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How Can We Make Library Research a Little Wild? Make It Natural!

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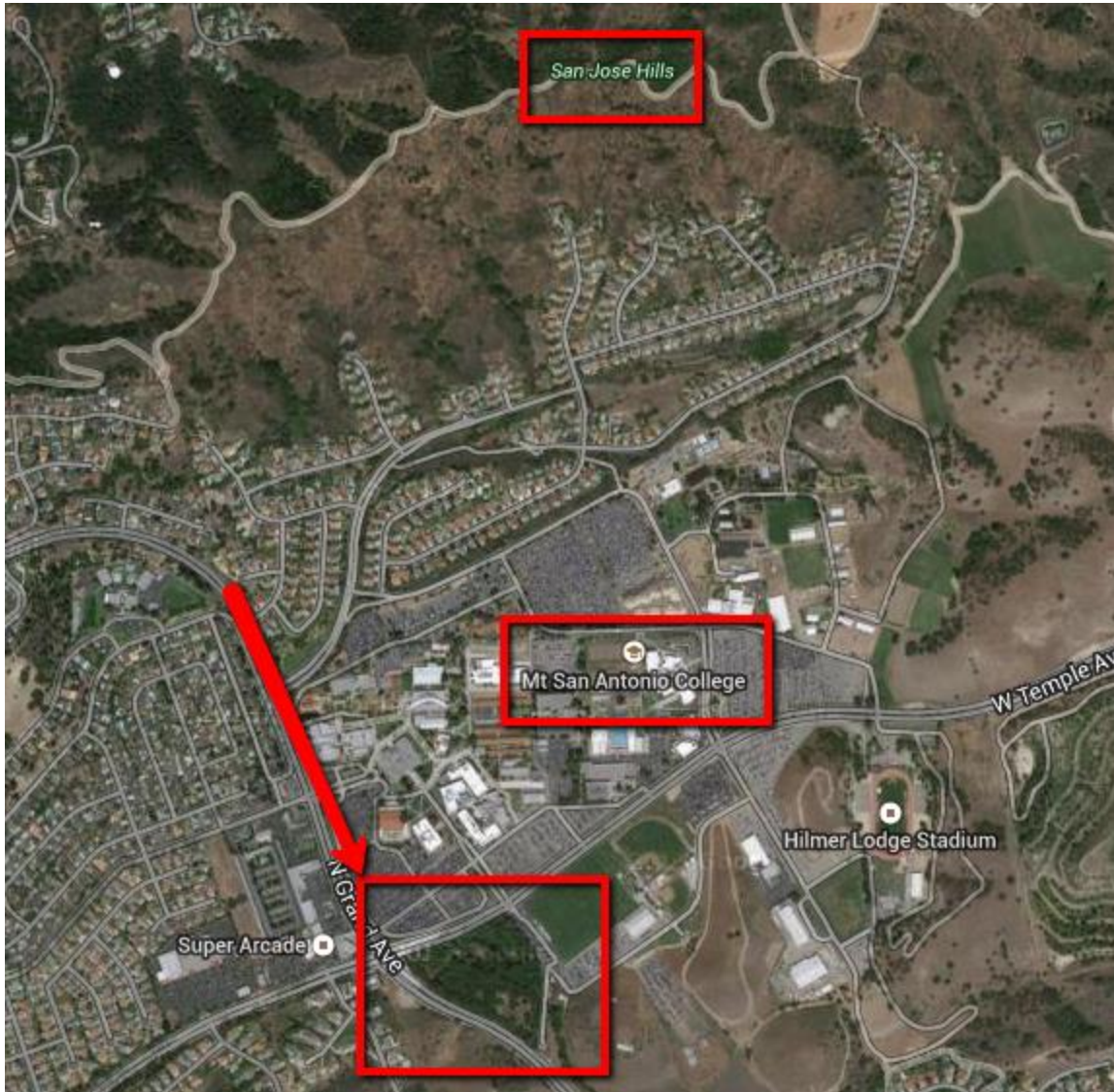
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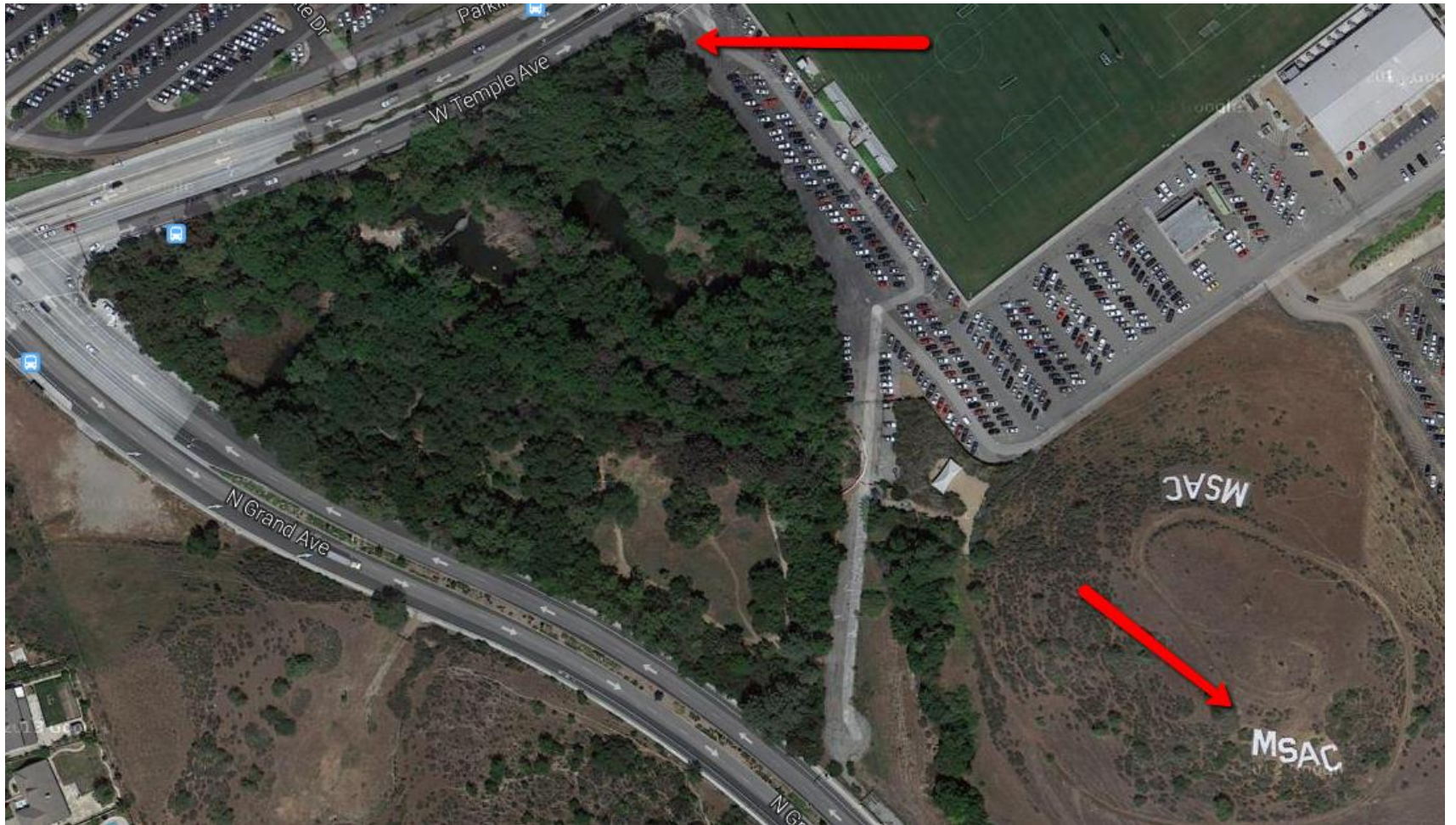
How can we make
