

PLACE BASED LITERACY

Professor Emerita, Linda Nelson Keane, FAIA

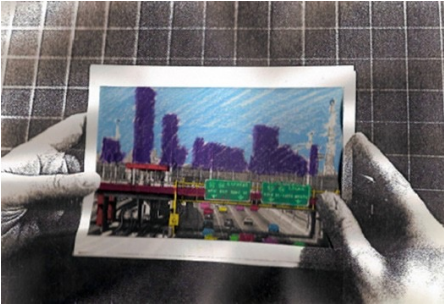
LKeane@artic.edu

PEOPLE + PLACE + POTENTIAL

We cannot choose where we arrive,
but we can choose our path forward.

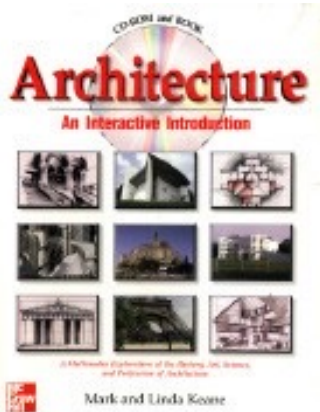
A Story of Building Stewardship of Understanding
and Consilience of Care





1st Architectural ANIMATION on PBS Chicago

Animating Architecture, the Keanes capture creative imagination in the interpolative process. Producing two hours of animated shorts, they introduce structural, cultural, typological, and spatial understandings of architecture and design on the silver screen. The films are



1st CD-ROM for Architecture Education by Architects

Translated into Spanish, AAll serves diverse populations around the world. AAll is in libraries in Australia, the Middle East, Asia, Europe and North America and is an acquisition in dozens of universities diversifying interest in architecture education and practice of the built environment around the world.



1st WEBSITE: Complex Interiority: Interiority Complex

We spend 90% of our lives indoors, often moving from designed environments to other designed environments filled with designed objects created by someone, someplace, somewhere. Shared in the Museum of the Art Institute of Chicago

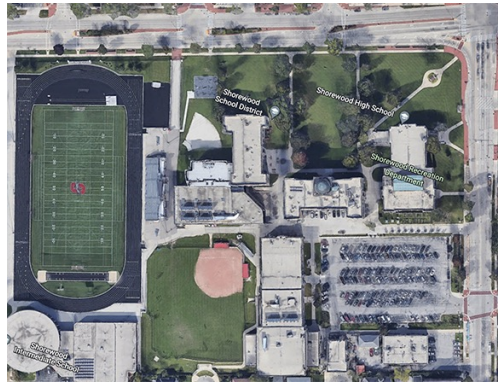


Every Moment is a
Learning Moment

Scripting Life

Frequency to Fluency

The Purpose of Life
is a Life of Purpose



1st City of Chicago Green Roof WEBSITE

Green Roofs are a social and economical investment in an improved relationship with nature. A friendly interactive web interface shares best practices, case studies, and intensive and extensive green roof plants with the public encouraging green infrastructure and biodiversity of life.

Greening Shorewood High School

Connecting students, teachers, principals, professionals, and administrators Into a Greening Shorewood Team, the Highschool Campus becomes a learning lab with Solar Thermal for the pool, Solar Panels offsetting electricity, raised urban AG Beds growing community food, water filtering bioswales in the parking lot and along Capitol Drive, and the first water Filtering Athletic Field in WI. [Students conducted a survey of how \(or not \) the environment was taught in separate subject.](#)

Founded the 3rd Architecture Program in Chicago

The School of the Art Institute of Chicago Department of Architecture, Interior Architecture, and Designed Objects

People + Place + Potential

ecological

Landscape Territory
Field
Design for Sustainability
Green Materials
Architecture and
Fashion
Expressions of Ecology
Eco Design

environmental

Architecture Survey:
Ancient to 1750's
Architecture Survey:
1750's to Present
Meaning in
Architecture
Architectural Theory
w/LA
Interiority w/AH
Constructing Site
Wayfinding w/VISCOM

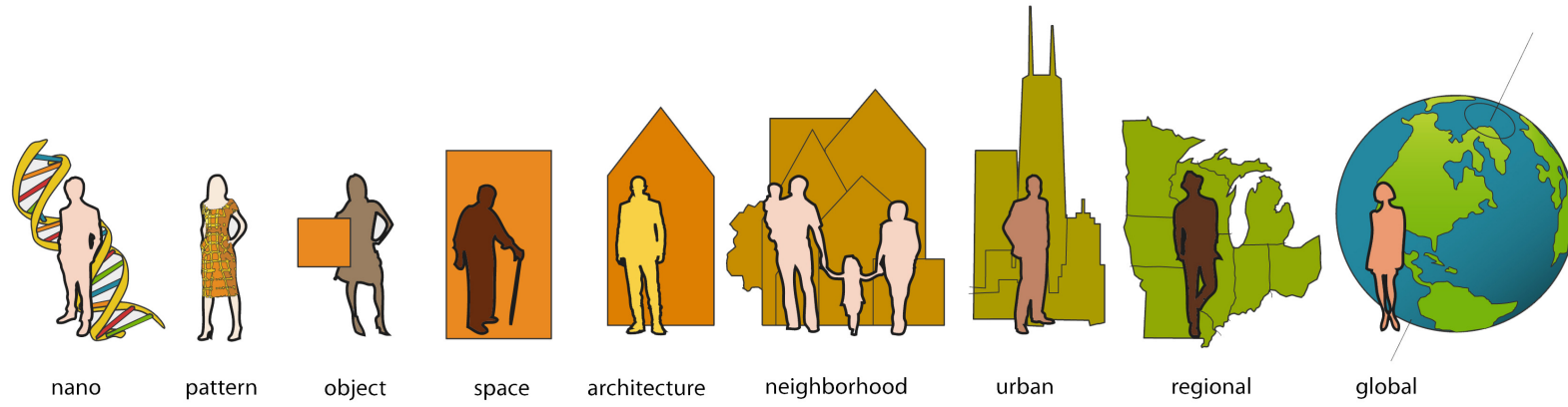
AIADO

ethical

Intro to Design ARTS
Ethical imagination
Design Denied
Necessity of Design
Families
Design Advocacy
Writing About
Architecture and Design

engaged

Architecture & Film
Architecture & Animation
Conceptual Sketching
Sketching Chicago
Sketching in the Landscape
Design Drawing
Spatial Imaging
Spatial Animation
Interactive Space
Electronic Self Portrait
From the Physical to the
Virtual
Immersive Space



We live in a Designed World.


Nature's...



... and our own!



