

Richard Jones - Samples of work:

Java programming course in development

You are welcome to register at <http://ib-computing.net/> - I have a Moodle site there and a few courses including this one. Some are open to guests and I can give you a demo or an enrolment key for the Java programming workshop.







Front page of Net Moodle site

My design/theme (icons by Julian Ridden – Moodleman).

The screenshot shows the front page of the IB Computing Net Moodle site. The header features the site logo 'IB Computing Net' with the copyright notice '(c) 2009 Richard Jones & Andrew Moyenn'. Navigation links include 'home', 'register', and 'course index'. A user is logged in as 'Admin User' with a 'Logout' link and a language dropdown set to 'English (en)'. A 'Turn editing on' button is visible. The main content area is titled 'Welcome to IB Computing Interactive' and contains a welcome message, information about course access, and a 'register' requirement. Below this is a 'Course categories' section with four items: 'teacher workshops', 'student support', 'about books', and 'ict courses', each with a brief description. On the left, there is a 'Site Administration' menu with various options like 'Notifications', 'Users', 'Courses', etc. On the right, there is a 'Login problems?' notice and an 'Online Users' section showing 'Admin User' is online.

Sample courses

New Mexico is an attempt at a blended approach, the workshop is f2f but I hope to involve participants ahead of time and to spin off a support group afterwards.

 Java Programming Workshop	This course is aimed at: <ul style="list-style-type: none">Computer teachers wishing to update their knowledge of object oriented terminology and techniques in an event-driven and graphical environment.Teachers who are considering a career change involving computer programming.Non-computing teachers who would like to know what computer programming is.
 New Mexico July 2009	This is the support page for participants at the IBO Summer Workshops at UWC of the American West, Montezuma, New Mexico. Dates are July 27th - 31st.
 Moodle Workshops	backups of workshops
 Introduction to Online Education	Demonstration course giving an introduction to some aspects of using Moodle and some aspects of instructional design in the online environment.
 Staff training - Learning to use eXe, the eLearning Editor	This course is designed to help educators learn to use eXe - an open source eLearning editor developed with an open user group. It is very easy to produce web-based content with this tool and export it as html or standards-compliant learning objects such as SCORM and IMS. These can be imported to many Course Management Systems, eg Moodle.
 About Workshops	Information about our online workshops.

Java Programming workshop

I can give you an enrolment key for this one if you want to look around. Starts June 15th.

The screenshot shows a Moodle course page for 'Java Programming Workshop'. The page is titled 'Welcome to the Java Programming Workshop' and includes a 'Weekly outline' section. The 'Weekly outline' section is dated '15 June - 21 June' and contains a 'Week 1' section. The 'Week 1' section includes a paragraph of text, a quote by Hyman Rickover, and a list of resources: 'Week 1 forum', 'Glossary of Java programming terms', and 'Resources for week 1'. Below the resources, there is a section for 'Mandatory assignments and optional additional exercises for week 1', which includes 'Assignment 1' and an 'Overview' link. The page also features a 'People' section with a 'Participants' link, a 'Search Forums' section with a search box and 'Go' button, an 'Administration' section with various links like 'Turn editing on', 'Settings', 'Assign roles', 'Grades', 'Groups', 'Backup', 'Restore', 'Import', 'Reset', 'Reports', 'Questions', 'Files', and 'Profile', and a 'Course categories' section. On the right side, there are 'Upcoming Events' and 'Online Users' sections. The 'Upcoming Events' section shows 'Assignment 1' on 'Friday, 19 June' with links to 'Go to calendar...' and 'New Event...'. The 'Online Users' section shows 'Admin User' who has been online for '(last 5 minutes)'. The top of the page has a navigation bar with 'Site links: home register course index', a 'Google Custom Search' box, and a 'Switch role to...' dropdown menu.

Icebreaker example

The icebreaker will feature "electronic interviews" in which participants must pose questions in the wiki for each other to elicit personal and professional information.

It will also have an expectations page where I can gather what the participants think the course will teach them (always nice to know this up front).

Icebreaker wiki

On this page:

- What's a wiki?
- How to use Moodle wiki?
- Uploading pictures
- Just take me to the [introductions page](#), thanks.
- I want to state my [expectations](#) for the course please.

What's a wiki

These are in increasingly common use so you've probably come across at least one. They are edited by all users/contributors using a simplified markup language (next section)

How to use Moodle Wiki

Visual resources such as screencasts and a video intro to me. Posted in various qualities for different bandwidths and systems.

Resources for week 1

Name	Size	Modified
CreateClassCity.avi.filepart	61.9MB	9 June 2009, 03:25 AM
CreateClassCity.f4v	144.9MB	7 June 2009, 01:16 AM
CreateClassCity.mp4	6.5MB	8 June 2009, 03:42 PM
MorePeopleDemo.swf	29.3KB	8 June 2009, 04:59 PM
VideoIntroRichard.mp4	4.9MB	8 June 2009, 05:19 PM
Workbench_2.f4v	75.9MB	7 June 2009, 01:34 AM
Workbench_2.mp4	8MB	8 June 2009, 03:43 PM

Flash demo of Java code being executed...

I told you my Flash skills were intermediate only. The text changes colour at each frame to illustrate various point and the class diagrams pop out of the code at an opportune moment.