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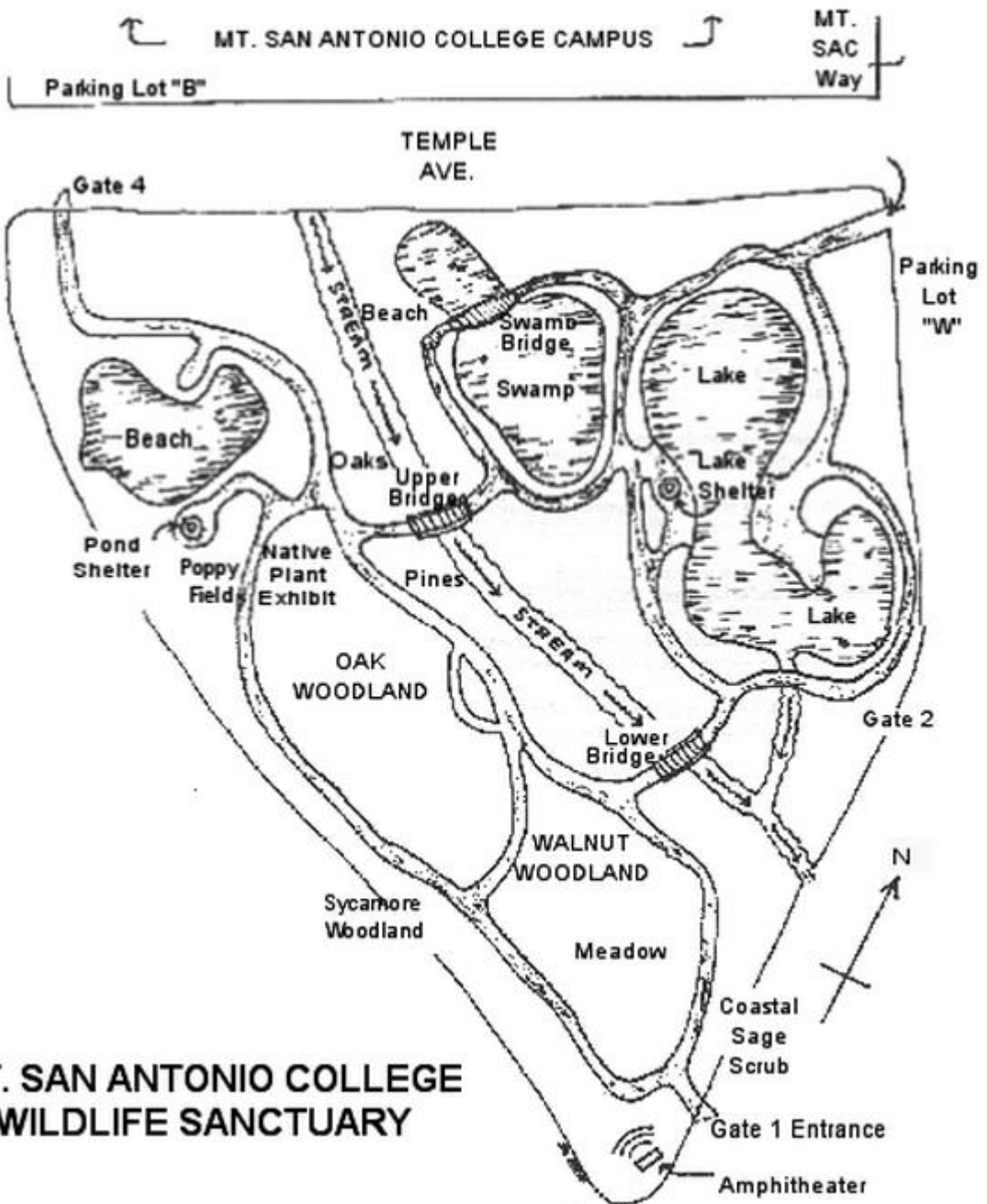
Jared Burton
Mt. San Antonio College
Walnut, California
LIW 2014











