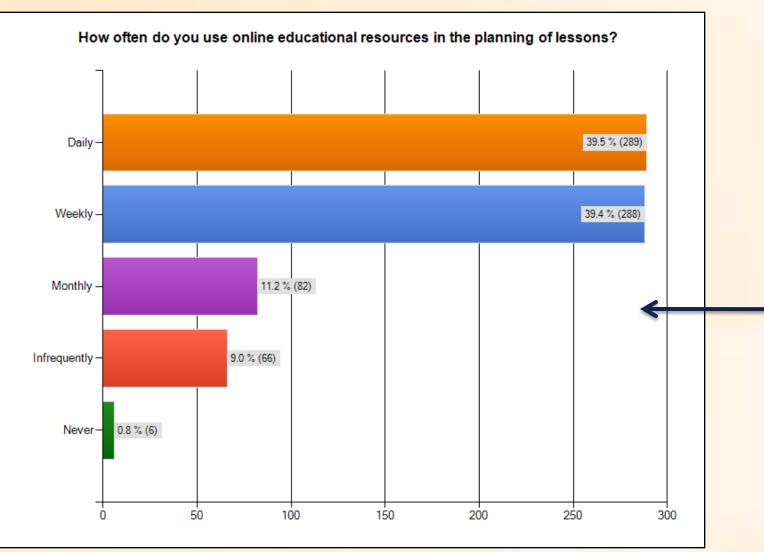
Unit Package Editor: A Web Tool To Help Educators Organize and Share Academic Resources

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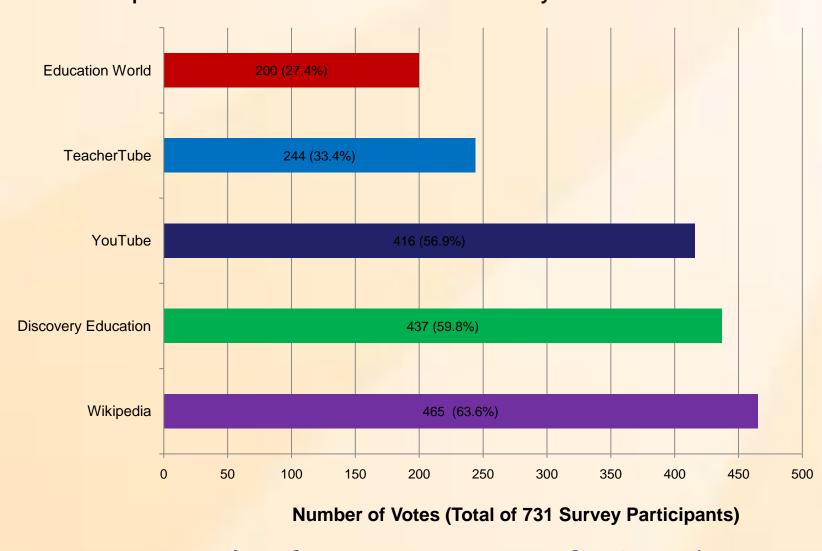
MOTIVATION

- > Web is a powerful communication, collaboration and sharing tool
 - With the increasing investment of computer technology companies in netbooks and the growth of organizations such as One Laptop Per Child (OLPC), the availability of affordable educational devices for classroom and student is becoming a reality
 - Plethora of online educational resource sites (free and commercial)
 - Lots of free-floating online educational resources but lacking organization
- > Critical to build an online community of educators helping each other
 - About a year ago, we conducted a survey of K12 educators to explore how they
 made use of the Internet in their daily teaching, in both the planning of lessons
 and in the actual classroom
 - We found that while some educators were already using online educational resources, an overwhelming majority complained that a major drawback was a lack of sufficient time to find and organize high quality educational material
 - Educators disliked having to "reinvent the wheel" individually every time new content needed to be mastered before presenting it to their students



The results for how often educators used online educational resources in the actual classroom was strikingly similar.

Top 5 Online Educational Resource Sites Used by K12 Educators



The figures above represent results from our survey of K12 educators, which included a total of 731 participants, majority of whom were teaching in the state of Arizona.

