

Learning on Demand

NBN's Emerging Revolution



Housekeeping

- **Emergency Exits**
- **Toilets**
- **Water at back of room, mints, (pens, writing paper?)**
- **Please switch your phone to silent mode**
- **All presentations at QUESTnet will be available in pdf and video formats after the conference on the QUESTnet web site**





The Hutchins School

- K-12 Anglican Boys School
- Situated in Hobart, Tasmania
- Established 1846
- Approximately 1100 students



Why are we here today?

- April 2009, The Hutchins School became the first school in Tasmania to become an AARNET customer

» www.aarnet.edu.au



- 1GB fibre backbone to neighbouring University of Tasmania
- We have gone from speeds as low as 294K on ADSL2 to speeds (on our client computers) of over 107MB with AARNET



How have we used our connection?

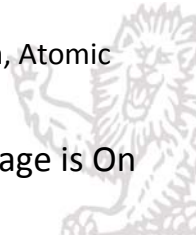
- Management:
 - General internet usage – quotas (we don't have any!)
 - Restrictions – users throttled to 64K after 100MB file size download, no .exe's, mp3's etc (we can override)
 - Acceptable Usage Policy (AUP)*
Yes, POLICY – do not fall asleep yet!

How have we used our connection?

- Management:
 - Culture: started with AUP, expectation that staff will discourage time-wasting, usage reporting facility on firewall – we allow YouTube and similar whilst AUP respected
 - Cyber Safety: presentations by experts Greg Gebhardt & Sue McLean, cyber safety sites promoted, investigating BuddE
 - Copyright awareness: smart-copying site, Turn-It-In
 - Security: firewall, antivirus, spam server

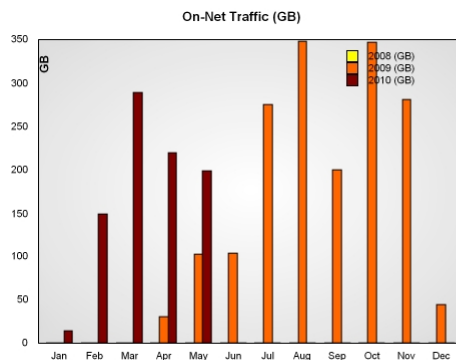
How have we used our connection?

- Benefits:
 - Streaming media now possible: podcasts, internet radio, video content
 - YouTube, TeacherTube, ABC iView, Lynda.com, Atomic Learning and others.
 - On Net Traffic: over half of our internet usage is On Net

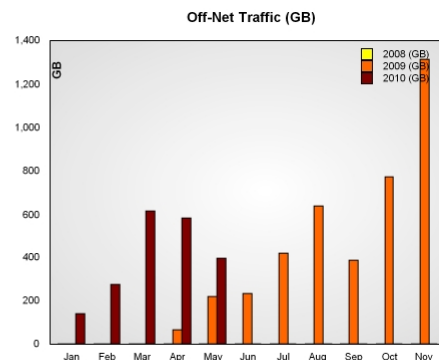


Traffic

On Net



Off Net



http://www.akamai.com/html/customers/customer_list.html

AKAMAI

http://www.akamai.com/html/customers/customer_list.html

How have we used our connection?

- Benefits:
 - High Definition Video Conferencing
 - Examples:
 - [Polarpalooza](#) – Junior school students in polar science presentation with about 16 schools and 6 scientists
 - Questacon – Years 5 & 6 and Illusions interactive lesson
 - [Scientists in Schools](#) - Year 8's & Barrier Reef scientist

High Definition Video Conferencing

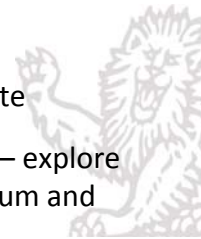
Example: Connecting Year 8 Science Class with Marine Scientists in Townsville, QLD



Note: this recording was made in standard definition, actual quality in conference full high definition.

The Near Future: How we will use our AARNET connection?

- Steam – MMORPG game, environment and engine development, machinima
- Virtual Worlds:
 - Exploring possibility of a Second Life school site
 - Existing virtual world sites, e.g., [Heritage Key](#) – explore virtual world of King Tut's tomb, virtual museum and archaeological sites



Second Life | What Is Second Life? | World Map | Shopping | Buy Land | Community | Help | **Join Now >>**
It's fast, free and easy!