**MT. SAN ANTONIO COLLEGE
WILDLIFE SANCTUARY**





Riparian



Lake

ECOSYSTEMS



Oak Woodland



Wetlands
(Swamp)



Chaparral
(Coastal Sage Scrub)

Craig Peterson



- Shift focus from teaching to learning
- Instead of reading, have the students visit something
- Bring in guest speakers
- Incorporate inquiry based learning
- Talk less and do more

- Worley (2009)

From “Educating Students of the Net Generation”

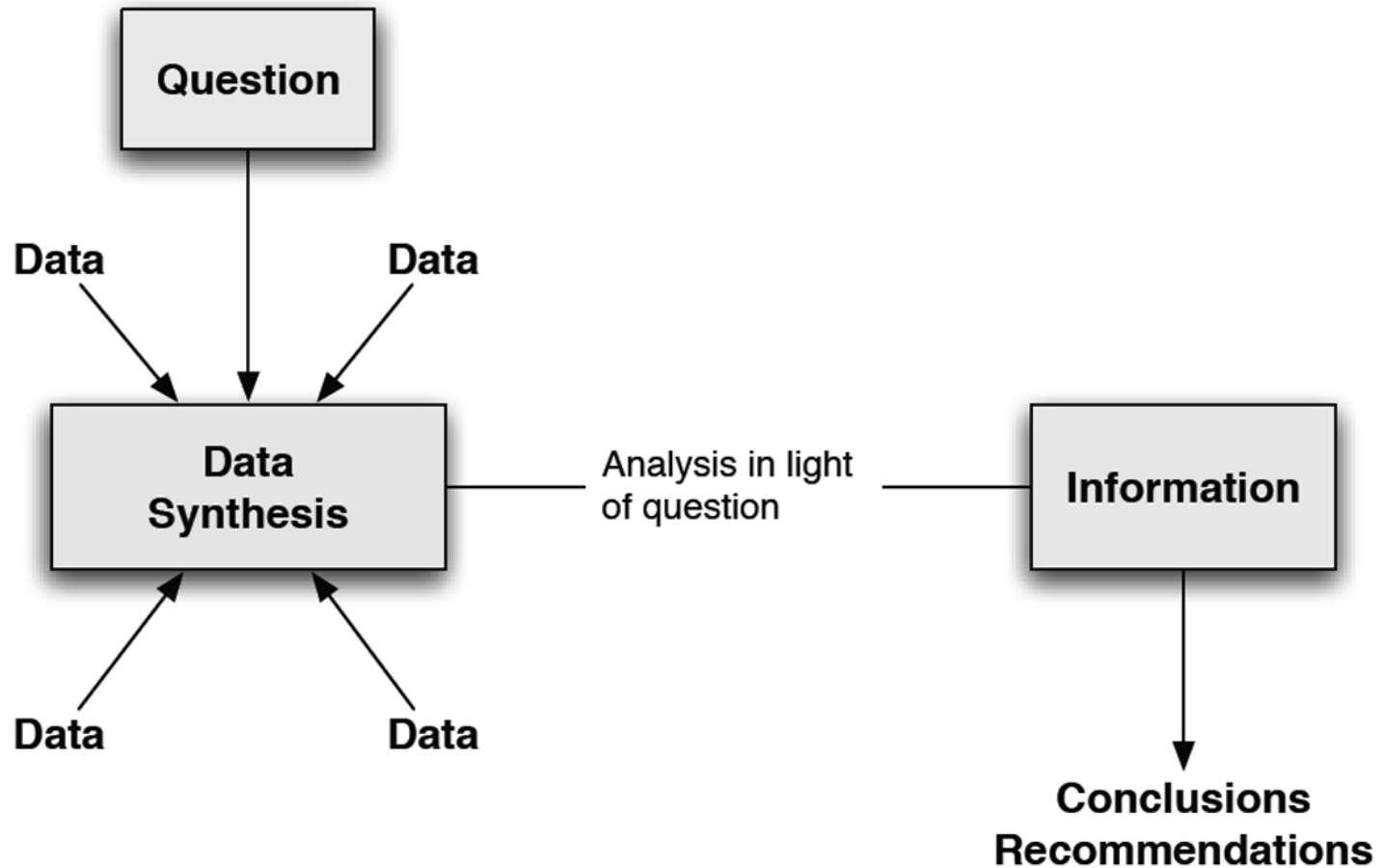


“From a **digitally minded perspective, nature can be seen as a giant living library** or museum filled with an infinite variety of interesting, touchable, see-able, feel-able, smell-able, and hear-able knowledge, facts, and experiences immediately available to learners.”