Let's Learn About & From Them Together



architecture
indoor and outdoor living spaces, buildings and groupings of buildings, connected with natural living and non living systems

art & design
architecture
language arts
engineering
environment
eco literacy

health & p.e.
math
science
social studies
technology
digital fluency



environment
spatial and temporal relationships of the natural and constructed world

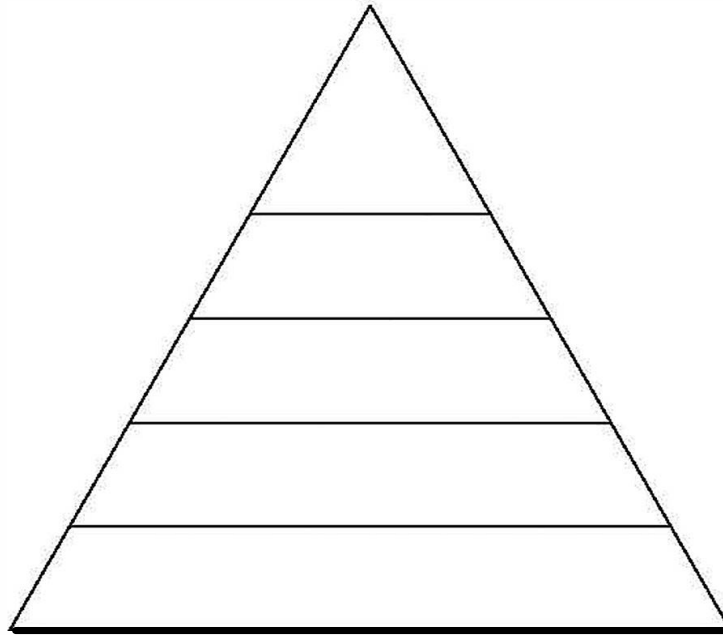
art & design
✓ **architecture**
language arts
engineering
environment
eco literacy

health & p.e.
math
science
social studies
technology
digital fluency

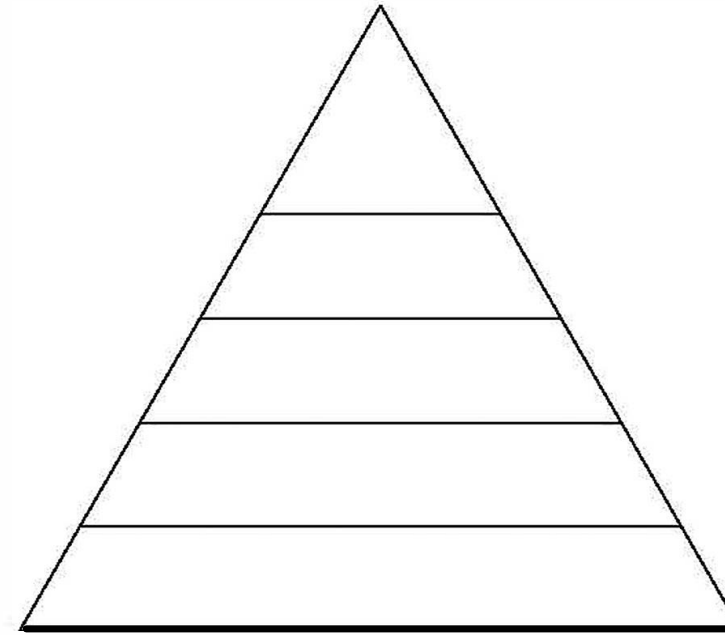




Wellbeing Triangle



What makes you happy?



What makes you healthy?

Fill the what's important for your happiness and healthiness into the wellbeing triangle!



**DESIGN IS OUR
WORLD**

Design is a noun

Design is a verb

Write as many things and systems
you can think of in 1 minute!

Write as many actions and processes
you can think of in 1 minute!



Write as many actions and processes
you can think of in 1 minute!



DESIGN BY NATURE

Color and cut out the different parts of nature. Then glue them on the clock and in the dotted boxes where they belong.



Flowering plants (118 m.y.)



Oldest preserved rocks (3,900 m.y.)



Earliest fossils (bacteria, 3,500 m.y.)



Reptiles (330 m.y.)



Complex organisms (700 m.y.)



Birds (145 m.y.)



Humans



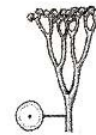
Fish (426 m.y.)



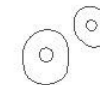
Mammals (220 m.y.)



Dinosaurs (240 m.y.)



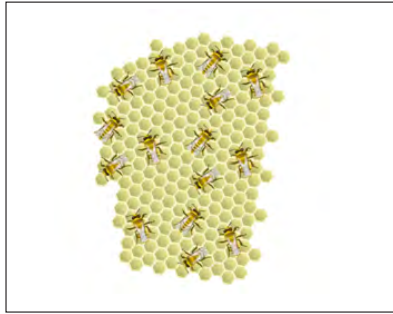
Land plants (420 m.y.)



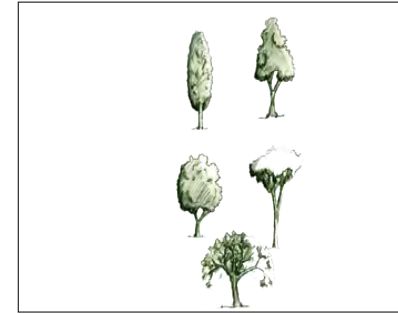
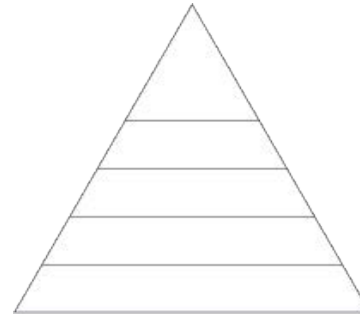
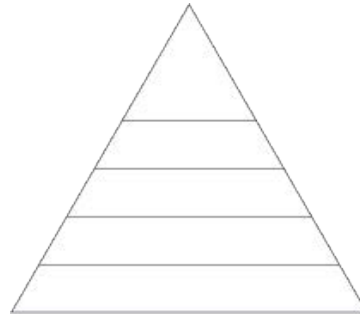
Cells with a nucleus (1,500 m.y.)



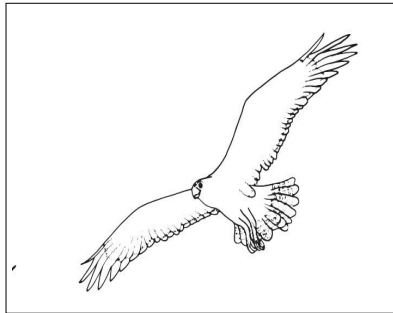
Empathy



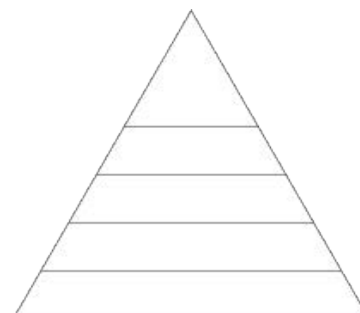
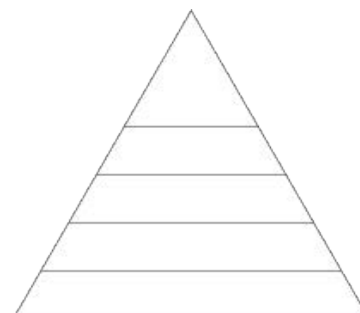
Bee



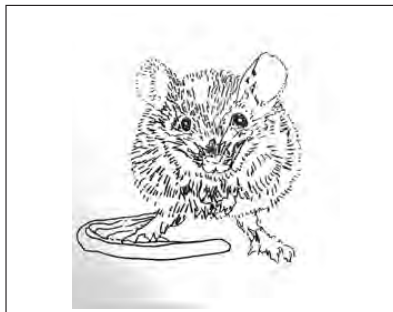
Tree



Bird



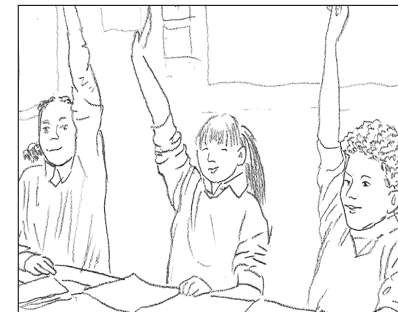
Toddler



Mouse

Start with yourself and label your essential needs to live a good life. Then consider a bee, a bird, a mouse, a tree, or a toddler.

