



## **Connecting:**

- People to People
- People to Content

# The Knowledge Community Education Framework



XEROX®

NEC



AZURN



Bill Lang  
INTERNATIONAL

macquarie**net**



## I'm too busy to sharpen my axe

eLearning Portals	Google, My Space, Wikipedia the web
Engaging large IT providers	Open source and inability of vendors to understand education
Interoperability and standards compliance	Cottage IT
Using Markbooks and testing	Outcomes, standards, strands and rubrics to take Curriculum to data
State based testing	Management by Exception, Data Sniffing, Real time data algorithms, Business process Monitoring (BPO) etc.
Single User Sign-on	Anyone to anyone to anything
Information portals	RSVP, blogs and Wikis
Data warehousing	XML, user self management
Reduce Legacy and scalability issues through SI	Distributed applications and standards
Web Blocking and security	Helping stakeholders deal with the issues

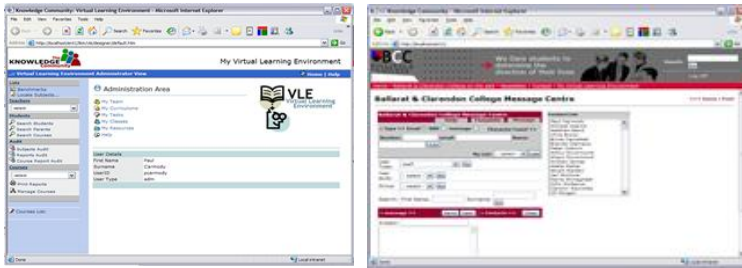
## The Knowledge Community:

- Is a secure web environment that empowers the communities around schools to access and use information in a transparent, robust and easy to use online application.
- It Connects people together in a wide range of forever changing self managing “Communities of Interest” through Profiling.



**The Knowledge Community Solution Framework is far more than a school Intranet or portal, it is a series of online enterprise tools built “with” schools to complete many functions in the education environment including, but beyond education.**

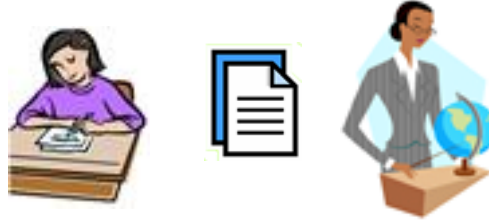
Where families, learning environments and education paradigms are constantly changing and evolving, the **Knowledge Community** links people within a secure framework of care and contact



The Knowledge Community creates the capacity for connectivity and community



One to One Learning is where only the teacher and student ever share the assessment



“When schools, families and community groups work together to support learning children tend to do better in school, stay in school longer, and like school more.”

eLearning is like a Library where we can find information but there is no capacity to challenge and modify our understanding



*“When schools engage families in ways that are linked to improving learning, students make greater gains. When schools build partnerships with families that respond to their concerns and honor their contributions, they are successful in sustaining connections that are aimed at improving student achievement. And when families and communities organize to hold poorly performing schools accountable, studies suggest that school districts make positive changes in policy, practice, and resources.”*

Information becomes Knowledge when we can share our experiences and modify our understanding based on real time interactions.



**Oregon State Government**

- An Online education Workflow Application with a profiling Engine to enable automated control
- A Curriculum and reporting modeling tool for fast and extensive application changes in any education environment
- A reporting and benchmarking tool enabling parents, students, teachers, administrators and government to understand, resource and apply strategies at their level of student engagement.
- A set of common web technologies such as Wikis, Blogs, and content management etc that can be deployed easily and without any requirement for user management.
- A modular framework for fast development and linkage to partner applications
- An extensive set of “Education Business” tools
- A marketplace for education products and services
- An advertising tool for generating revenue to the tightly profiled user
- Roll out and change management solution