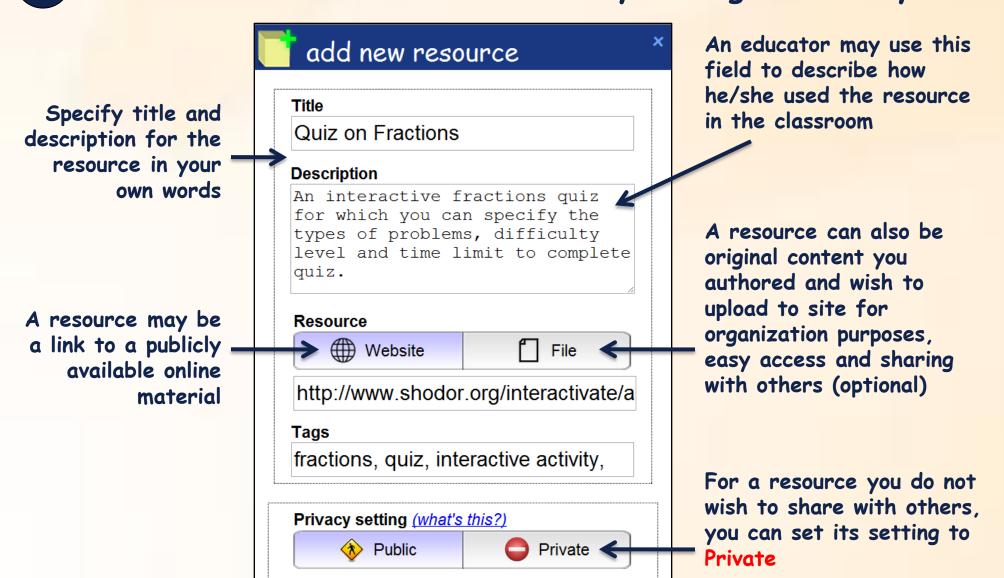
OVERVIEW OF TOOL

- > A FREE, web-based utility for organizing online educational materials into units of organization based on some criteria
 - A user may choose any criteria for his/her organization scheme our site and editor tool is designed to facilitate that process rather than impose restrictions
 - We only require that each organizational element is associated with a title, description and a set of tags in order to ease the task of searching and navigating through the site and our resource database
- > Site users can create, collect and add new content to the site or use, expand on and collaborate on existing site content
- > Great way for skilled, experienced educators to help new (and potentially unprepared) colleagues in the same city or on two different continents!
- For more information, please contact Tasneem Kaochar (tkaochar@email.arizona.edu) or Jane Strohm (jstrohm@email.arizona.edu)

AN IN-DEPTH LOOK

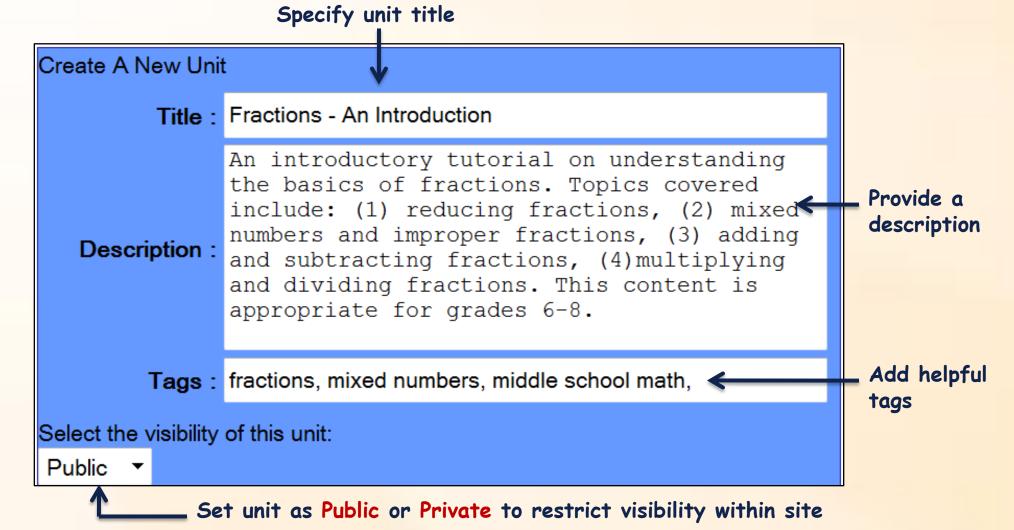
Our site allows users to:

- collect resources from the web (or create original resources)
- store resources in a safe database that is accessible over the Internet anytime, from anywhere
- organize resources into larger components called units
- 1 Register and create a free account on our site
- 2 Collect and/or create resources by adding them to your online collection