Think about what living a good life means for you and draw your triangle and then choose one of the others and draw a triangle of well being for this life. Thinking from another's perspective builds empathy.



You


PEOPLE

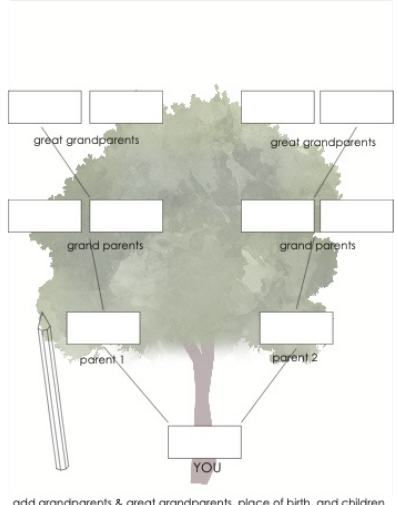
+

PLACE

+

POTENTIAL

NEXT.cc  **FAMILY TREE**



parent 1

great grandparents

great grandparents

parent 2

grand parents

grand parents

place of birth

parent 1

parent 2



YOU


vocation

add grandparents & great grandparents, place of birth, and children

vocation

NEXT.cc © 2020 20 NEXT.cc Journal <https://www.next.cc/journeytools/journal>

NEXT.cc  **TREE OF LIFE** 



draw insects that live in the tree

draw animals that live in the tree


draw insects that live in the bark

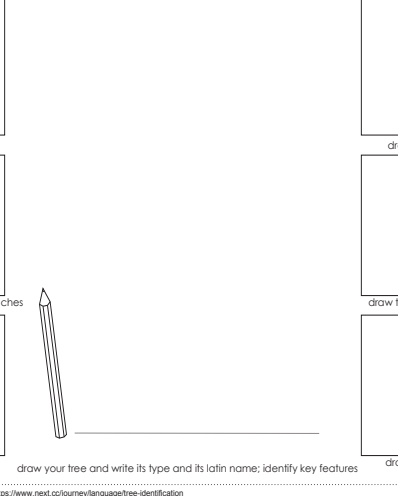
draw animals that live in the bark

draw insects that live in the ground

draw animals that live in the ground

NEXT.cc © 2020 NEXT.cc TREE OF LIFE

NEXT.cc  **TREE IDENTIFICATION**



draw the shape of the tree

draw a leaf from the tree

draw the main & secondary branches

draw the arrangements of leaves

draw the bark of the tree

draw your tree and write its type and its latin name; identify key features

draw the bark of the tree

NEXT.cc © 2020 NEXT.cc Tree Identification <https://www.next.cc/journey/language/tree-identification>



Biomes


Grasslands


Alpine


Savanna


Taiga


Desert


Tundra


Tropical
Rainforest


Deciduous
Forest





9 Scales of Home



World



Region



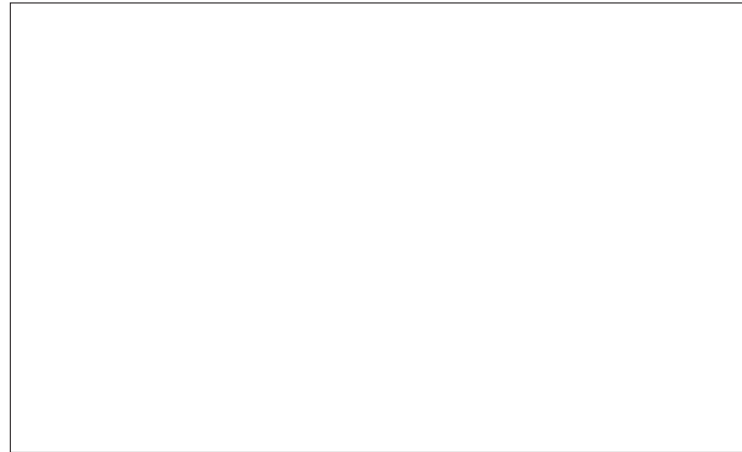
Urban



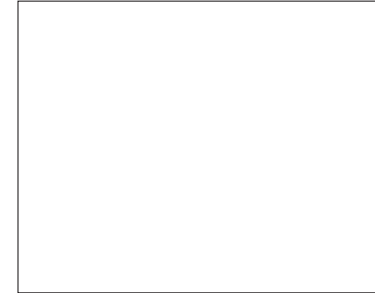
Neighborhood



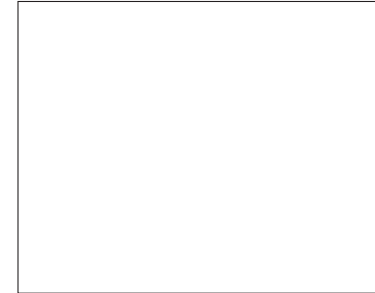
Architecture



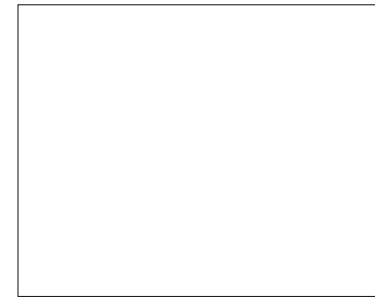
Space



Object



Pattern

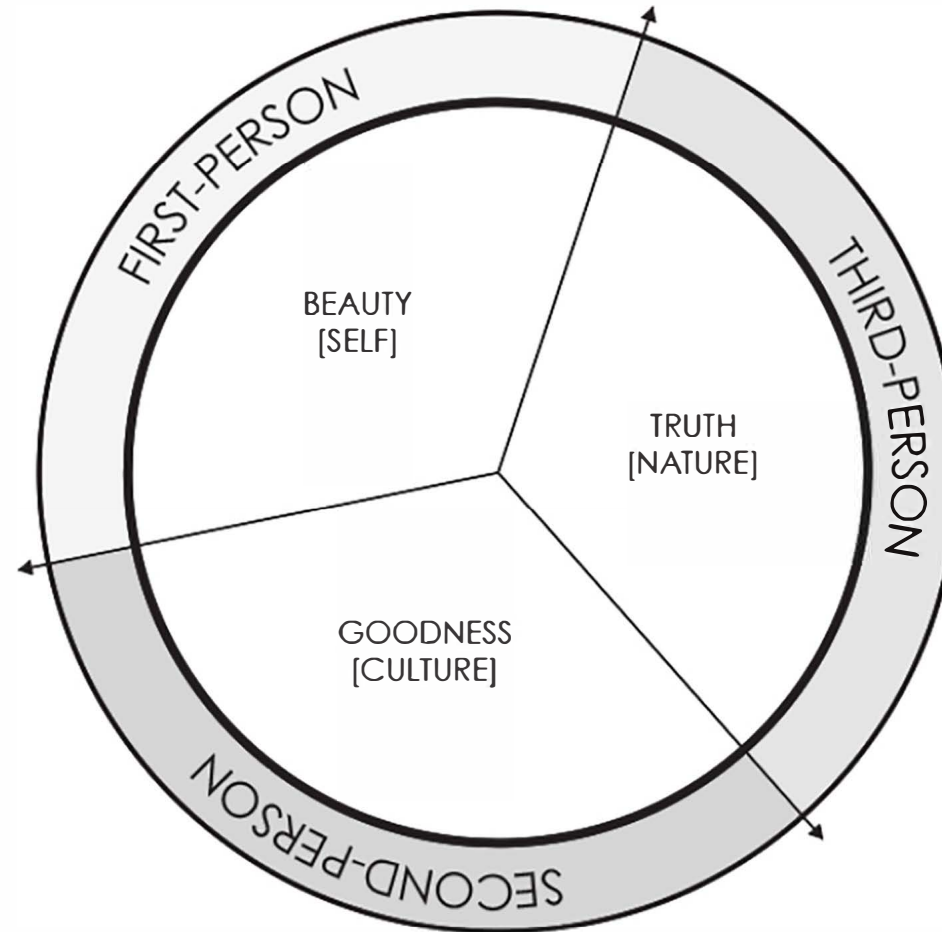


Nano

upload your gallery entry today!