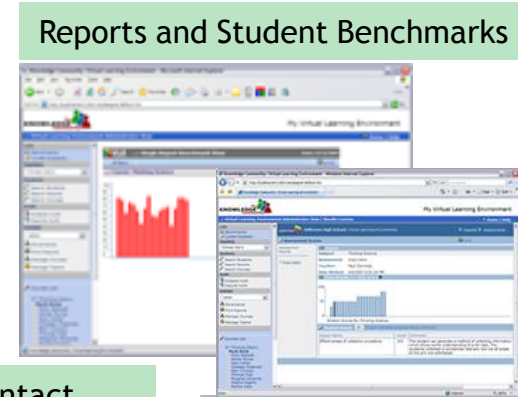
School Homepage



Secure User Homepage



Markbook



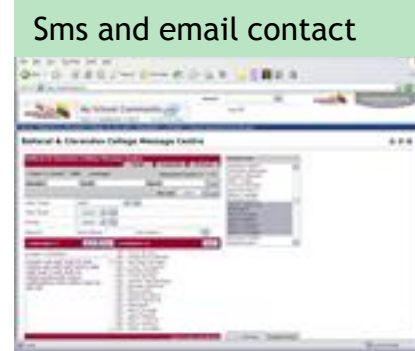
Reports and Student Benchmarks



Governance



ELearning



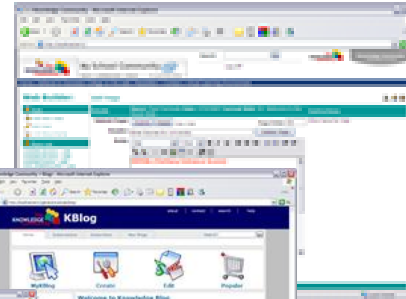
Sms and email contact



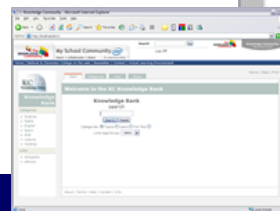
Workflow and management



Self Publishing and Digital Portfolios



Web Builders, Blogs and Wikis



and far more...



**For students**  
Connect, share, learn, participate



**For Parents**  
Get involved, keep in contact, understand



**For Teachers**  
Report, explain, manage, collaborate



**For Administrators**  
Vision, plan, understand, resource, investigate, improve budget



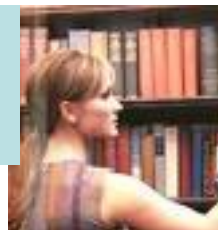
**For the school Community**  
Connect, belong, support, transact



**For IT Admin**  
Simple, robust, connect to existing solutions

**For eLearning Providers**  
Subscription libraries and tutoring

**For Publishers**  
Repositories, DRM, Market distribution, XML conversion



**Information Aggregators**  
Advertising, Revenue Sharing, Partnering



**For Application providers**  
Connect, share, learn, participate



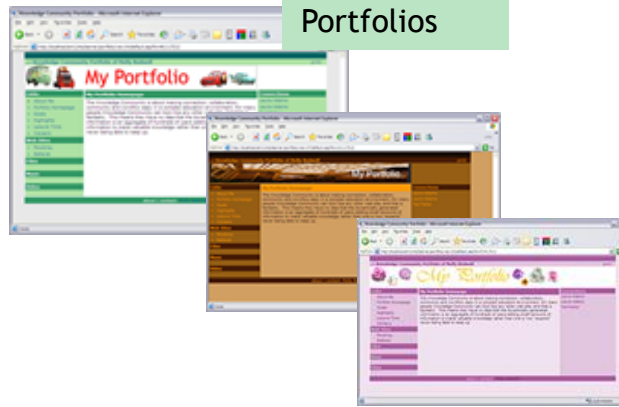
**Telecommunications**  
Mobile Recharge, Community Branding, VOIP, Services

**Data Services and Harware**  
Hosting, Increased usage, connection to the customer





**For students**  
Connect, share, learn,  
participate



Portfolios



Student Homepage



Timetable



Online Learning and collaboration



Links and bulletins



Reports



Self Publishing

The ability to  
communicate and  
collaborate 24/7



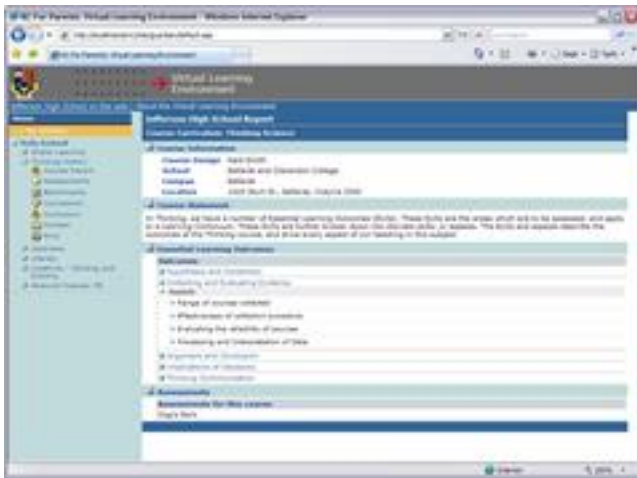
**For Parents**  
Get involved, keep in contact, understand