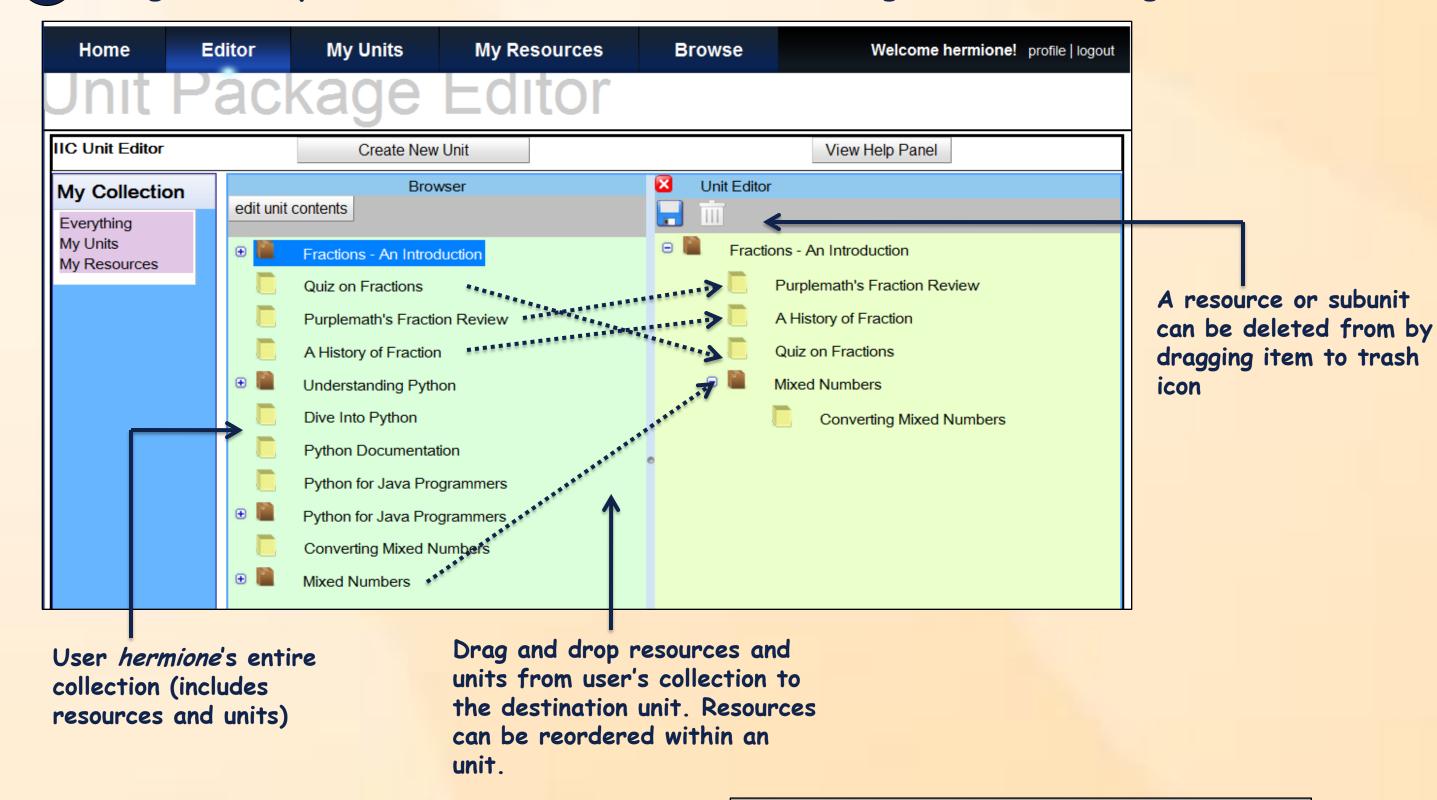
A RESOURCE is the most basic element of organization on our site.
A user may collect a set of resources and then organize them into larger components that share a common theme or topic.

3 Create units to organize your resources



A UNIT is a hierarchical organizational element made up of RESOURCES and other UNITS (may be referred to as subunits)

4 Drag and drop resources into the desired unit using the Unit Package Editor



For Firefox users, we have a toolbar that eases the task of collecting resources from all over the web.

Site's home page

View all resources

View all resources

View most resources

COLLABORATION AND COMMUNICATION FEATURES

Our site provides several ways for users to communicate with each other and collaborate on units:

A user may rate any public provides are unit on the site.