LilyLing Goldstein
NEXT.cc Pilot Partner





1,2,3
Connect!

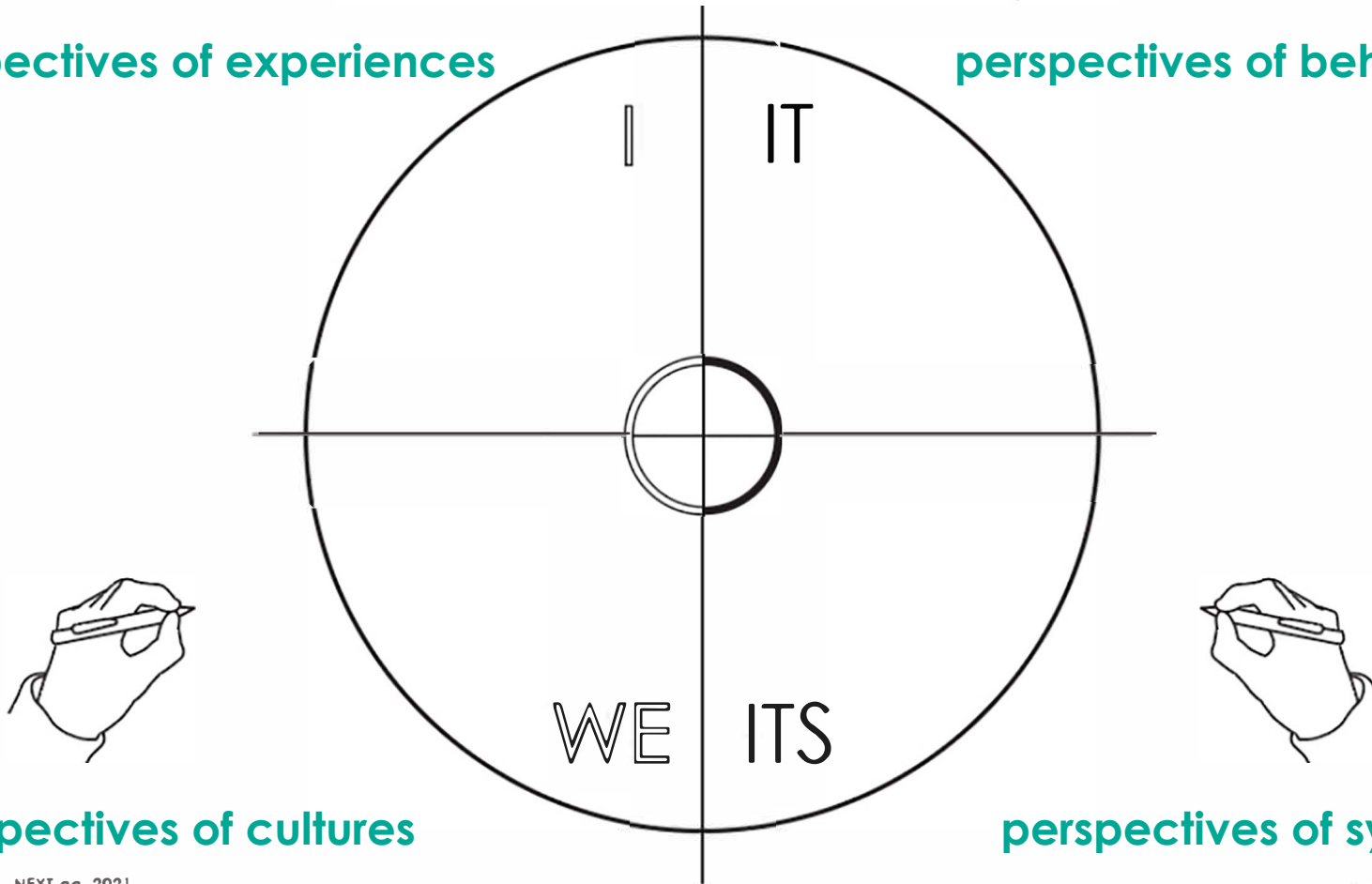




Understand
I/We & IT/ITS
QUADRANTS

perspectives of experiences

perspectives of behaviors



perspectives of cultures

perspectives of systems

NEXT cc 2021

Adapted¹ from Integral Sustainability Design, Mark Dekay

Keane & Keane 2015

designing mind

divergent
aptitude

It, its
I, we
subjective
objective

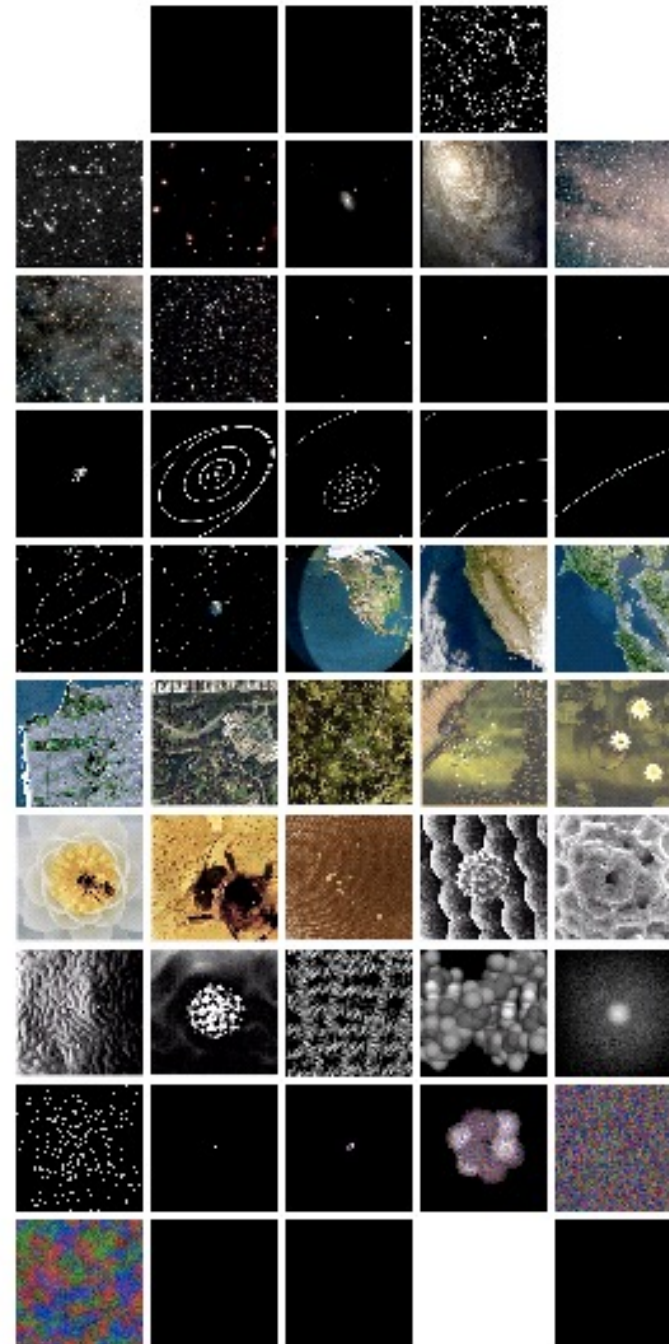
convergent
confidence

creators & participants



*I believe a blade of grass is no less than the
journey work of the stars.*
Walt Whitman

