





The Wiki Tool: the Swiss Army Knife of Sakai

Mathieu Plourde, University of Delaware
Josh Baron, Marist College

Wednesday, July 2, 2008



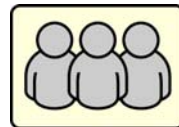
Accessing Our Session's Wiki

- During this session, you will have access to a wiki:
 - <http://bugs.sakaiproject.org/confluence/display/CONF09/>
 - Conference Sessions>The Wiki Tool...
 - Use your Confluence username and password.
 - Please sign-in (one at a time please 😊).
 - Make sure you are apart of a team.



Activity 1: Ice-Breaker

- In teams, try to come up with:
 - A definition of what a wiki is.
 - What wikis are good for.



Write everything down on your team's wiki space.

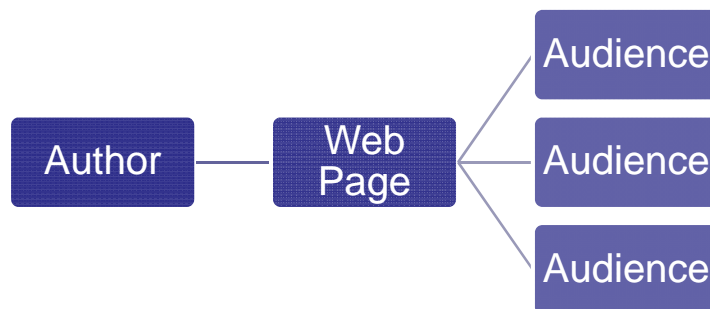


The Wiki Tool: the Swiss Army Knife of Sakai - Plourde & Baron

3



A Web Page



The Wiki Tool: the Swiss Army Knife of Sakai - Plourde & Baron

Reference: Grenier (2007)

4



A Wiki Page


Author/Audience


↕

Author/Audience ↔ **Web Page** ↔ Author/Audience

↕

Author/Audience

 Reference: Grenier (2007)

The Wiki Tool: the Swiss Army Knife of Sakai - Plourde & Baron 5 

A (Purist) Wiki Definition

No Authorship

Structured By The Community

Simplified Markup Language



Focus Is On Content, Not Format

Version Tracking

Soft Security

WIKI

References:
Cunningham,
Barton (2004),
Lamb (2004),
Turnbull (2004),
and Shirky (2003).

 The Wiki Tool: the Swiss Army Knife of Sakai - Plourde & Baron 6 

Beyond A Purist Definition

PURE WIKI

HYBRID WIKI

Anonymous	↔	Users and changes are tracked
Content is public domain	↔	Copyright and Creative Commons
Simplified wiki markup language	↔	WYSIWYG editor
Textual content only	↔	Embedded images/videos/applications
Unstructured	↔	Template-driven/Workflow-driven
Consensus of its community	↔	Moderated by experts/Peer reviewed
Anyone can read and edit any page	↔	Permissions for users and pages
Collective workspaces	↔	Private/Team workspaces
Never finished	↔	Deadline-driven

The Wiki Tool: the Swiss Army Knife of Sakai - Plourde & Baron

7

Using the Wiki Markup Language

HTML	Wiki Markup	Final Output
<code>Bold</code>	__Bold__	Bold
<pre> Item 1 Item 2 </pre>	<pre>* Item 1 * Item 2</pre>	<ul style="list-style-type: none"> • Item 1 • Item 2

Wiki Markup Language is a Simplified HTML

The Wiki Tool: the Swiss Army Knife of Sakai - Plourde & Baron

8

Faculty Practices



atomicShed @ Flickr

- Examples from University of Delaware
- Examples from Marist College



The Wiki Tool: the Swiss Army Knife of Sakai - Plourde & Baron

9



Analytic Geometry and Calculus A

- Prof.: Lou Rossi, Math.



The explosives are detonated simultaneously; atomic bomb 2.bmp This creates uniform force from every angle, which is necessary to compact the outer U^{235} shell into the inner U^{235} sphere evenly. This is necessary to allow the U^{235} to reach critical mass.



$$V = \frac{4}{3}\pi abc$$



Comment

Comment by: [redacted] on 2007-10-18 12:29:32.652 [Comment](#) [Edit](#)

dear group, does anyone want to get together sometime this weekend and work on the wiki project calculation due monday?



