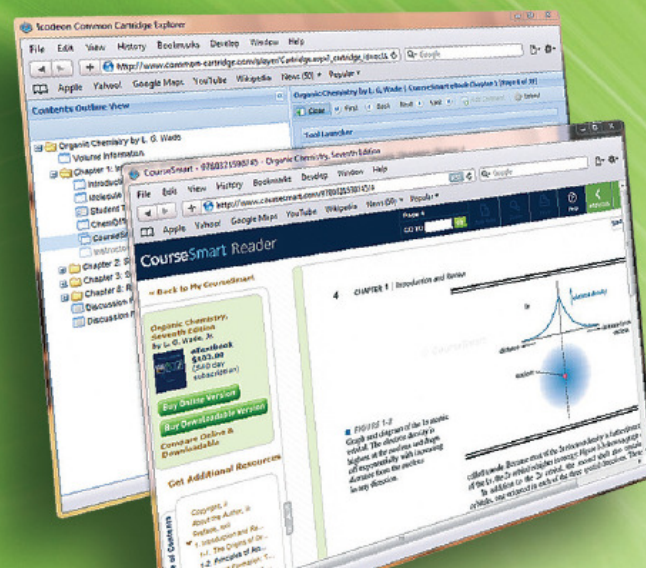


# Icodeon Technology for Packaged Content



## Developing Best Practices for Educational Content Standards

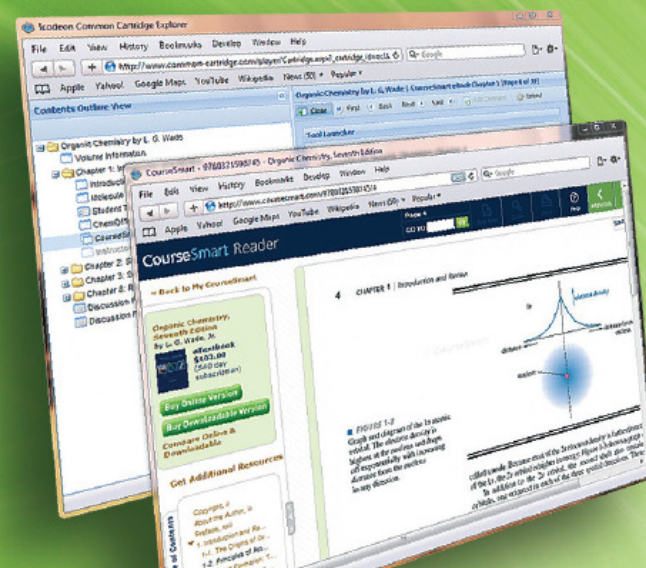
Warwick Bailey  
Icodeon Ltd

[warwick@icodeon.com](mailto:warwick@icodeon.com)



Icodeon

# Icodeon Technology for Packaged Content



Developing Best Practices for Educational  
**Packaged Content**  
Standards

... technical standards for  
**collections** of  
educational materials...



## Developing **Best Practices** for Educational Content Standards – **ASPECT Project**



ADL SCORM  
*content packaging standard*



Educational content standard designed for a **self-paced training style**

IMS Common Cartridge  
*content packaging standard*



Educational content standard designed for a **blended learning style**

# Developing **Best Practices** for Educational Content Standards— **ASPECT Project**



ADL SCORM  
*content packaging standard*



Designed for a self-paced training style

IMS Common Cartridge  
*content packaging standard*



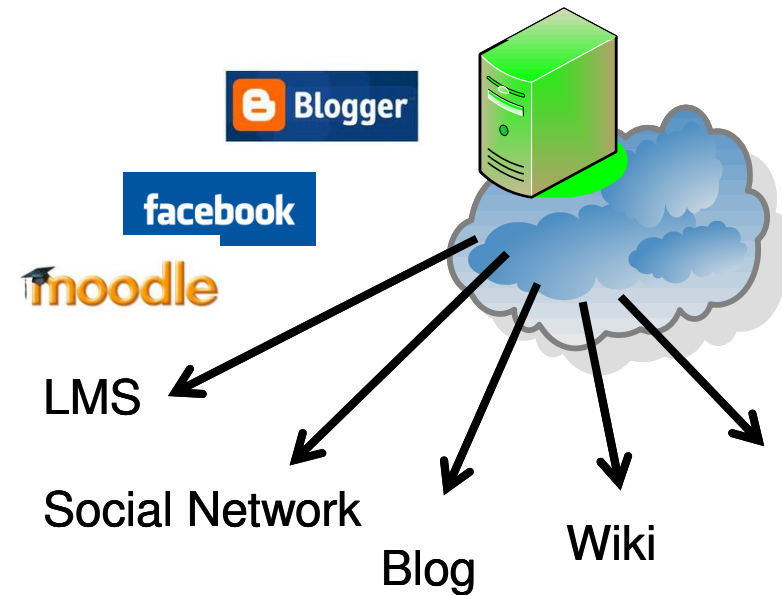
Designed for a **blended learning** style

