Information... In motion

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BRIT
Education in the Past

- Primarily used printed materials
- Limited access
- Funding
Today’s Education

8-18 year olds in the US spend one quarter of their media time using multiple media

24% of 12-18 year olds use another media most of the time while watching TV

http://zeitgeistandstuff.wordpress.com/tag/hulu/
Today’s Education

“If we teach as we taught yesterday, we rob our children of tomorrow.”

John Dewey
How can one incorporate technology in today’s classroom?
Digital, mobile devices

- Display
- Microphone
- Touch interaction
- Voice interaction
- Global Positioning System
- Orientation
- Time
- Camera
- Local storage
- ?
Digital Microscopes
What can happen when information and knowledge are digital?
QR Codes

Open Science Network

Ask me about teaching Ethnobiology

www.openscienenetwork.net
Apps for the Classroom

- Earth Viewer
- Geotimescale
- TED
- Star Walk/ Sky map
- Dropbox
- 3D Cell Strain
- Flashcards & Ankidroid Flashcards
- The Chemical Touch (Lite)
- Soilweb
- NatureTap
- Taxonomy
- Leafsnap
- 101 Science
- Multiconvert
http://www.brit.org/rangeplants
Specimen Image
<table>
<thead>
<tr>
<th>Species</th>
<th>Common Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buffalo grass</td>
<td><em>Buchloe dactyloides</em></td>
</tr>
<tr>
<td>Buffel grass</td>
<td><em>Pennisetum ciliare</em></td>
</tr>
<tr>
<td>Bur-clover</td>
<td><em>Medicago polymorpha var. vulgaris</em></td>
</tr>
<tr>
<td>Burro grass</td>
<td><em>Scleropogon brevifolius</em></td>
</tr>
<tr>
<td>Bush muhly</td>
<td><em>Muhlenbergia porteri</em></td>
</tr>
<tr>
<td>California cottontop</td>
<td><em>Digitaria californica</em></td>
</tr>
<tr>
<td>Canada wild rye</td>
<td><em>Elymus canadensis</em></td>
</tr>
<tr>
<td>Cedar caric sedge</td>
<td><em>Carex planostachys</em></td>
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<tr>
<td>Cherokee caric sedge</td>
<td><em>Carex cherokees</em></td>
</tr>
<tr>
<td>Common broomweed</td>
<td><em>Amphiachryis dracunculoides</em></td>
</tr>
<tr>
<td>Common buttonbush</td>
<td><em>Cephalanthus occidentalis</em></td>
</tr>
<tr>
<td>Common carpet grass</td>
<td><em>Axonopus fissifolius</em></td>
</tr>
<tr>
<td>Common curly-mesquite</td>
<td><em>Hilaria belangeri</em></td>
</tr>
<tr>
<td>Coyotillo</td>
<td><em>Karwinskia humboldtiana</em></td>
</tr>
<tr>
<td>Crimson clover</td>
<td><em>Trifolium incarnatum</em></td>
</tr>
<tr>
<td>Dallis grass</td>
<td><em>Paspalum dilatatum</em></td>
</tr>
<tr>
<td>Eastern gama grass</td>
<td><em>Tripsacum dactyloides</em></td>
</tr>
<tr>
<td>Engelmann's daisy</td>
<td><em>Engelmannia peristenia</em></td>
</tr>
<tr>
<td>Fall witch grass</td>
<td><em>Digitaria cognata</em></td>
</tr>
</tbody>
</table>
Buffalo grass
Buchloe dactyloides
(boo-KLO-ee DACK-till-OY-deez)

Description: Buffalo grass (Buchloe dactyloides) is a perennial grass in the Poaceae family.

Scientific name: Buchloe dactyloides
Synonym(s): Bouteloua dactyloides
Common name: Buffalo grass
Growth season: warm
Origin: native
Wildlife value: fair
Grazing value: good

More Information (external sites)
BRIT Digital Herbarium
USDA PLANTS
Alfalfa
*Medicago sativa*
(meh-dee-KAH-go suh-TEE-vuh)

Description: Alfalfa (*Medicago sativa*) is a perennial legume in the Fabaceae family.

Scientific name: *Medicago sativa*
Common name: Alfalfa
Growth season: warm
Origin: introduced
Wildlife value: good
Grazing value: good

More Information (external sites)
BRIT Digital Herbarium
USDA PLANTS
Quiz

Select plant name...

- Alfalfa
- Marshhay cord grass
- Lotebush
- Cherokee caric sedge
- Little bluestem
- Common carpet grass
- Rattail smut grass
- Black grama
- Lobolly pine
- Rescue grass

- Switch grass
- Florida paspalum
- Lotebush
- Meadow dropseed
- Singletary-pea
- Sand dropseed
- Willow baccharis
- Upright prairie coneflower
- Bahia grass
- Long-spike tridens
Open Science Network in Ethnobiology

Welcome

We are ethnobiology educators. Our mission is to help other ethnobiology instructors by providing a convenient location to find a variety of instructional materials for ethnobiology courses and curricula. All materials on our links are freely shared using an open-systems philosophy. We welcome additions to this collection, as well as its use.

The OSN project creates links to resources that are stored elsewhere, such as on university web servers and cloud-based resources. This helps ensure that the most recent versions of the materials are available.

Peer reviews are available for many of the resources. We also welcome additions to this set of reviews.

Participants at the 2012 OSN Workshop in Fort Worth, Texas.

Access to the OSN Resources

Link: Institutions

These links provide information about ethnobiology activities at particular institutions and other institutions at which there are ethnobiological activities.

Link: Ethnobiology Modules

We provide peer-reviewed modules that will increase the quality of ethnobiology classroom instruction. The curriculum modules are each major content elements which are geographic region based and can be used to support a single course (e.g., a demonstration on how to dye cloth with natural products).

Link: Lesson Plans

These are materials which provide detailed information about Individual Lessons.

Link: Course Syllabi

The materials in this section contain items which relate to a single course, or for an entire course (e.g., Introduction to Ethnobotany).

Link: Resources

This section of the website has listings of resources which make up a program that can help you, on how topics can be woven together into something more than a single course.

Ethnobiology Curriculum Guidelines Suggestions

"The Vision and Change in Undergraduate Ethnobiology Education in the U.S.:
Improving science curriculum development of ethnobiology undergraduate education among ethnobiology educators. Your feedback is very important to the field of study. The document will be updated on a regular basis.

Participating in the Open Science Network

Link: The Ethnobiology Focus

Our focus is on the scientific discipline of ethnobiology. Do you want to know more about this topic? Check the link for more Information.

Link: Submitting Existing Resources

This link tells you how you can contribute links to resources which you would like to share on this site. Examples are links to course syllabi or a lesson plan for a laboratory exercise. Look at our existing resources (listed in the column on the right) to get ideas of what you might contribute to enhance this shared collection.

Link: Creating New Resources

We can help if you have materials that you would like to share, but which are not accessible with a web link. Click on the link to see some self-help suggestions. If these are not adequate or appropriate, click on the link below to see how to contact people who can help.

Link: The OSN Effort and How You Can Join

Here is where you can find out more about us. This link also has contact information. Please join us if what we are doing matches your interests and needs.