Powers of Ten
Rae and Charles Eames
<http://www.powersof10.com/>





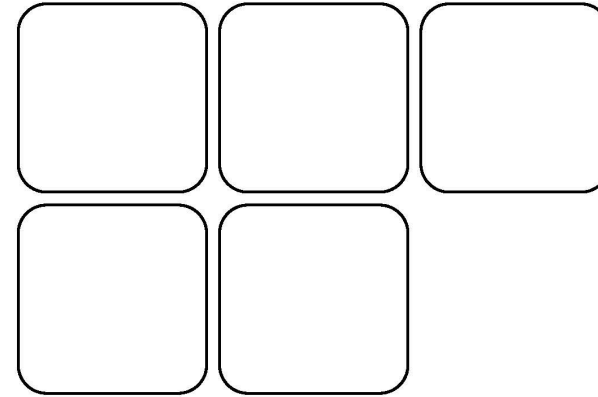
The Mannahatta Project Wildlife Conservation Society (<http://welikia.org/m-map.php>)

Everything is
connected
(consilience)

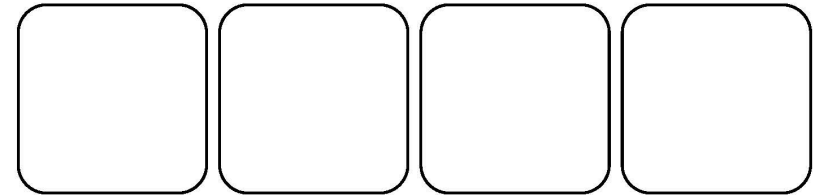
habits of a

**SYSTEMS
THINKER**

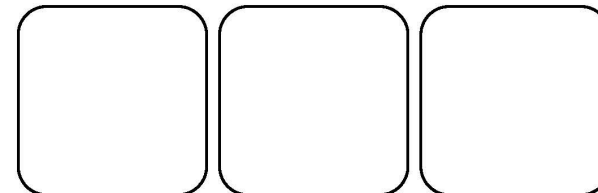
big picture



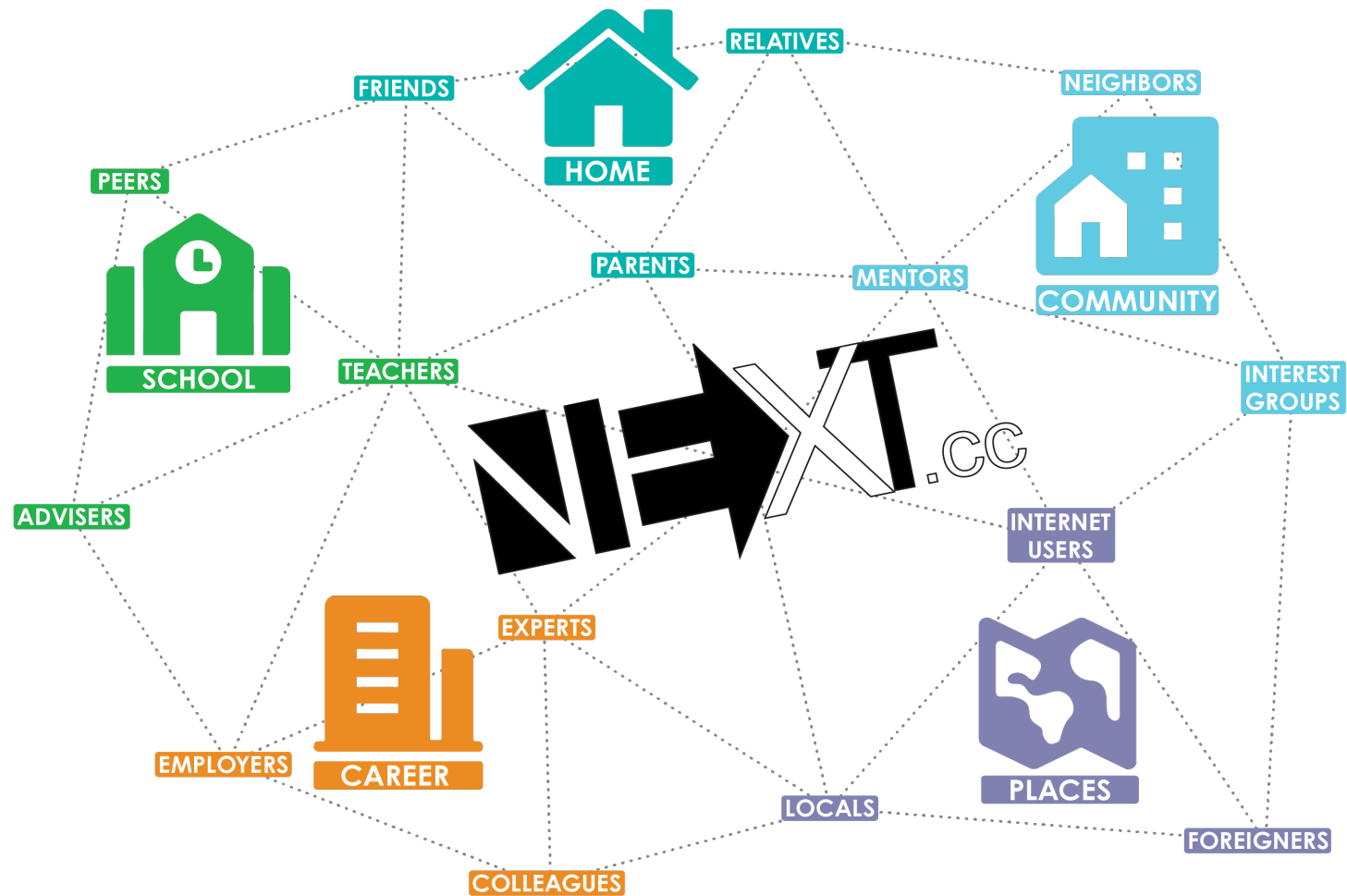
part to whole



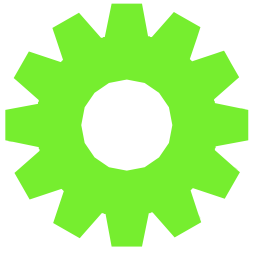
diverse approaches
over time



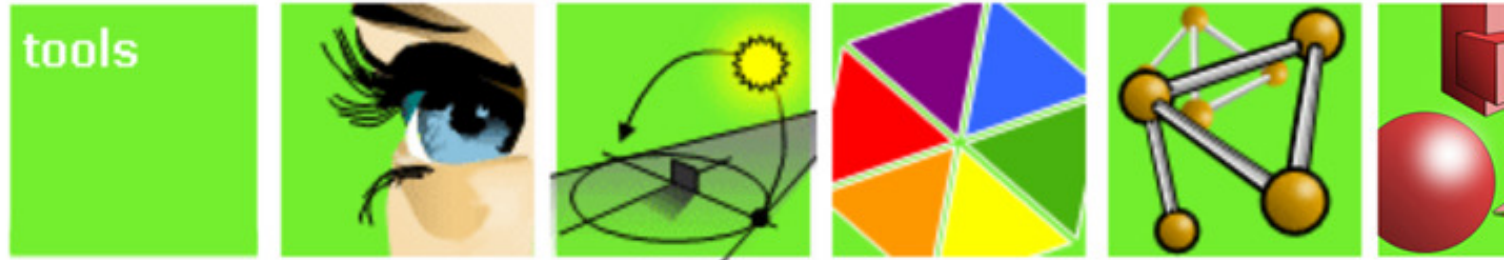
creating new awareness + understanding + connectivity