MorePeople Class

```
public class MorePeople
{
    public static void main(String[] args)
    {
        // Create two Person instances:
        Person myPerson = new Person("Richard");
        Person anotherPerson = new Person("Huang");
        String name1 = myPerson.getName();
        String name2 = anotherPerson.getName();
        // output a message
        System.out.println(name1 + " says hello to " + name2);
    }
}
```

The instance myPerson calls the getName method of the Person class.

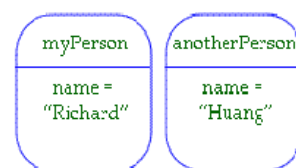
Notice it does not have a parameter.



Person Class

```
public class Person // class
{
    private String name; // instance variable
    public Person(String newName) // Constructor
    {
        setName(newName);
    }
    public String getName(){ return name; } // Method
    public void setName(String newName) // Method
    {
        name = newName;
    }
}
```

The getName method has no parameters but it does return a data item, therefore it has a return statement and a return type.



Moodle NZ Net

It has been my intention to further develop this site with workshops (probably initially free) and to build a client base for Moodle training and course development.

The screenshot shows the Moodle NZ Net website. At the top left is the logo "Moodle NZ Net" with a lightning bolt icon. To its right is a search bar with "Google Custom Search" and a "Search" button. Further right, it says "You are not logged in. (Login)" and "English (en)". Below the header is a navigation bar with "Site links: Home | privacy | terms | about | contact".

The main content area is titled "Moodle NZ" and includes a login form with fields for "Username" (mdnzadmi) and "Password" (masked with dots), a "Login" button, and links for "Create new account" and "Lost password?". To the right of the login form is a photograph of two women looking at a laptop.

The main text under "Moodle NZ" states: "is designed with the busy, practising teacher or lecturer in mind. Here you can find:" followed by a bulleted list: "guidance on using Moodle to extend the classroom or lecture theatre", "hints and tips on building engaging eLearning courses", and "technical help for beginning developers". Below this is the section "Today's Educators" which says they are increasingly engaging with technology to deliver personalised 24/7 learning. It also mentions Moodle is the LMS of choice for many New Zealand institutions.

On the left side, there are several widgets: "Important" with a note about the site's status, "Course categories" listing "Teacher training", "Demonstration", and "ICT courses", and "For moodle.org recognised Moodle development and training" with links to "Catalyst" and "HRDNZ".

On the right side, there are widgets for "Site design" (crediting Richard Jones and Julien Ridden), a "Calendar" for June 2009, and "Recent Activity" showing a login on Sunday, 7 June 2009.

Very much at the concept stage but has potential. I based this theme on Julien Ridden again but took out his tables and implemented css divs instead. The menu bar is mine, the css and the logo/headings. I'm not the world's greatest graphic designer but I think it works OK.

Assessment examples

These are typical online activities we do in the computing workshops:

The screenshot shows a Moodle course page for the period "9 March - 15 March". The main heading is "Week 4 Extended Essay, Case Study, TOK and cross-cultural aspects of the programme." with an "Estimated completion time: About 10 hours".

The text describes "Activity 9" which involves evaluating potential essay titles. It provides links to "Readings and resources for Week 4", "Extended Essay/Case Study Forum", "Activity 9 Extended essay titles for evaluation (5%)", and "Activity 10 - Extended essay proposal (5%)".

Below this, it discusses "Activity 11" (Construct a set of questions (5%)) and "Activity 12" (Describe a teaching activity (5%)).

The page concludes with a note: "Promoting open-mindedness, Cross-cultural issues and Theory of Knowledge. These are optional readings; please post any questions regarding these to the Week 4 forum."

Sample activity descriptions

[View 5 submissions](#)

First read the Extended Essay document in the readings and resources folder and familiarize yourself with the Extended Essay Guidelines from IBO (at least scan through them, anyway).

The link EEtitles is a pdf file of potential titles for an extended essay. You should evaluate each one for suitability applying the guidelines given in the readings. The titles have also been cut and pasted into the first forum post for your convenience.

[IBcompnet](#) ▶ [IBCS_WKS](#) ▶ [Assignments](#) ▶ [Activity 10 - Extended essay proposal \(5%\)](#)

[Update this Assignment](#)

[View 5 submitted assignments](#)

Using the Proposal form in the Week 4 readings and resources folder (or any other way you wish) propose an idea for the **extended essay in computer science** and post to the forum.

Read at least two other essay proposals and make a **comment** on them.

Obviously I have done a lot of assessment design activity for schools (I like to use scenarios and rubrics) and was on the teaching and learning Committee at Dulwich Beijing where we designed lesson and assessment criteria – examples of good practice.

JonesNZ

Strictly amateur night but it will give you some further feel for me and my work (the photos are rollover links with fly out sub-menus - nice!):



Home of the Jones family in New Zealand



Community



Photos



Web design



About me



Welcome

To this site which is the home of the Jones Family in New Zealand (or one of them anyway).

I hope you like the design and content here, the image links on the left will take you to other pages.

Community

The [Community](#) link takes you into our Content Management System where family and friends can contribute articles, pictures and other items of interest. Powered by Drupal 6.

Photography

There are quite a few photo albums to view here which you will find described and linked from the [photographs page](#).

Web design

Hope you like this page, it's my first serious attempt to harness the power of css; thanks are due to those wonderful people at [Project Seven](#). We can do web design for you too.

About Me

Some of the things I've done to [earn a living](#). Only the good ones though.

Hope you enjoy.

Richard Jones
Karapiro Village
January 2009