- Walter (2013)

“The world was a **library** and its books were stones,
leaves, grass, brooks, and the birds and animals that
shared alike with us, the storms
and blessings of the Earth.”
- Luther Standing Bear (Oglala Lakota)





From William Badke's *Research Strategies: Finding Your Way Through the Information Fog* (5th Edition - 2014)

BEFORE THE TOUR:

- Divide class into groups by ecosystem
- Assign research using print and electronic reference sources appropriate for the ecosystem
- Assign a list of terminology related to ecosystem and intergroup comparison
- Assign formulation of research questions based on research to ask the “expert” during the tour of ecosystems

DURING THE TOUR

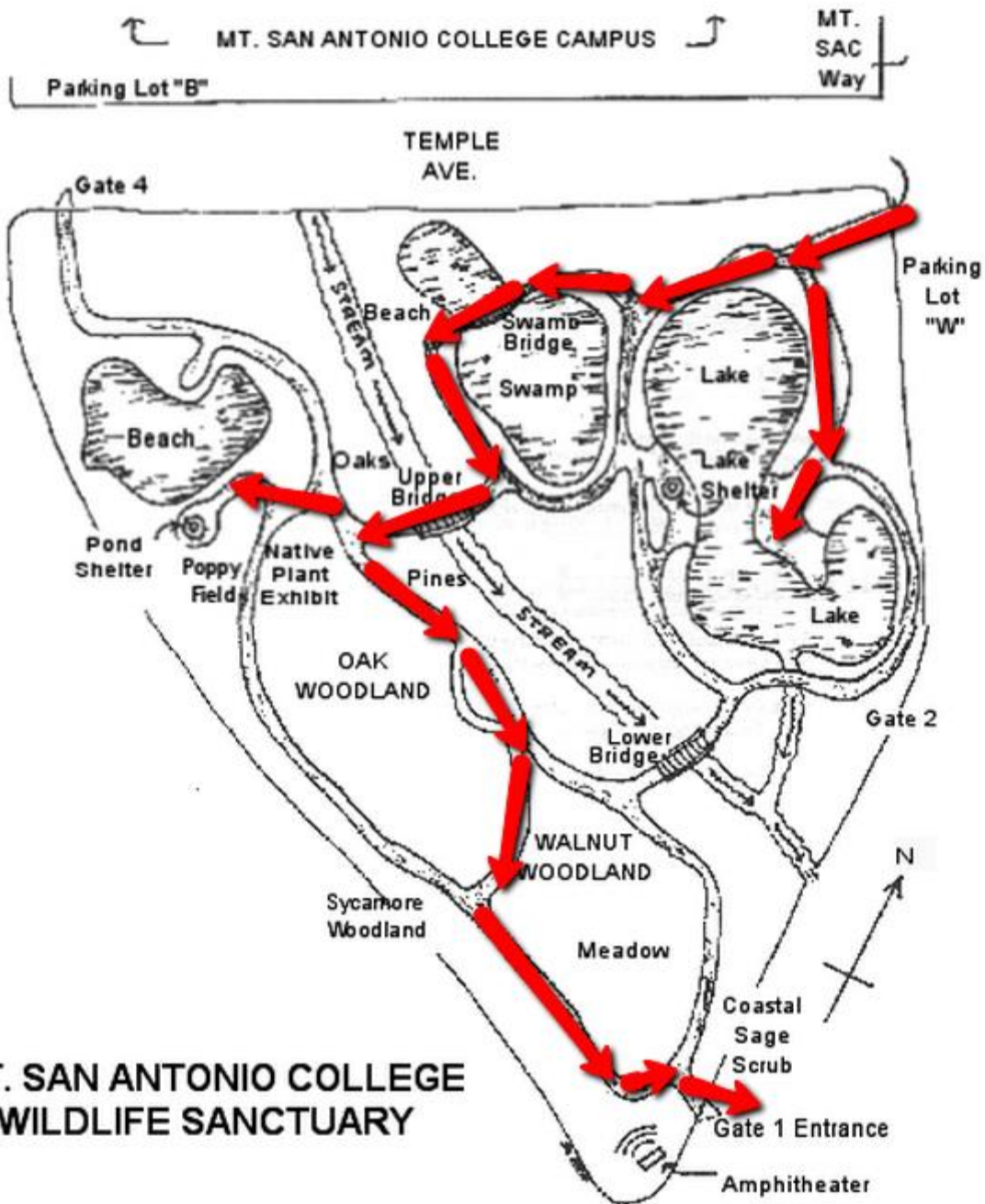
- Spontaneously assign note taking at beginning of the tour
- Include a new list of terminology based on the “expert’s” tour
- Include any new questions brought up to be asked of the “expert”