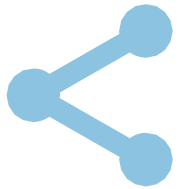
Informal and lifelong E-learning 24/7



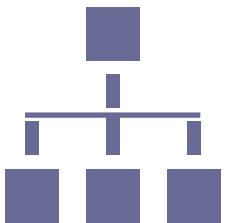
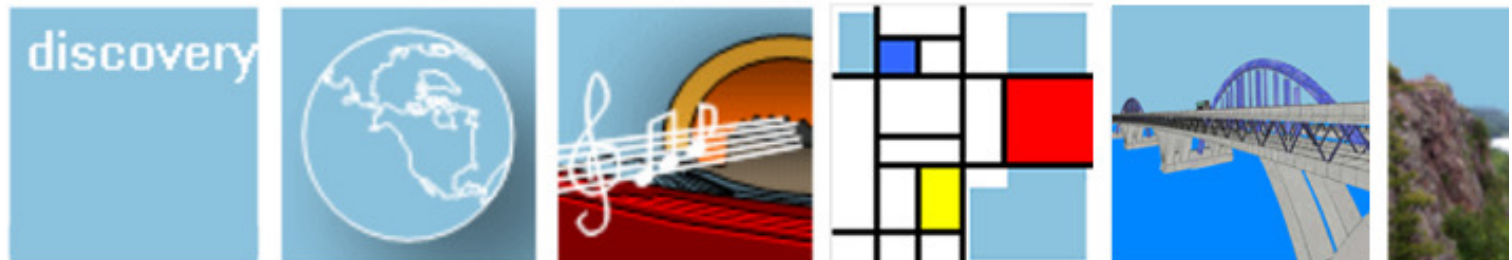
TOOLS



