Image

Ronald Stevenson's (1928-) long career as a concert pianist and composer has taken him all over the world, but he has been based in Scotland since the 1950s. His extensive output ranges from concertos to song-cycles and includes the longest continuous composition for solo piano, the 60-minute 'Passacaglia on DSCH'.

Not just Pictures...
"There are video clips, there are audio clips - a whole range of different ways of presenting information – so this is the future of learning in our schools"

*Nicol Stephen MSP, Deputy Minister for Education*
A Sustainable Service

• Seamless, adaptive access
• 7/24 serviceability
• Rights protection
• Backup and disaster recovery
• Secure storage of archival masters
• Media and platform migration
• Content updating and refreshment

—Recurrent Expenditure
Funding Sustainability

Riding the Tiger...
Funding Sustainability

• Riding the Tiger
• Revenue Grant in Aid
• Institutional Commitment of Core Funding
• Contributor Membership Fees
• Sponsorship
• “Friends”
• Commercial Sales
• Educational Licensing
Licensing Model

• Contributor Licence
  – Contributor retains Commercial Rights
  – SCRAN receives:
    perpetual, non-exclusive, worldwide right to non-profit, educational use
  – Rights “snap back” if SCRAN taken over

• User Licence
  – User gains:
    non-exclusive, non-transferable, institutional right to non-profit, non-proliferation, educational use
SCRAN Licensing Model

CONTRIBUTORS

COMMERCIAL PUBLISHERS

HOME MARKET

EDUCATIONAL INSTITUTIONS

STUDENTS AND LIBRARY USERS
Educational Licence
Rights Management

• Authentication & Authorisation
• Watermarking & Fingerprinting
SCIRAN
Millennium Project Outturns

- 350 contributors
- 1,200,000 records
- 150,000 images
- 10,000 sound/movie clips
- 800 learning resource packs
- Licenced to all Schools in Scotland
- JISC deal for HE/FE, UK-wide
SCRAMAN Futures

- Extended User Licensing:
  - Education Authorities in England
  - Learning Organisations World Wide
- Additional Digital Libraries:
  - Resources for Learning in Scotland
  - British History Library
  - AMICO Library
- The SCRAMAN Portal
- SCRAMAN Digital Libraries as Learning Object Repositories
  - VLEs, MLEs
  - Curriculum Online, SSDN, X4L
Resources for Learning in Scotland

• £4million NOF Grant
• National Library of Scotland
• 115 Library & Archive Projects
• Complementary to and Integrated with SCran
Welcome to Resources for Learning in Scotland

Resources for Learning in Scotland (RLS) is a consortium headed by the National Library of Scotland and including the National Archives of Scotland, the Scottish Cultural Resources Access Network, and over 100 Scottish archives and libraries, to create digital content for the study and celebration of social, cultural and industrial heritage in Scotland, complementary to and integrated with the SCrán resource base.

The NLS has just been awarded substantial grant aid from the New Opportunity Fund’s Digitisation Initiative to implement RLS.

RLS fully supports the work of the UK Metadata for Education Group (MEG) in working towards interoperable access to educational resources. Over the life of the programme, rls.org.uk has ambitions to become the portal of choice for people seeking Lifelong Learning resources in Scotland. In the meantime, visit this page for news of the continuing development of the RLS programme of projects, and to search the resource bases of RLS and SCrán.
Number of hits retrieved: 630  Records 316 to 324
Page: 1  |  <<  |  28  |  29  |  30  |  31  |  32  |  33  |  34  |  35  |  36  |  >>  |  70  |

Text View

**Historian and author**
**Thomas Carlyle**
circa 1865
Hulton Getty

**Historiated initial depicting scenes from the second Punic War**
From a fifteenth century Italian manuscript of Livy's History
University of Glasgow Library

**Historiated initial from fourteenth century manuscript of Boethius' On the Consolation of Philosophy**
University of Glasgow Library

**History of Tlaxcala**
A Sixteenth century manuscript
University of Glasgow Library

**Holograph fragment of 'Auld Lang Syne' poem by Robert Burns**
Burns Monument Trust

**Hours of the Virgin (Lauds) - historiated initial**
Murthly Hours, Folio 54r
National Library of Scotland
The British History Library

Welcome to the British History Library featuring over 2000 images from the British Galleries at the V&A - the world's greatest museum of the decorative arts.