Categories

- Chat Hot Spots (19)
- Featured Events (18)
- Editors' Picks (23)
- Popular Places (16)
- Newcomer Friendly (24)
- Art (68)
- Business (15)
- Education & Nonprofits (75)
- Fashion & Style (221)
 - Animations (11)
 - Appearance (48)
 - Clothing (83)
 - Gadgets (18)
 - Home & Garden (46)
 - Shoes (8)
 - Wedding (7)
- Help & How To (37)
- Linden Prize (10)
- Miscellaneous (113)
- Music (85)
 - Bars & Pubs (6)
 - Country & Folk (2)
 - Electronic & Dance (29)
 - Hip-Hop, R&B & Reggae (3)
 - Indie & Alternative (8)
 - Jazz & Blues (15)

Education & Nonprofits
Destination Guide > Education & Nonprofits

<http://secondlife.com/destinations/learning>

Cystic Fibrosis University **NEW** [Visit this Location](#)

Presented by the Boomer Esiason Foundation, this region aims to educate the general public about cystic fibrosis, provides valuable resources to sufferers, and is a fun place to relax and socialize with the CF community.

[Like](#) Be the first of your friends to like this.

[Share](#) | [f](#) [t](#) [e](#)

Cornwall College Island [Visit this Location](#)

Surf, hang glide, windsurf and jet-ski at Cornwall College Island, which also offers a range of higher education courses and a glimpse of the geology, geography, architecture and culture of Cornwall, UK.

[Like](#) 2 people like this. Be the first of your friends.

[Share](#) | [f](#) [t](#) [e](#)

DePaul University, College of CDM [Visit this Location](#)

Come see what the students at DePaul's College of Computing

Slide 13

mrl2 If can get working then will show video and/or still images of a virtual world tour of King Tut or Egypt in 1920's - even a Second Life museum - historical site
Matt Ralph, 11/06/2010

Slide 14

mrl3 If can get working then will show video and/or still images of a virtual world tour of King Tut or Egypt in 1920's
Matt Ralph, 10/06/2010

Learning on Demand

- We have sufficient video and audio on-demand resources now
- We have Intranet & Content Management Systems (CMS)
- Whilst Hutchins has not yet deployed one, some educational institutions are investing in Learning Management Systems (LMS)
- Increasingly, the LMS will integrate with CMS and rich media

Video of Trinity learning to fly a helicopter
in t minus 15 seconds (from the motion
picture The Matrix)

Learning on Demand – LMS's

- LMS: Moodle, Elluminate, EduKite, Scholaris (now defunct?), Thesis, SharePoint Learning Kit
- As SharePoint is already our Intranet, CMS and File Server, we are exploring LMS's that integrate with this
- Additionally, due to the huge time commitment needed to make an LMS work, we don't want to spend a heap of money
- SharePoint Learning Kit (SLK) available free from <http://www.codeplex.com> (needs SharePoint, an add-on to it)

SharePoint Learning Kit



Logged on here with an
Instructor Account

Welcome Visitor

All Sites

Advanced Search

Home > Programs > eLearning > SharePoint Learning Kit Test

A site for testing SharePoint Learning Kit - SharePoint's cut-down equivalent of Learning Management Systems like Moodle

My Assignments

	Site	Assignment	Due	Submitted
Active 6	SharePoint Learning Kit Test	Captive Test	--	0/1
Ready to Grade 1	SharePoint Learning Kit Test	Cross Subject Test	--	0/1
Overdue 1	SharePoint Learning Kit Test	Literature Test 1	--	0/1
Due Today 0	SharePoint Learning Kit Test	Test Title	--	0/1
Due This Week 0	SharePoint Learning Kit Test	The Basics of Solitaire	--	0/1
Due Next Week 0	SharePoint Learning Kit Test	Big Test - Don't Stuff It Up	10/05/2010	2/3
Returned 4				
All Assignments 10				

SharePoint Learning Kit



Welcome Visitor ▾

All Sites

Type	Name	Modified	Modified By	Approval Status
Folder	addition	22/04/2010 12:51	Postmaster	Approved
Folder	Big_Test	7/05/2010 16:14	Visitor	Approved
Folder	captivate_test_7-5-10	7/05/2010 15:36	Visitor	Approved
Folder	captivate-test1	23/04/2010 15:38	Visitor	Approved
Folder	English_101_Test_1	23/04/2010 12:38	Visitor	Approved
Folder	englishTest	23/04/2010 13:15	Visitor	Approved
Folder	lit_test_1	28/04/2010 11:09	Visitor	Approved
Folder	multiplication_test_2	22/04/2010 15:05	Visitor	Pending
Folder	multiplication_test_4	23/04/2010 9:25	Visitor	Approved
Folder	multiplicationYear3	22/04/2010 14:05	Postmaster	Approved
Folder	S0361	22/04/2010 10:16	Postmaster	Approved
Folder	Solitaire	20/04/2010 15:07	Matt Ralph	Approved
Folder	variety-quiz-1	26/04/2010 10:15	Visitor	Approved

View Properties
 Edit Properties
 Delete
 Send To
 Approve/reject
 Check Out
 Version History
 Workflows
 Alert Me
 E-Learning Actions

Create an Assignment

This page helps you create an assignment and deliver it to learners. You can specify properties of your assignment such as start date, due date, and instructions to the learner, and then choose who to distribute the assignment to.