Parent Homepage



Messaging to children and teachers



Online Reporting and assessments



News and events



Student Planner access



Buy swap and sell  
Online Book Swap Shop  
Lost Property  
Parent Community Homepage

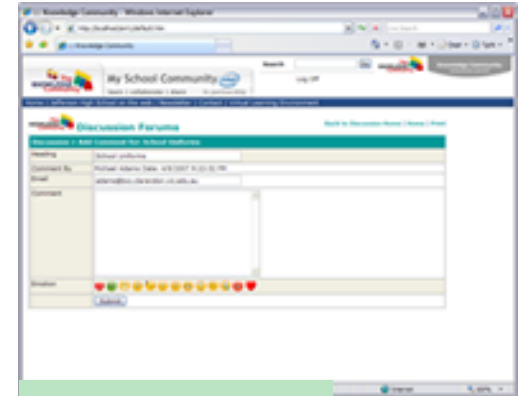
Talk directly to your children and their teachers



**For Teachers**  
Report, explain,  
manage, collaborate

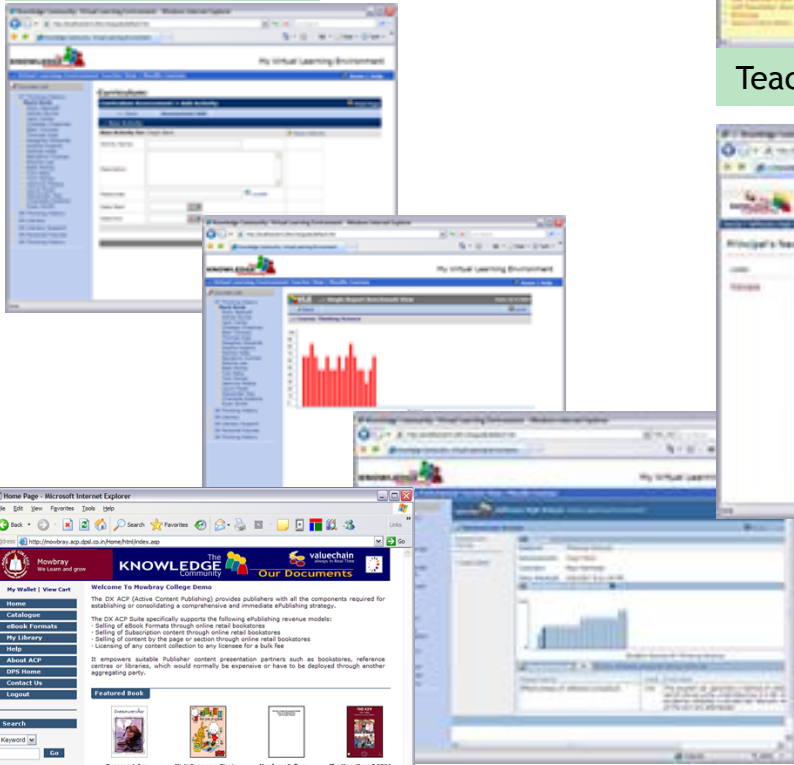


Teacher Homepage



Discussion Forums

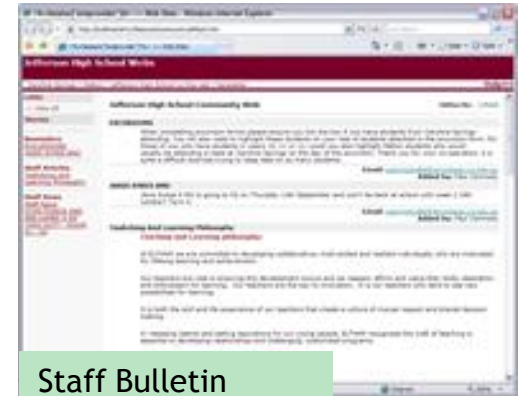
Online Reporting



eLearning Repositories and Search



Administration News



Staff Bulletin

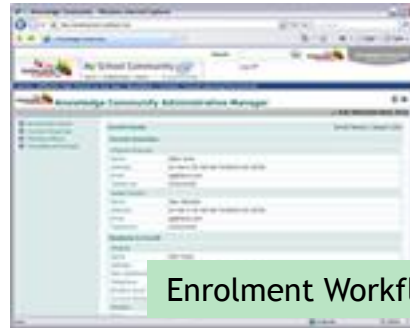


Class Homepages

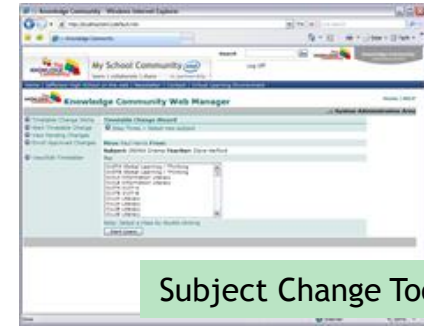




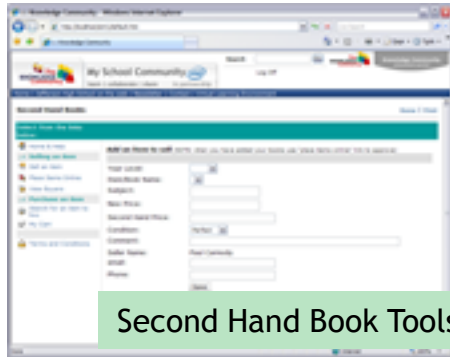
**For Administrators**  
 Vision, plan, understand,  
 resource, investigate,  
 improve budget



Enrolment Workflow



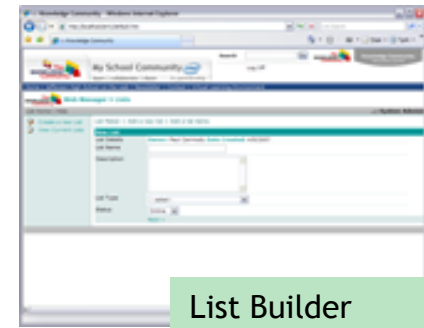
Subject Change Tools