Start with the Featured Search or Treasures listed below. Type in your own Instant Search above or select from the options on the right.

Inspirational, beautiful and unmatched in scope, the stunning new British Galleries display the most comprehensive collection of British design and art on view anywhere in the world. more>>

Featured Search

These lavish designs were created for the first production of Gilbert and Sullivan's comic opera, The Mikado, which opened in London in 1883. The Japanese Exhibition of 1884 had inspired Gilbert's theme, and provoked a new craze for 'Japonisme' in London society. The thoroughly-researched costumes and set of The Mikado led one critic to state that audiences should be grateful 'for being translated from the terrible land of fogs to the sunny landscapes of Japan'. featured_search>>

Collection Treasures

some significant cultural treasures  leading manufacturers of the times
Welcome to The AMICO Library™

Welcome to the Art Museum Image Consortium (AMICO), a not-for-profit organization of institutions with collections of art, collaborating to enable educational use of museum multimedia.

Together, AMICO Members are building The AMICO Library (TM), a licensed digital educational resource available under subscription to universities and colleges, public libraries, primary and secondary schools, and museums.

A subscription to The AMICO Library (TM) offers online access to high-quality museum multimedia including high resolution images, multiple views, catalogue details, sound and video.

The AMICO Library (TM) has a range of educational uses, and is dedicated to providing new ways to teach and study art history.

Membership of AMICO is open to all institutions with collections of works of art, willing to contribute to The AMICO Library (TM).
Search Results: Text View

If you would like to view your results as a list, click on Text View.

Click on any image to view its Full Record.

Number of hits retrieved: 138  Records 1 to 9
Page: 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | >> | 10 | 11

"The Beach at Le Lavandou, French Riviera"
Clark Art Institute

A Bouquet of Roses
Clark Art Institute

A Girl Crocheting
Clark Art Institute

A Girl Gathering Flowers
Clark Art Institute

A Girl Reading
Clark Art Institute

A Girl with a Fan
Clark Art Institute
The SCRUN Portal
Netwide Search

Search SCoran and other databases

Enter your search terms in one or more of the boxes on the right and select any or all of the checkboxes, then click Search.

This search uses the words you enter to find any records that contain all of these words in any place.

It provides maximum retrieval, but using Assisted Search offers more relevance. Teachers may prefer to use our.

search | browse | information | education | news | my scran | help

login

search | clear

records containing:  
glasgow

and:

and:

please select any of the checkboxes below:
[select all checkboxes]

- SCoran
- AMICO

libraries:
- Edinburgh
- Glasgow
- Scotland-wide
- UK-wide
- world-wide

image services:
- Archaeology (ADS)
- Helix
- Picture Australia

gateways:
- Education (SVTC)
- Art & Design (ADAM)

heritage services:
- Monuments (Canmore)
- Portable Antiquities

Internet
Search Results: Picture View

Click on any image to view its Full Record.

Number of hits retrieved: 7447  Records 6607 to 6615
Page: 1 | << | 730 | 731 | 732 | 733 | 734 | 735 | 736 | 737 | 738 | >> | 828 | Text View

6607: PictureAustralia
LISMORE. GLASGOW. 1598. BUILT AT GLASGOW 1885

6608: PictureAustralia
A relic of the gold days - The old Bar of the Glasgow Arms Hotel now delicensed, at Talbot, Vic.

6609: PictureAustralia
Abandoned in the N. Atlantic. Jan 1915. Then under Russian flag.