A user may copy a public unit created by another user into his/her own collection. Each unit copy is now owned by the respective users and changes made to one copy does not affect the other. At every copy operation, each new owner (is added to the contributor list for

Home Editor My Units My Resources Browse Welcome tknochart profile logout

Python for Java Programmers from hermione contains 0 other units, 1 single resource

Python for Java Programmers from hermione contains 0 other units, 3 single resource

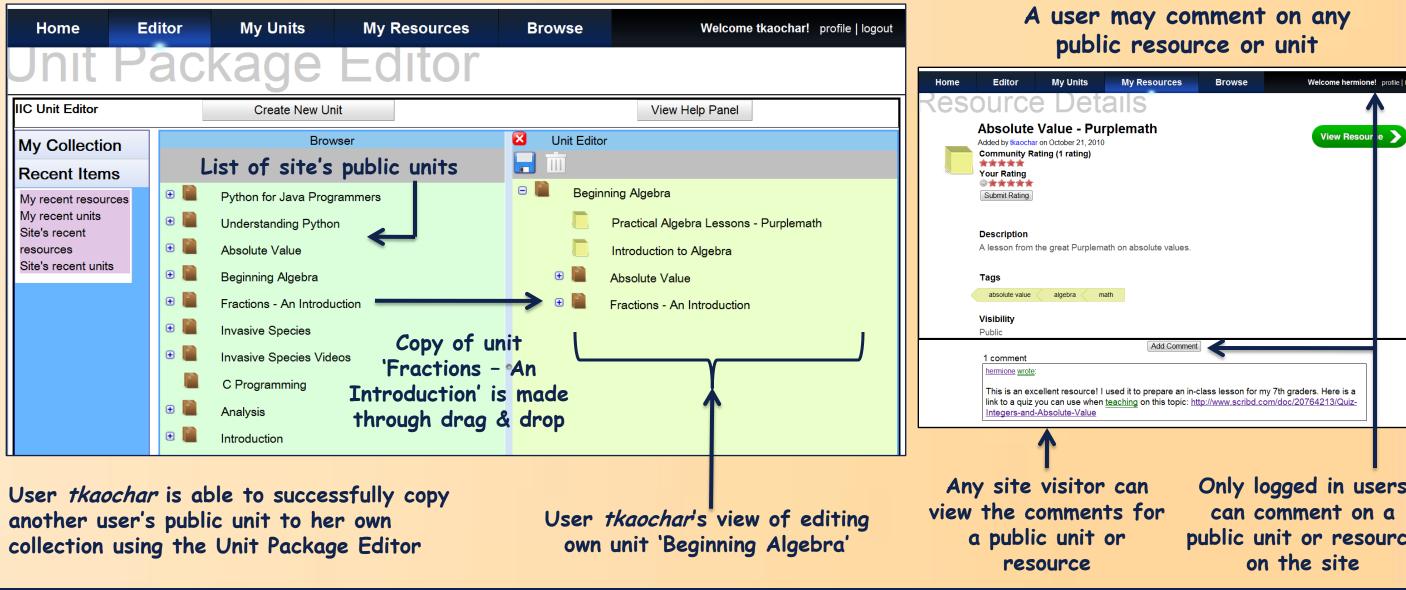
Understanding Python from hermione contains 1 other unit, 3 single resources

Logged in user tknochar can browse user hermione's public units (in fact, any site visitor can browse a user's public collection)

Creator of the unit

Creator of the unit

2 Inside the Unit Package Editor



SEARCH AND NAVIGATION

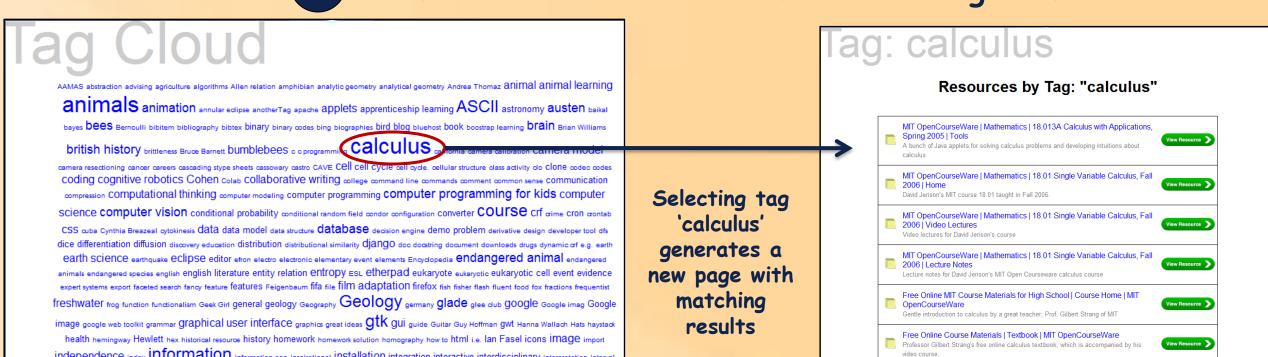
There are 3 main ways to search the site for public resources and units:

diseases pathogens
http://www.invasive.org



Enter search term

3 Browse the site-level and user-level tag clouds



NOTE: Both options 1 and 3 are search features available to any site visitor

ACKNOWLEDGMENTS

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