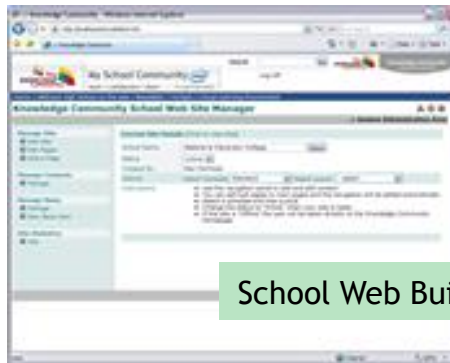
Second Hand Book Tools



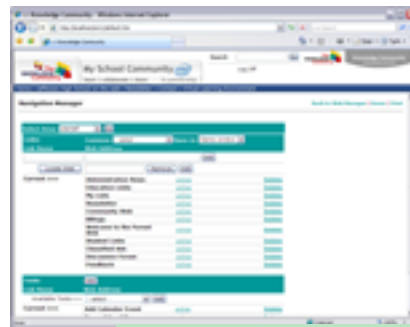
Community Builder



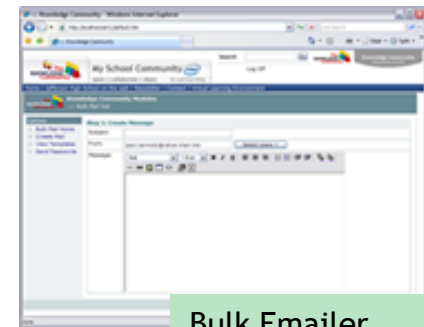
List Builder



School Web Builder

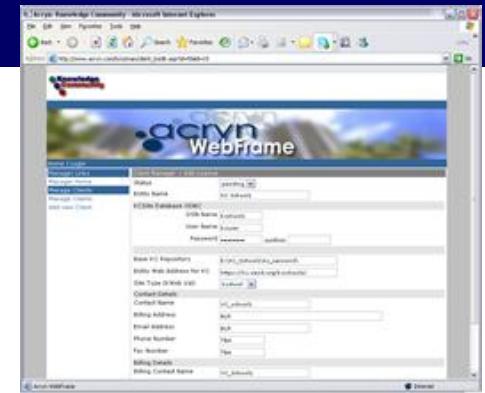


Navigation Builder



Bulk Emailer

# Extensible application deployment



Knowledge Community: Virtual Learning Environment - Microsoft Internet Explorer

Address: http://localhost:1927/fin/vle/designer/default.htm

### My Learning Space

Learn | collaborate | share

Virtual Learning Environment Administrator View | Middle Courses

Course: Year 5 Music

Student: Mackenzie Aasland

Message (Up/Email): 9/13/2008 12:24:53 PM by Paul Cassidy

Dashboard | Results | Core | Tests; Career Pathways | Student Report

Print

Student Dashboard

Student Details

Attendance | **OSAT Results** | Indicators

Name: Mackenzie Aasland  
 Address: 1 here st, Portland 1234  
 Email: maasland@mschool.com  
 Home: 1234  
 Mob: 1234