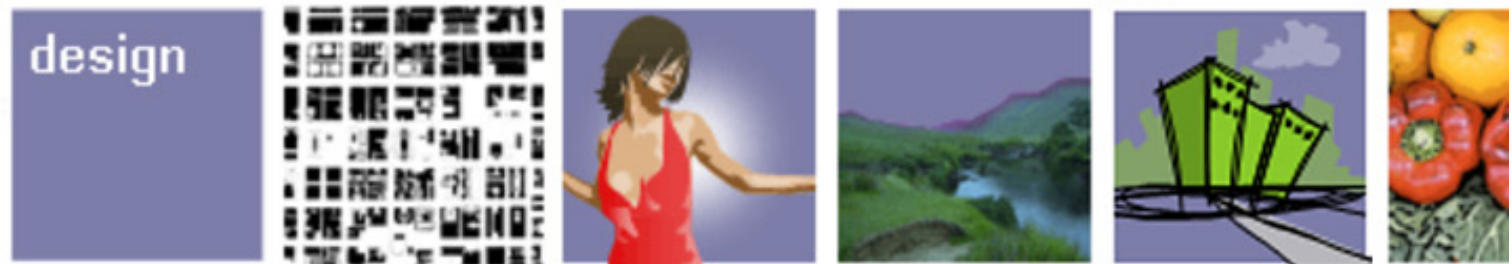
LANGUAGES



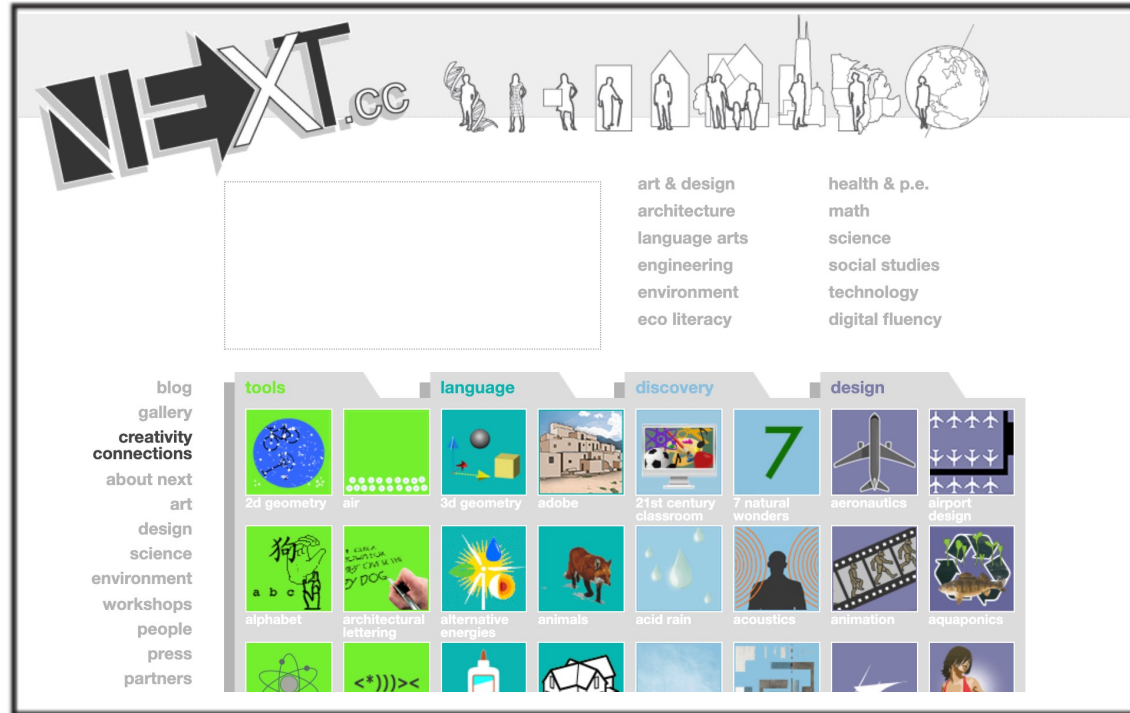
DISCOVERY



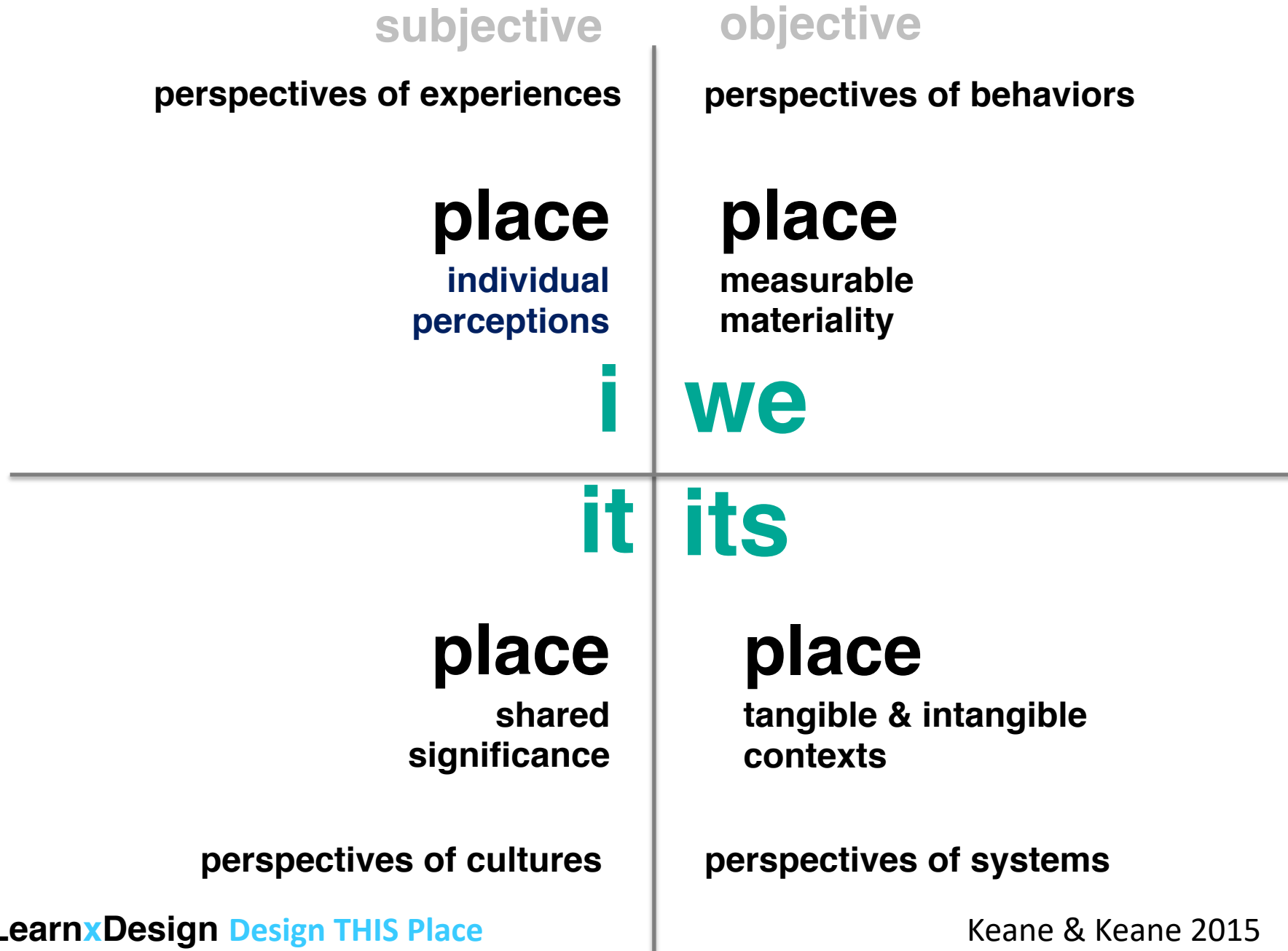
DESIGN



OPEN e-LEARNING RESOURCES FOR



CREATIVE PLACE-BASED CONNECTIONS





DESCRIBE A PLACE

A + Natural Place	A - Natural Place	A + Built Place	A - Built Place
describe in 3 sentences	describe in 3 sentences	describe in 3 sentences	describe in 3 sentences
list positive adjectives	list negative adjectives	list positive adjectives	list negative adjectives
draw the place	draw the place	draw the place	draw the place

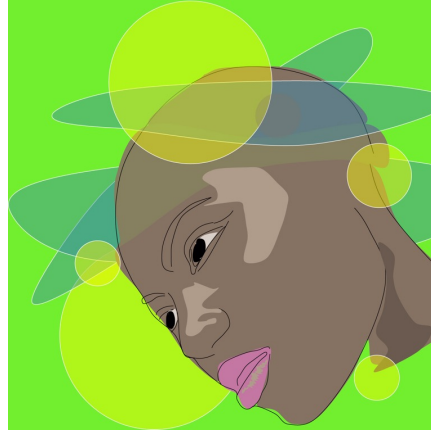
Use our senses, look, listen, feel, share stories