# Blended Learning using IMS Common Cartridge and Icodeon technology

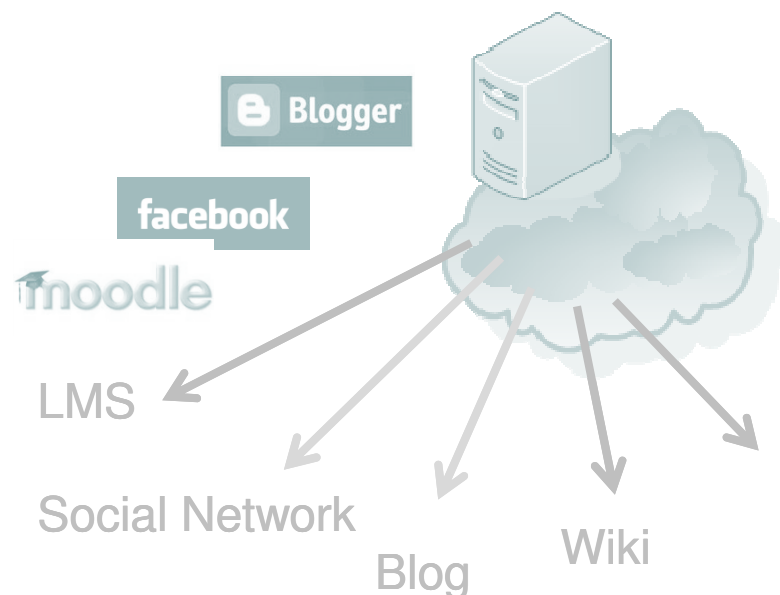


...combining the use of digital resources with traditional classroom pedagogies...

...re-mixing of selected digital resources into common web environments...



# Re-mixing content using IMS Common Cartridge and Icodeon technology



...re-mixing of selected digital resources into common web environments...

Examples of blending / re-mixing...

1. Open Educational Resources
2. Assessments
3. Secure Apps

... using IMS Common Cartridge and Icodeon technology into...