Specify Assignment Properties

Enter the title and description of the assignment, start and due dates, and the number of points possible for the assignment. You can also specify whether learner assignments will automatically be returned, and whether learners can see the correct answers when they review the assignment.

Title	English 101 Test 1		
Description	Default		
Points	100	points possible	
Start	6/10/2010	00:00	
Due		00:00	
☐ Automatically return learner assignments when they are submitted. ☐ Show learners the correct answers to autograded questions when the assignment is final (Class Server learning resources only)			

Distribute the Assignment

Choose instructors and learners for the assignment.

SharePoint Site	SharePoint Learning Kit Test	
Instructors Instructors can grade, edit and change users for the assignment.	☐ Ian MacRae ☐ Ian MacRae ☐ Matt Ralph ☐ Postmaster ☒ Visitor	
Learners Learners can launch and interact with the assignment, and will be listed in the grading view.	Groups: ☐ All Learners ☐ SLK Guinea Pigs Group	Learners: ☐ Andrew Robinson ☐ Ian MacRae ☐ Jill Abell

SharePoint Learning Kit



Logged on here with a
Learner Account

Welcome Year 2S ▾

All Sites ▾

Home > Programs > eLearning > SharePoint Learning Kit Test

A site for testing SharePoint Learning Kit - SharePoint's cut-down equivalent of Learning Management Systems like Moodle

My Assignments

To Do	Site	Assignment	Due	Status	Score
Overdue 0	SharePoint Learning Kit Test	English 101 Test 1	--	Not Started	--/100
Due Today 0	SharePoint Learning Kit Test	Test Title	--	In Progress	--/100
Due This Week 0	SharePoint Learning Kit Test	Captivate Test	--	In Progress	--/100
Due Next Week 0	SharePoint Learning Kit Test	Literature Test 1	--	In Progress	--/100
Returned 4	SharePoint Learning Kit Test	Cross Subject Test	--	In Progress	--
All Assignments 11	SharePoint Learning Kit Test	The Basics of Solitaire	--	In Progress	--/100

SharePoint Learning Kit

Home > SharePoint Learning Kit Test



SharePoint Learning Kit Test

Home News Community ▾ ELC ▾ Library ▾ Houses ▾ **Programs ▾** Submissions

Home > Programs > eLearning > SharePoint Learning Kit Test > Assignment

Review Assignment

Use this page to complete and submit your assignment.

The Basics of Solitaire

This course teaches the basics of solitaire and how to play two of the most popular versions of the game, Canfield and Klondike solitaire.

Site	SharePoint Learning Kit Test
Score	100/100
Status	Final
Start	Monday, 26 April 2010, 12:00 AM
Due	Wednesday, 28 April 2010, 4:00 PM
Comments	Well done, keep up the good work

Teacher comment on a completed assignment

SharePoint Learning Kit

Demo of student completing an assignment:

<http://apollo.hutchins.tas.edu.au/otherPrograms/elearning/slctest/>



Learning on Demand

Infrastructure

- High-speed connection (including decent outgoing speed)***
- Intranet Portal, CMS & LMS and supporting technologies

Content

- LMS content creation package, e.g., Adobe Captivate
- Curriculum, rich media tools, screen capture tools (many free)
- Time and training resources for enthusiastic, visionary staff



Learning on Demand - Pie in the sky?

The screenshot shows the HUTCHINS CENTRAL SharePoint site. The left sidebar contains links for Home, News, Community, Staff, ELC, Junior School, Middle School, Senior School, Library, Houses, Programs, Private Documents, Submitted, and Site Actions. The main content area displays a 'My Assignments' table with columns for To Do, Site, Assignment, Due, Status, and Score.

To Do	Site	Assignment	Due	Status	Score
7	SharePoint Learning Kit Test	Test Title	—	In Progress	—/100
Overdue 0	SharePoint Learning Kit Test	Certificate Test	—	In Progress	—/100
Due Today 0	SharePoint Learning Kit Test	Literature Test 1	—	In Progress	—/100
Due This Week 0	SharePoint Learning Kit Test	Cross Subject Test	—	In Progress	—
Due Next Week 0	SharePoint Learning Kit Test	The Basics of Solitaire	—	In Progress	—/100
Returned 4	SharePoint Learning Kit Test	English 101 Test 1	—	In Progress	—/100
All Assignments 12	SharePoint Learning Kit Test	English 101 Test 2	—	In Progress	—

A URL <http://www.lynda.com> is visible in the bottom left corner of the screenshot.

Learning on Demand

- We now have, or are getting, the infrastructure – AARNET, NBN, other providers/schemes
- Who is going to produce the content?
- Investment – horse and cart - content development *after* curriculum planning...
- Meanwhile, existing content being consumed, even some of our students are buying Lynda subscriptions