Guardians

Name: Janice Aasland  
 Address: 1 here st, Portland Oregon 1234  
 Email: jaasland@email.com  
 Ph: 1234567  
 Mob: 1234567  
 Work: 1234567

Name: MAGGIE AMADOR  
 Phone: 503 50... CELL  
 Mobile  
 Address: 902 MONMOUTH ST INDEPENDENCE OF USA 97351  
 Email

OSAT Results

Mackenzie Aasland: Comparison with the State Average

Subject	Mackenzie Aasland Meets	District Average	State Average
Mathematics	236	225	215
Reading Literature	243	233	227

Legend: Mackenzie Aasland Meets (Blue), District Average (Orange), State Average (Green)

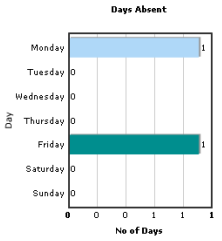
Attendance Detail Show Summary Show Reasons

Times Absent: 2		
Date	Reason	Type
10/22/2007 12:00:00 AM	EXCUSED ABSENCE	ABSENT PM
12/21/2007 12:00:00 AM	EXCUSED ABSENCE	ABSENT

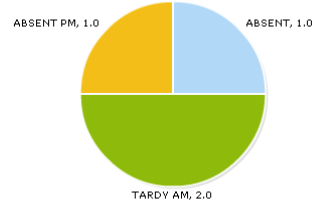
  

Times Tardy: 2		
Date	Reason	Type
3/14/2008 12:00:00 AM	EXCUSED TARDY	TARDY AM
9/14/2007 12:00:00 AM	EXCUSED TARDY	TARDY AM