AFTER THE TOUR

- Assign an MLA citation for the tour
- Assign an annotation for citation that includes a summary of the connections between print and digital reference sources and the notes from the tour that include answers to questions and new terminology
- Use the results of the research to take research further (books, newspapers, academic journals).







**MT. SAN ANTONIO COLLEGE
WILDLIFE SANCTUARY**



- Sample terminology gathered on the tour:
 - Interconnectedness, nutrient cycle, herbicide, deciduous, angiosperm, Gabrielino, toxic spill, allocation of water, tragedy of the commons, biodiversity, gymnosperm, cochineal beetle, tip up mound, bladder pods, jojoba, bulrush, willow, acorn, tannic acid, eutrophication, boot sucking loon shit





- Sample questions asked by students:
 - How are wetlands restored? (Wetlands)
 - What is eutrophication? (Lakes)
 - What grows after a fire? (Chapparal)
 - Who controls the flow of a river? (Riparian)
 - Why are oaks protected? (Oaks)



Sustainability and “Green” Libraries

“...a true green library is one that promotes **sustainability** by leading by example and attempts to incorporate sustainability into all aspects of academic librarianship.”

- Aulisio (2013)

From “Green libraries are more than just buildings.”

“To [be a green library], **librarians will need to take advantage of the resources their campus has to offer**, make meaningful connections with other like minded individuals and departments, strive to educate students, and publicize their successes of their sustainability efforts.”

– Ausilio (2013)

“Librarians need to be **creative** in how they incorporate sustainability into campus life.”

- Ausilio (2013)

Ecoliteracy

“...a student’s understanding not only of ecological concepts, but also of his or her place in the ecosystem.”

- Balgopal (2009)

From “Decisions and dilemmas: Using writing to learn activities to increase ecological literacy.”

“...**ecoliterate** people collectively practice a way of life that fulfills the needs of the present generation while simultaneously supporting **nature**’s inherent ability to sustain life into the future.”

- Goleman, Bennett, Barlow (2012)
(From the book *Ecoliterate*)

Sustainability

“Meeting the needs of present generations without compromising the ability of future generations to meet their needs.” (UN)

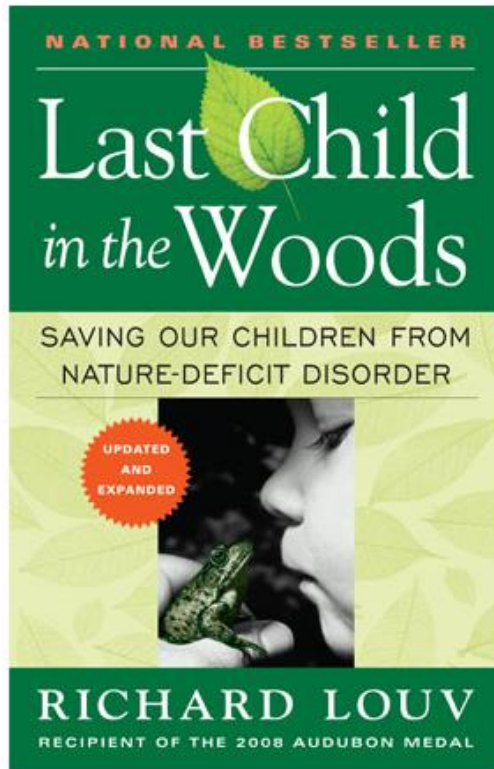


“As children, [the Net Generation] were not only protected from the world of the **outdoors** by digital technology by also controlled by it.”