... **LMS, blogs and social networks...**

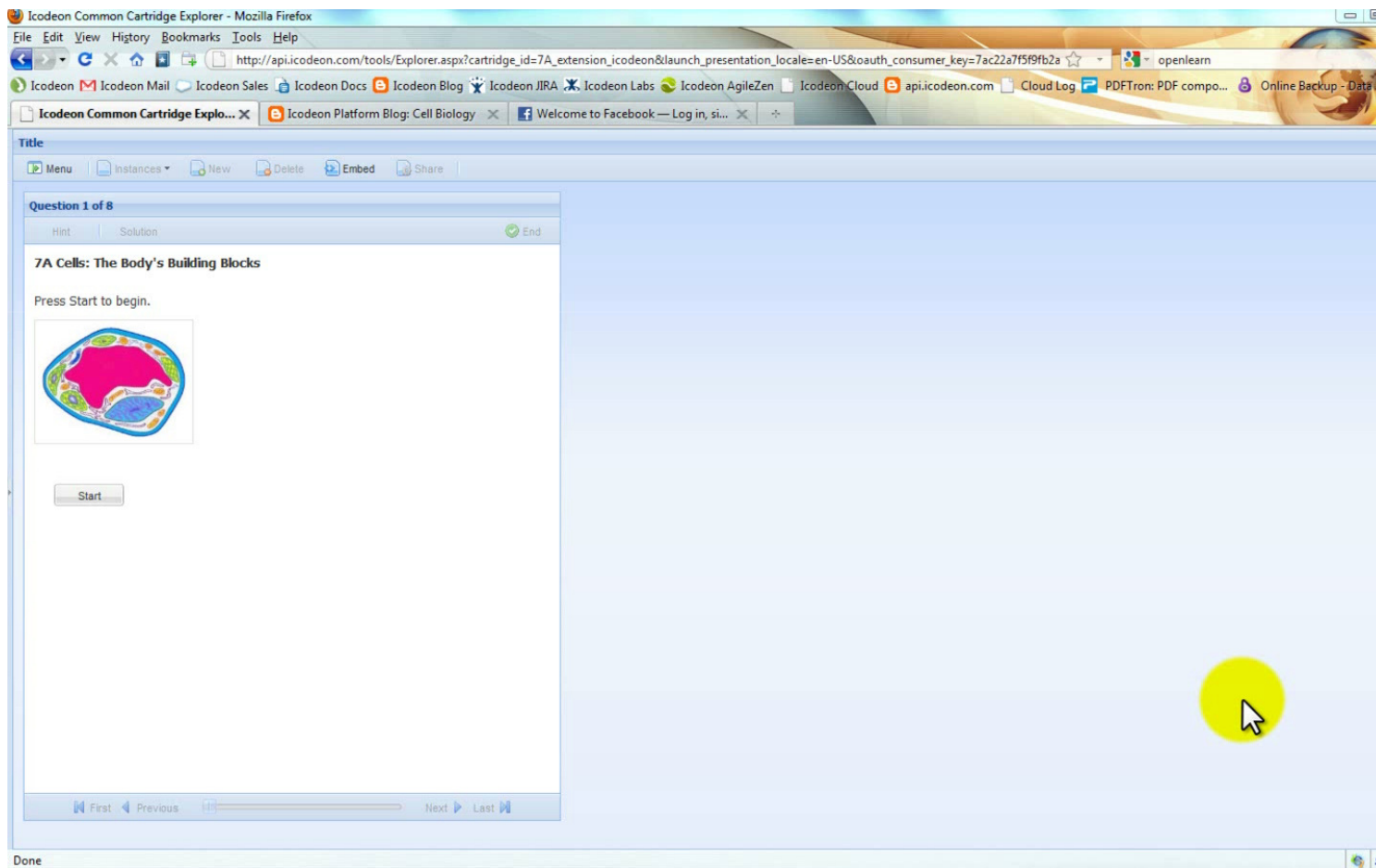


# 1. Re-mixing an Open Educational Resource with **LMS**, **Blog** and **Social Network** using IMS Common Cartridge and Icodeon technology



The screenshot shows a web browser window displaying the OpenLearn LearningSpace interface. The browser's address bar shows the URL <http://openlearn.open.ac.uk/course/view.php?id=1646>. The page title is "Evolution through natural selection - OpenLearn - The Open University - Mozilla Firefox". The interface includes a navigation bar with links like "Listen to this page", "Accessibility", "Sign in", and "Contact us". The main content area features a portrait of Charles Darwin and the unit title "Evolution through natural selection". The left sidebar contains sections for "Learning Tools" (Using Learning Tools, FM Live Communication, FlashVlog, Knowledge Maps, Learning Journals, Learning Clubs, Unit forum), "Rate and Review" (View reviews, Give a rating), "Alternative Formats" (Print, Unit Content RSS, Download this unit), and "Tags" (Unit tags: Adaptation, Charles\_Darwin, Darwin, descent, Evolution, Inheritance). The right sidebar includes "Sign In" options (Sign in, Register, Why register?, Where is the sign in form?), "Related educational resources" (Open University links, OpenLearn links, OpenLearners also studied), and "Other sites" (See other resources). A yellow circle with a mouse cursor is visible in the bottom right corner of the page.

## 2. Re-mixing an assessment with **LMS**, **Blog** and **Social Network** using IMS Common Cartridge and Icodeon technology





### 3. Re-mixing a secure app with **LMS** and **Blog** and using IMS Common Cartridge and Icodeon technology



**Icodeon Platform Blog: Organic Chemistry** - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://ccplatform.blogspot.com/2009/11/organic-chemistry.html

Icodeon Icodeon Mail Icodeon Sales Icodeon Docs Icodeon Blog Icodeon JIRA Icodeon Labs Icodeon AgileZen Icodeon Cloud api.icodeon.com Cloud Log PDFTron: PDF compo... Online Backup - Data...

**Tuesday, 3 November 2009**

**Organic Chemistry**

~ Demonstration Page using content deployed to Icodeon Common Cartridge Platform ~

**An Introduction to College Organic Chemistry with Integrated eBook**

The modern definition of organic chemistry is the chemistry of carbon compounds. The term organic literally means "derived from living organisms."