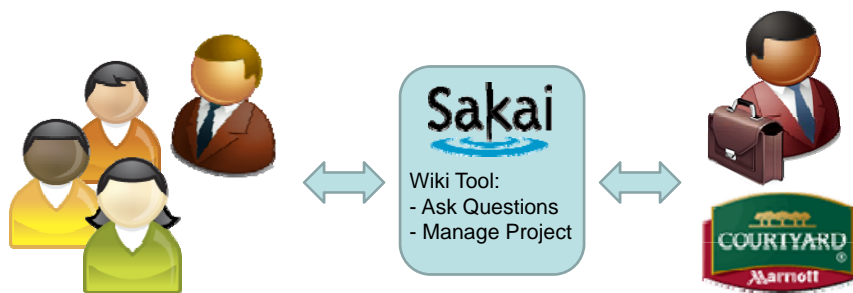
The Wiki Tool: the Swiss Army Knife of Sakai - Plourde & Baron

10



Emerging Technologies

- Prof.: Mark Serva, MIS



The Wiki Tool: the Swiss Army Knife of Sakai - Plourde & Baron

11

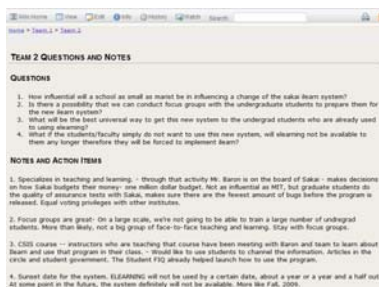


Public Relations (COM 471)

Dr. Van Dyke allows students to suggest changes to the course syllabus as a way to create community and foster "buy-in" by students.

Course Syllabus Discussion. I would like to use the Wiki to propose and discuss changes to the [course syllabus](#). If you would like to suggest changes, type them below by *Sunday, Jan. 20*. You and others may also comment on those changes, but try not to type over comments by others. Let's try to complete this discussion by *Tuesday, Jan. 22*. I'll announce a final syllabus by class time on *Thursday, Jan. 24*. Thanks!

He also uses it for dynamic note taking by Team Leaders during class. This creates a central repository for group notes.



The Wiki Tool: the Swiss Army Knife of Sakai - Plourde & Baron

12



Introduction to Research Methods

Dr. Fitzgerald used the wiki to have students keep running science journals each week to track their work and allow them to share lessons learned.

STUDENT ENTRIES FOR WEEK OF 4/6 TO 4/12

Kim Hamsch's Entry 4-9-08 11:00 - 2:00

This week I had to redo analysis on the toys that I have from before 1970. I had run a different method on these toys with a different matrix modifier in the graphite furnace that I ran with the toys from after 1970. I ran two of the three toys this week with the master standard method and I prepared the third toy for analysis next week.

Andrew DeBlase's Entry 4/8/08 11:00 AM - 7:30 PM with lunch break

This week, I started with computational chemistry. I'm trying to get an idea of the energy landscape of the C₃-shaped molecule to understand its conformational dynamics. Towards the goal, I performed calculations at the semi-empirical (AM1 and PM3) and molecular mechanics (MMFF and SYBYL). I found that there are 16 possible conformations based on changing torsional angles and I am currently in the process of optimizing all of them at all 4 levels of theory. So far each theory is giving geometries that differ from each other and I believe that the explanation has to do with the way each theory handles/doesn't handle van der Waals forces between the interacting chains. In the lab, we performed prep TLC to isolate the major band present in our unknown compound. We obtained a new NMR spectrum and are currently working on interpreting it. I have also been working on my poster for next week during most of my free time.