6610: PictureAustralia
Dismasted 1892. Southern Ocean. Run down in

6611: PictureAustralia

6612: PictureAustralia
<table>
<thead>
<tr>
<th>7444: PictureAustralia</th>
<th>7445: PictureAustralia</th>
<th>7446: PictureAustralia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glasgow Arms Hotel (Newcastle trip)</td>
<td>Cocktail party for Canadian High Commissioner on board HMCS New Glasgow and HMCS Sussexvale, Garden Island</td>
<td>Cocktail party for Canadian High Commissioner on board HMCS New Glasgow and HMCS Sussexvale, Garden Island</td>
</tr>
</tbody>
</table>

7447: PictureAustralia Colonial premiers at Municipal Art Gallery, Glasgow

**Page: 1 | << | 820 | 821 | 822 | 823 | 824 | 825 | 826 | 827 | 828 |**

**Text View**

**search status report: running [or complete]**

**click collection organisations below left to display relevant results**

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<thead>
<tr>
<th>collection</th>
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</thead>
<tbody>
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</tr>
<tr>
<td>Edinburgh Univ. Lib</td>
<td>2106</td>
<td>complete</td>
</tr>
<tr>
<td>VADS Adam</td>
<td>13</td>
<td>complete</td>
</tr>
<tr>
<td>PictureAustralia</td>
<td>848</td>
<td>complete</td>
</tr>
</tbody>
</table>
Digital Library Resources as Learning Objects

SCORM:

(Shareable Content Object Reference Model)

• Asset – Learning content in its most basic form.

• Shareable Content Object (SCO) – A collection of one or more assets, that can be accessed by topic or curriculum outcome.

• Content Aggregation – A series of aggregations, SCOs and assets to be presented to the learner.

The Shareable Content Object Reference Model of the Advanced Distance Learning (ADL) group www.adlnet.org/scorm
RAID: An Object should be

- **Reusable** – can be modified and used in many different learning situations.
- **Accessible** – can be indexed and found as needed.
- **Interoperable** – operates across a wide variety of hardware, learning environments and tools.
- **Durable** – does not require modification as versions of system software, players and plug-ins change.
Re-usable Content
Accessible Content

IEEE Learning

Object

Metadata
Curriculum Navigator

The Curriculum Navigator is the fast way for teachers to find SCoran resources on specific subjects in the UK curricula, be it the Scottish Curriculum or the National Curriculum for England.

The Curriculum Navigator contains resource packs on many different subjects and is constantly being updated. Keep checking the School News section for information on new additions to the Curriculum tree.

Click here to find all Items

Find Items: [ ] go

Click the Curriculum Folders below to navigate the tree:

- Top
- A. Scottish Curriculum (702 Items)
- B. National Curriculum (England) (643 Items)
Interoperable Content: IMS Content Packaging Best Practice Guide
Packaging Content from Multiple Repositories

Teacher

NLN
Local Authority
Local School
NGfL Scotland
SCRAN
Interoperable Content:
Tools to Create New Learning Objects
From SCRAN and other Resources
Into the Walled Garden...

- Resources on SC Ran are protected from piracy
- SC Ran assets can be freely re-used in all licensed institutional institutions
- Educationalists are encouraged to contribute learning objects built from SC Ran assets
- Funding is available to encourage best practice in the creation and contribution of further learning content
E-Learning and Digital Libraries: a Business Case

- Digital Preservation implies substantial ongoing costs
- The most likely source of future revenue to meet these costs is Educational Licensing
- Licensed resource services must fulfill the evolving needs of their customers
- Digital Library services like SCrán must therefore adapt to the standards and frameworks of Learning Object Repositories
New Kinds of Learning Resources

“I am beginning to realise that, from Primary through Secondary School and on to my first two years at University, I had almost become indoctrinated into believing History was something you learned exclusively from Books. This website has opened my eyes to some of the other possibilities”

History undergraduate, Dundee
Thank you!