Originally, organic chemistry was limited to the study of compounds from living organisms.

But now, chemists have learned to make millions of original compounds, plus synthetic versions of many organic compounds that are identical with the "natural" compounds.

You can review the basics of Organic Chemistry with the "Chem Guy" in the video below.

**Organic Chemistry 1**  
by bannaniscoll

Formula Structural Formula Line Diagrams

Chem Guy

**Icodeon Platform Blog**

**Icodeon**

**What is the Icodeon Platform?**

A software toolkit for building online education tools and websites. Technically, the Icodeon Platform is a RESTful Web API for educational content packages, such as IMS Common Cartridge.

[\(Learn more\)](#)

**What is Common Cartridge?**

Common Cartridge is a technical specification that distills state-of-the-art practice in online education and training.

[\(Learn more\)](#)

**How does the Platform work?**

Educational publishers create content and package the resources into "cartridges".

The Icodeon Platform assigns a unique "address" (a URL) to each resource in a content package - every page, link, question, tool launch, discussion comment - so that each resource can be linked into web pages, blogs, wikis and social networking sites.

[\(Learn more\)](#)

[Download the flyer](#)

**API Documentation**

- [Home](#)
- [Platform API Documentation](#)
- [Cartridge API Documentation](#)

Transferring data from v19.lscache1.c.youtube.com...

# Blended Learning ...



...combining the use of digital resources with traditional classroom pedagogies

...re-mixing of selected digital resources with common web environments

1000 classrooms, 12 EU member states – taking blended learning to scale...

**iTec Project 2010-2014**



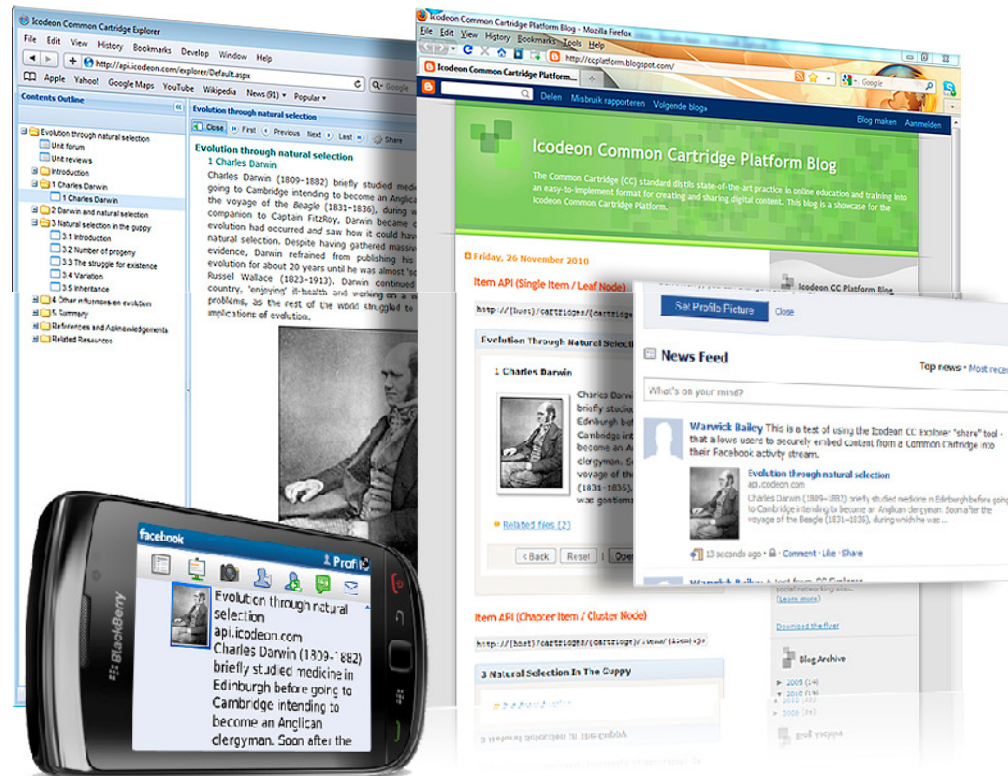
# Developing Best Practices for Educational Content Standards



*Thank you*

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<http://ccplatform.blogspot.com>





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Cambridge  
London  
Harlow

Icodeon Ltd: Providing technology for **ADL SCORM**  
and **IMS Common Cartridge** packaged content.