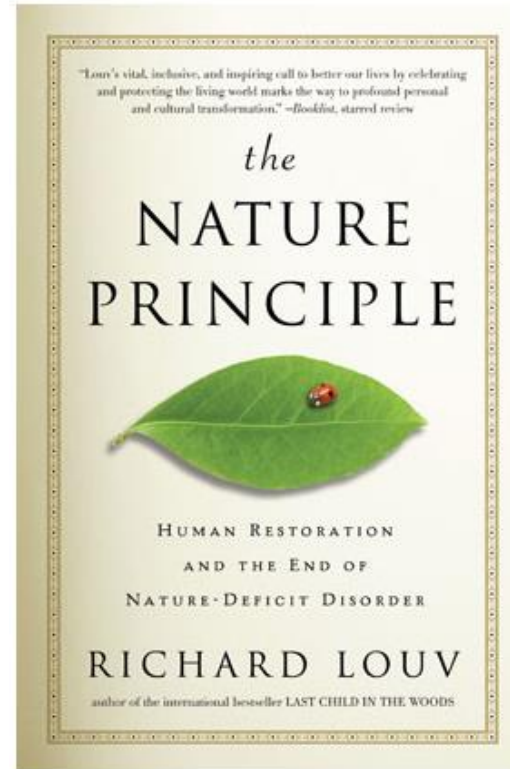
- Walter (2013)

“Millennial students have also grown up in a sheltered environment. Fear of abduction and crime caused parents to keep children close to home where their time was spent **indoors** playing video games and using computers.”

- Worley (2011)



2005



2011

Nature Deficit Disorder

“...continuing lack of direct exposure to play and **learning in nature** as a contributing factor to rising rates of obesity, attention deficit disorders, depression and other physical and mental health problems.”

Walter (2013) referring to Richard Louv’s books *Last Child in the Woods* and *The Nature Principle*.



+



= Sustainable

Thank you, it was fun!

-Ashley G

Thank you for the four nature is fun Kevin N

to coming again.
Hello craig
His Danny Cozine the tall guy in burton's class.
Thanks for the tour and hope to take
Thank You! Craig!
For the sanctuary tour. We experienced alot and discovery our disorder N.N.D.
- Bernard

Thank you for tour, I learnt alot of helpful material.
- Samuel -

It was a great tour I had an enlightening time
Thanks
Veronica G.

THANK YOU FOR AN AMAZING TOUR. IT WAS MY FIRST AT THE SANCTUARY AND I SPED A BIT. I ACTUALLY REQUIRED A LOT WHICH I DID NOT EXPECT. THANKS AGAIN
-Mdrife/p.

I am now an NDD free zone. Thank you Nick.G.

thanks Craig!
- Gabe

thank you. thank you. **thank you.**

faboda: thanks Professor.

CRAIG: THANKS FOR HELPING OUR CLASS GET A LITTLE MEDICINE FOR OUR N.D.D.!
(SEE BACK)

Thank you
Thanks for curing my NDD!
- Marcos Vega

Hey CRAIG!
You ARE A GREAT MAN!
I Love! how you are so interesting.
You have made me curious to know more about nature and to take your Bio to course!
Thank you from AWAY

Never knew I had NDD!
Thanks for the tour!
- Nick G

Jared
Thank you for the tour, but I don't have NDD.
- Stephen

Thanks for the interesting and fun tour!
- Sean Janku

Margie!
Candrade

Craig, Thank you for your time in opening our eyes to the beauty of Nature. Now I am taking steps to curing my N.D.D.!!



thank you.

thank you.

thank you.

References

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