My Virtual Learning Environment



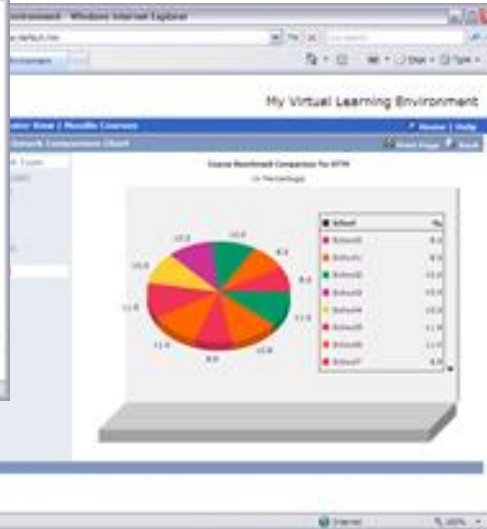
Absence and Tardy Reasons Summary



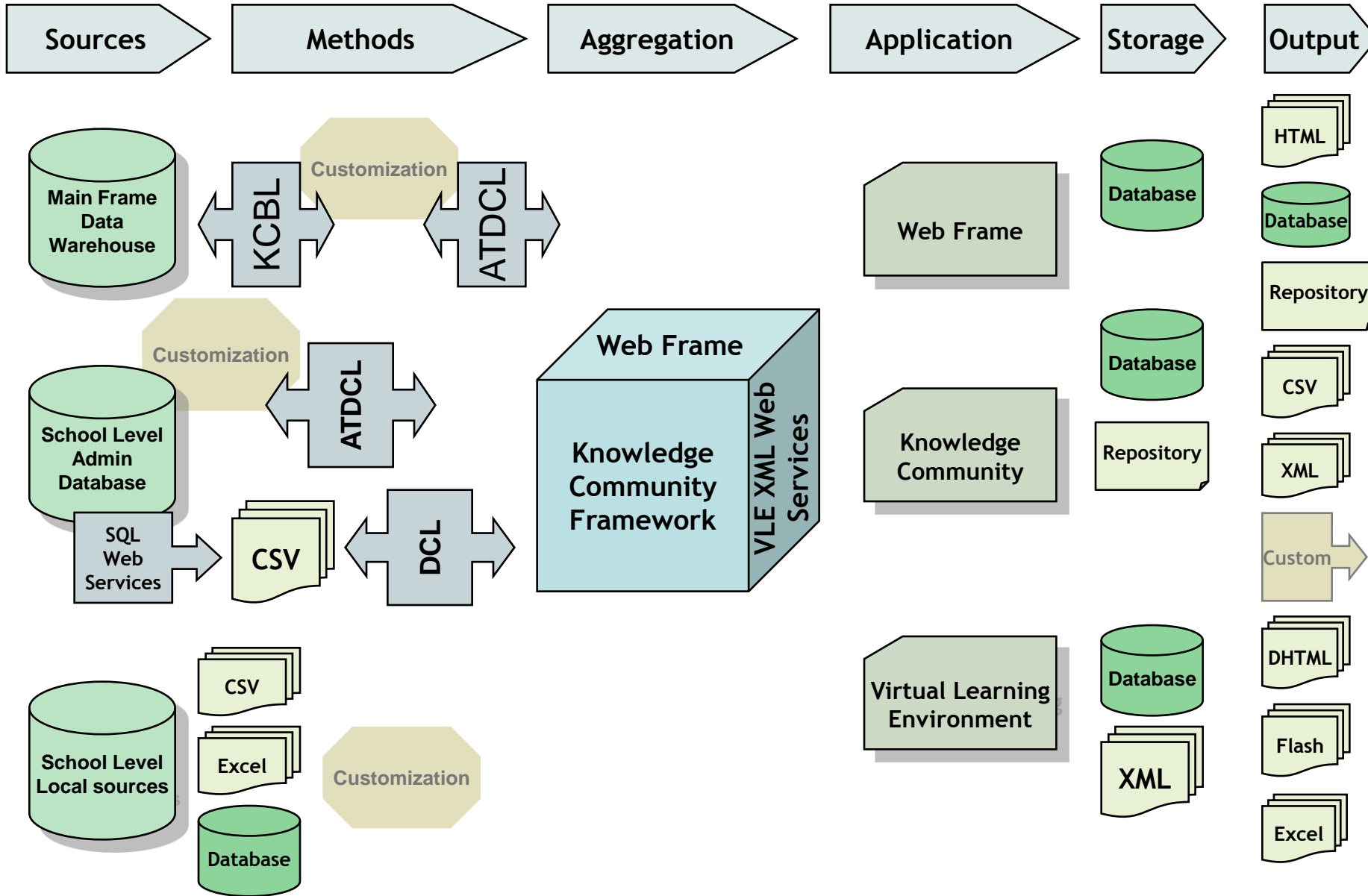
## Advanced Statewide Analysis tools

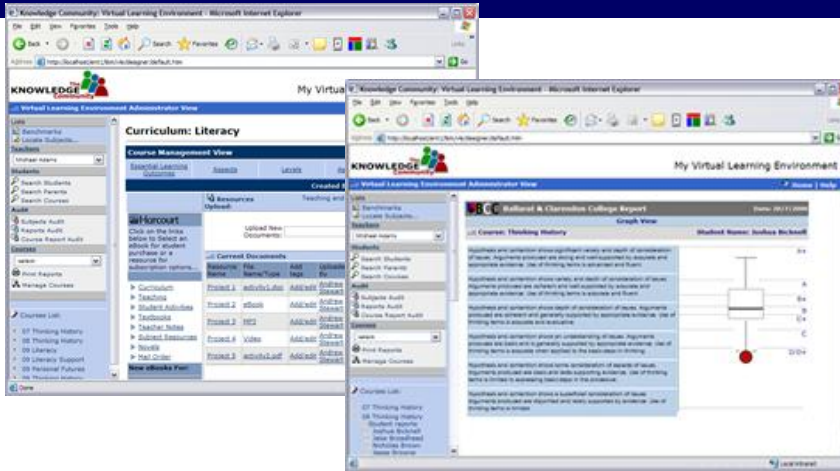


**For Government**  
 Vision, plan, understand, resource,  
 investigate, improve budget



	User Type	Documentation	Materials / Tools	“Train the Trainer” Manuals and inbuilt Web Conferencing Application
IT	Network / Server	Specification / Architecture	CD and Online	
	Deployment	Hands Free Wizard & Manual	Web Frame online Manager	
System	Change Management	Complete Package PPTs / manuals / Trainer Kit	CD, Online eLearning, Web Conference	
	District Administration	Manuals & Online Tools Videos	Web Frame Online Manager	
Admin	School Administration	Manuals & Online Tools Videos	Online Flash Video & manuals	
	Teacher Administration	Manual and Online	Online Flash Video & Manuals	
Education	Education Requirement	Virtual Learning Manuals	Hard copy and Online Tools	
	eLearning Providers	Application and repository	Presentation PPTs and infrastructure	
Users	Parents/ Students/ Community	Manual and Online	Online Flash Video & Manuals & Leaflets	





An Analysis of learning developed from the Curriculum Model leads to...