Meghan Burke's Entry 4-8-08 2-5:15 PM

This week we performed three washes of 40 mM Tris-Cl on our six pellets. After each wash we centrifuged the pellets and then poured off the fluid. Then we resuspended and lysed the cells by adding the lysis buffer to all 6 pellets. Then we took 10 microliters from each centrifuge tube and measured the absorbance with UV-Vis at 290 nm. Each sample had the same Reagent B and Reagent A' added that we used when we made the standard protein curve. Now we can calculate the amount of protein in each sample using the standard protein curve that we made last week.

Mark Robinson's Entry 4-9-08 9:00-5:00 This week there is no lab work so at present I am processing the spectra. This involves a single Fourier transform, TMS standard, baseline correction and integration of the peak areas. I am done with the first eight and will get the next set when Dr. Edwards returns from vacation.



The Wiki Tool: the Swiss Army Knife of Sakai - Plourde & Baron

13



What Are Wikis Good For?

Make Lists

Meeting Support

Writing a Collective Letter/Position/Statement/Web Content

Collection of Links

Brainstorming

Group Portfolio

Collaborative Notebook

Group Projects



The Wiki Tool: the Swiss Army Knife of Sakai - Plourde & Baron

14



Why use Wikis?

- They promote **ACTIVE LEARNING!**
 - Increased motivation
 - Deeper and longer lasting learning
- They help develop 21st century skills:
 - Read/Write web
 - Collaboration/Teamwork



The Wiki Tool: the Swiss Army Knife of Sakai - Plourde & Baron

15



Training the Trainer

- If you always like a good fight...
 - Ask participants to compare wikis vs. other tools (blogs, IM, podcasts, web pages, content management systems, etc.).
 - Discuss the value of information in a wiki: Compare their use of a wiki with Wikipedia.



The Wiki Tool: the Swiss Army Knife of Sakai - Plourde & Baron

16



Some Recommendations

- Instructional Strategy
- Define Control and Ownership
- Define Individual and Group Work
- Use Templates
- Get Familiar with the Markup Language
- Use a Wiki Charter
- A Wiki is Not the End
- Define Your Grading Strategy



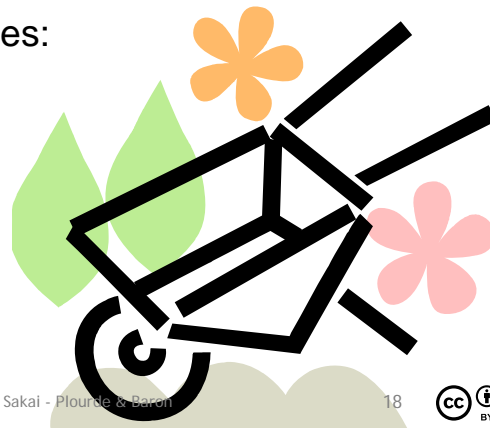
The Wiki Tool: the Swiss Army Knife of Sakai - Plourde & Baron

17



Wiki Gardening

- By nature, a wiki is messy.
- Usability issues may occur.
- Promote best practices:
 - Examples
 - Templates
 - Job Aids



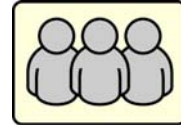
The Wiki Tool: the Swiss Army Knife of Sakai - Plourde & Baron

18



Activity 2: Requirements

- In teams, try to come up with:
 - Features you like in a wiki.
 - Features you would like in the Sakai wiki (requirements).



Write them down on your team's wiki space.



The Wiki Tool: the Swiss Army Knife of Sakai - Plourde & Baron

19



Some Examples and Job Aids

- Matt's Wiki Report web page:
 - UD Faculty Experiences
 - Wikis in Higher Education Report
 - <http://udel.edu/~mathieu/wiki/>
- The STOLEN Principle
 - http://www.a6training.co.uk/resources_Social_Software.php



The Wiki Tool: the Swiss Army Knife of Sakai - Plourde & Baron

20



Questions, Comments?

- Mathieu (Matt) Plourde, University of Delaware
 - mathieu@udel.edu
 - <http://copland.udel.edu/~mathieu/>
 - Phone: 320-831-4060
- Josh Baron, Marist College
 - josh.baron@marist.edu
 - (845) 575-3000 ext. 3623



The Wiki Tool: the Swiss Army Knife of Sakai - Plourde & Baron

21