Access to certified, paid and rated online content in an education "Market Place"



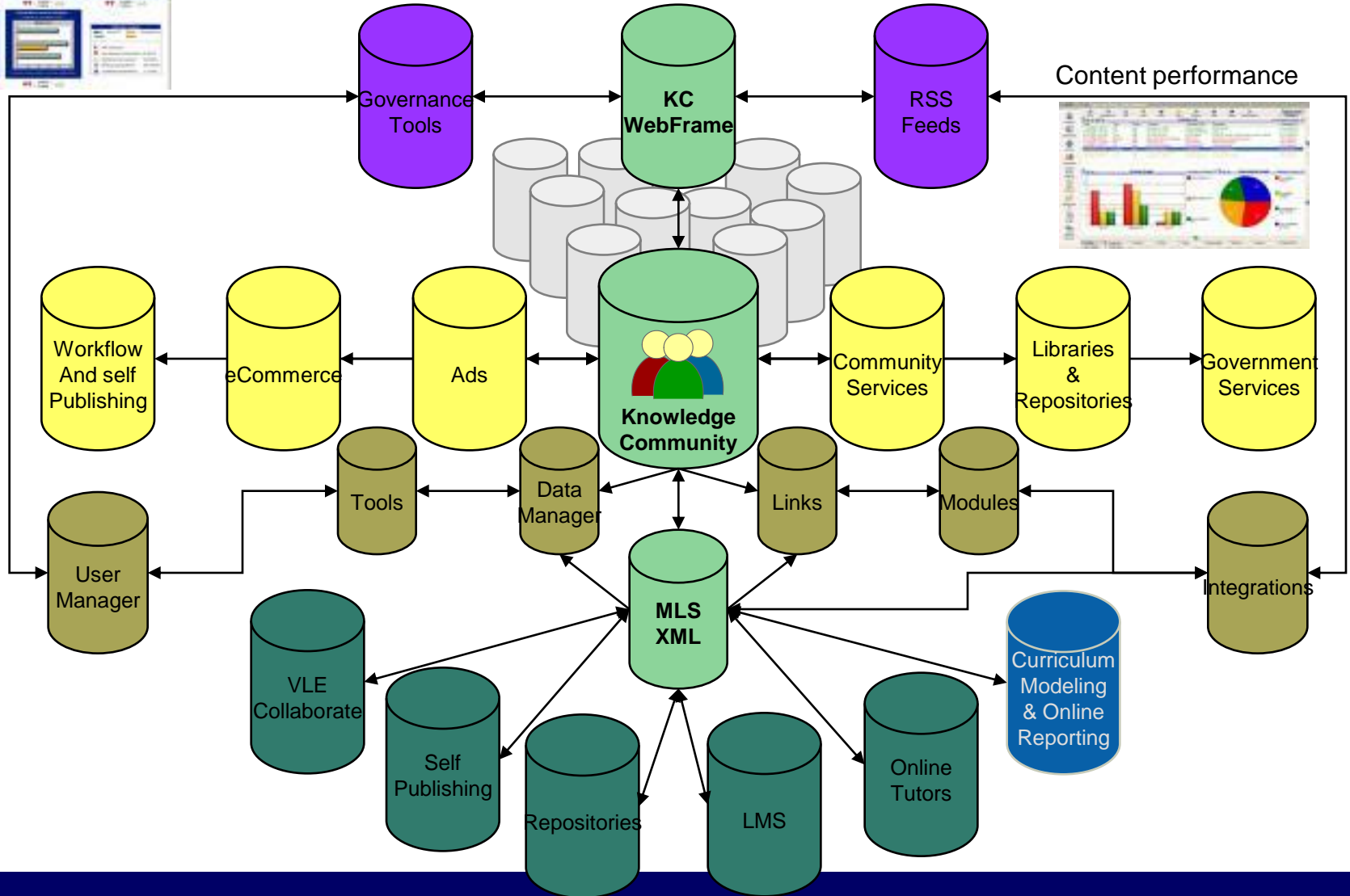
...and revenue through the highest quality learning content.

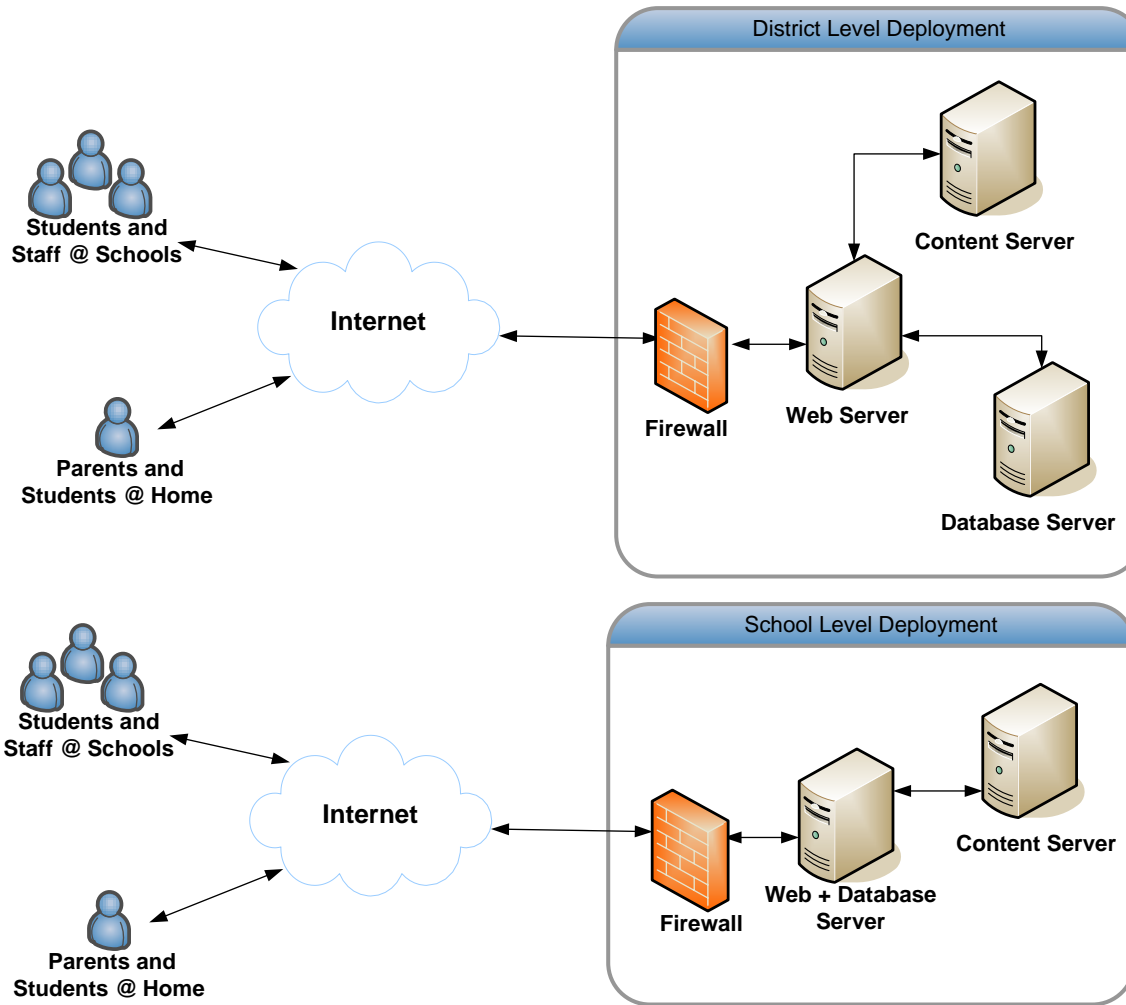


Cost Saving Examples					
Report Printing		Assume 1 Page per subject with average of 5 subjects			
Costs	Cost Per Student	1000 students	2 Reports per year	Total	
Print 1 page per subject	1	5000		10000	
Envelopes, labels per	1	1000		2000	
Total					12000
Marketing					
	Number Printed	Cost Per Doc	Times Sent	Total	
Orientation	200	10	2	4000	
Brochures Advertising	500	10	3	15000	
Newsletters	1000	1	40	40000	
Information Mailouts	1000	5	5	25000	
Total					84000
Administrative Duties					
	No staff	Days per week	Per Hour	Total (40 weeks)	
Newsletters	1	3	20	19200	
Calendaring	1	2	20	12800	
Total					32000
Total this page					128000



Measure  
Monitor and  
control







Information Web Sites  
Technology: [www.acryn.com](http://www.acryn.com)

Questions?