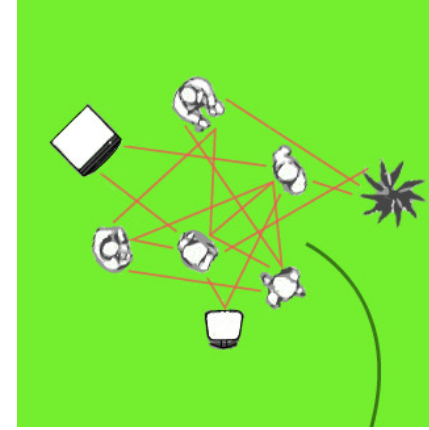
NEXT.cc Senses



NEXT.cc Listening



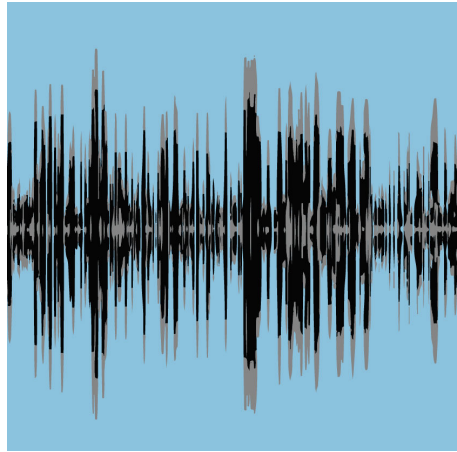
NEXT.cc Imagination



NEXT.cc Diagramming



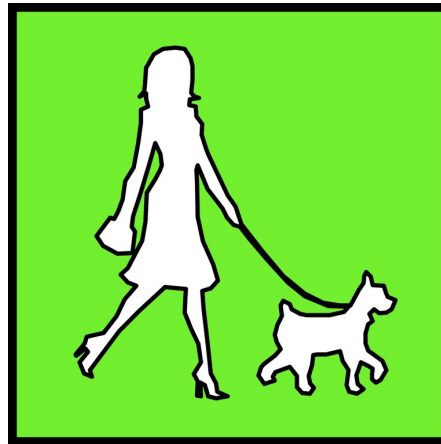
NEXT.cc Collaboration



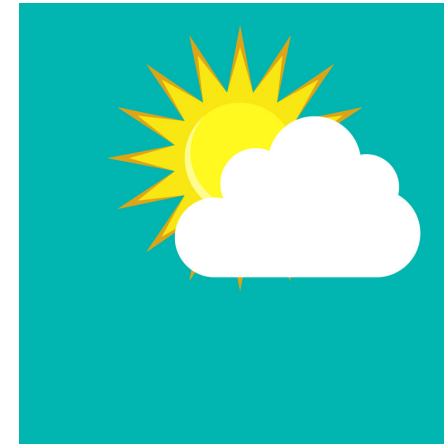
NEXT.cc Sound Mapping



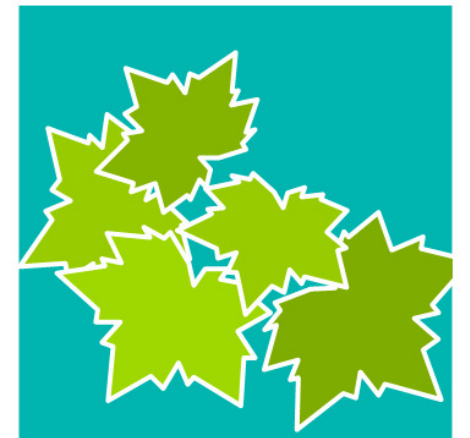
NEXT.cc Story Telling



NEXT.cc Walking

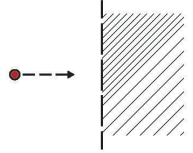


NEXT.cc Weather



NEXT.cc Nature Patterns

Use Senses to Explore and Experience a site



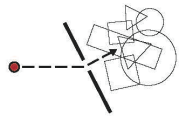
walk towards



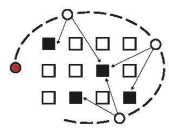
walk across



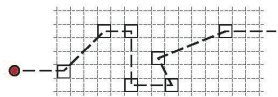
walk along



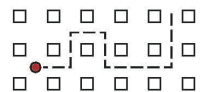
walk into



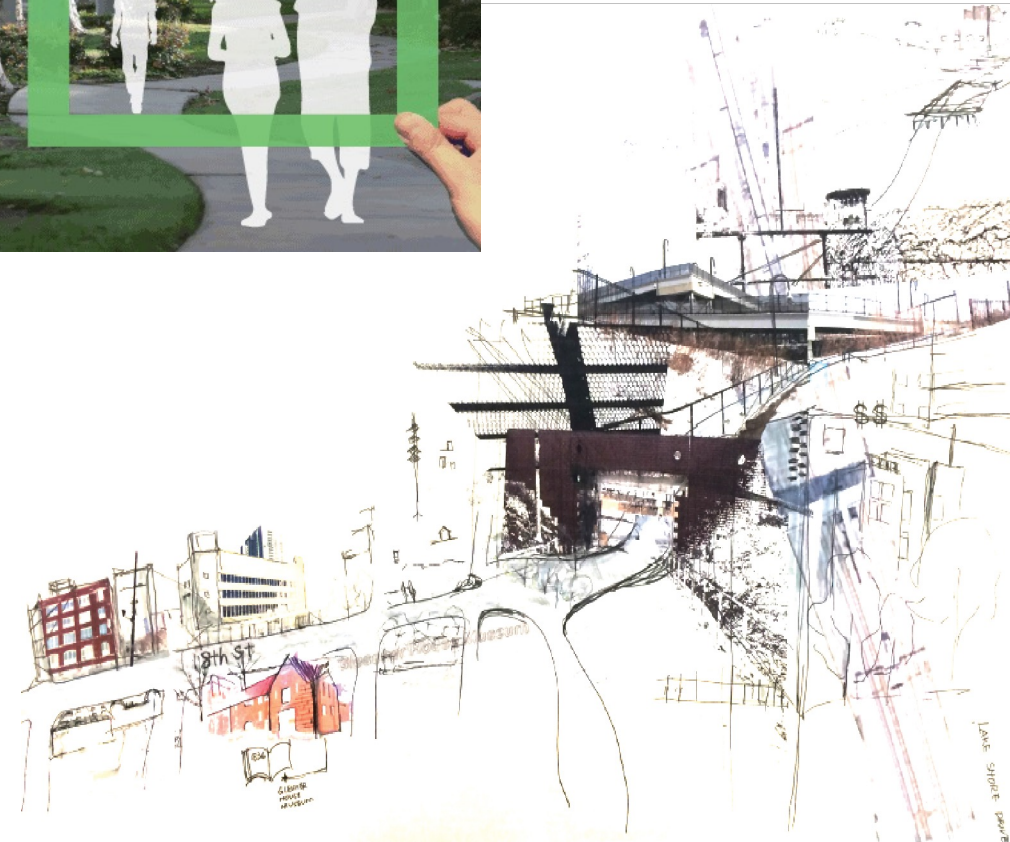
walk out



walk through



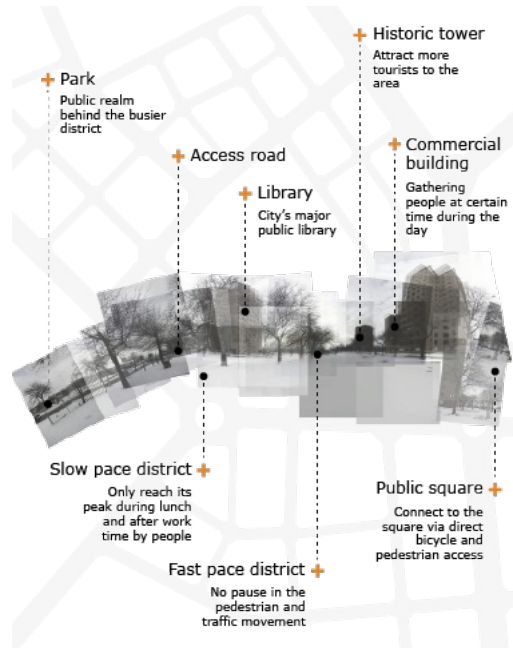
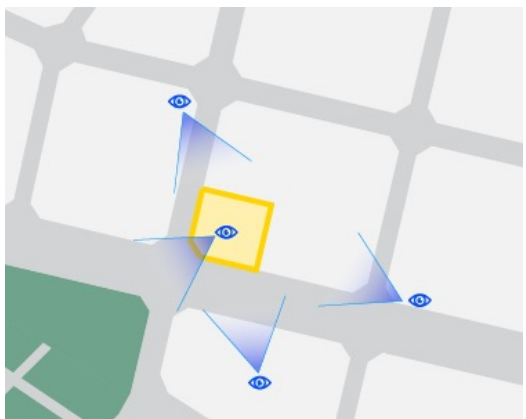
walk about

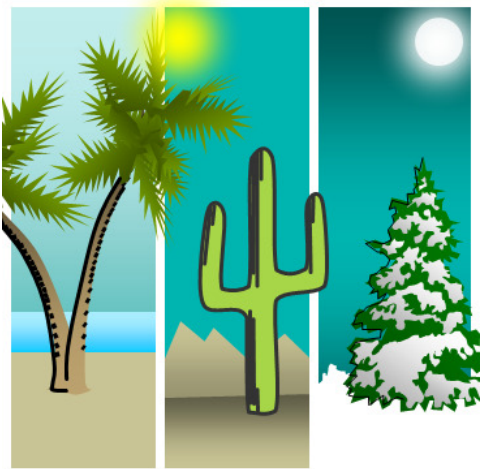




PROJECT		LOCATION/ SURROUNDING LAND MARKS			
LOCATION	PEOPLE	OBJECTS	ENVIRONMENTS	MESSAGES	SERVICES
TIME					
AM 1 2 3 4 5 6 7 8 9 10 11 12					
PM 1 2 3 4 5 6 7 8 9 10 11 12					
ACTIVITY/PURPOSE					
	RESEARCH SUMMARY				

Analyze a Space





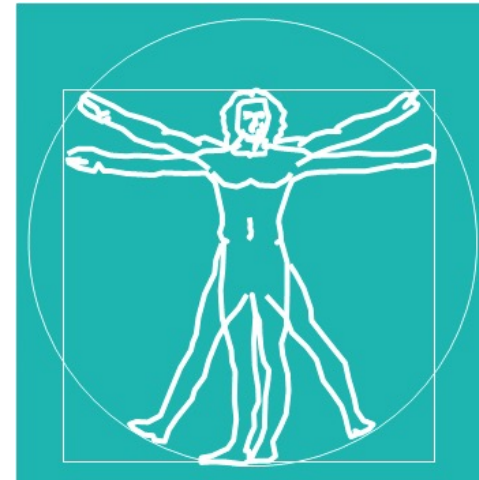
NEXT.cc Climate



NEXT.cc Measure



NEXT.cc Scale



NEXT.cc Proportion



NEXT.cc Buildings As Bodies

MEASURE A SPACE OR AN OBJECT

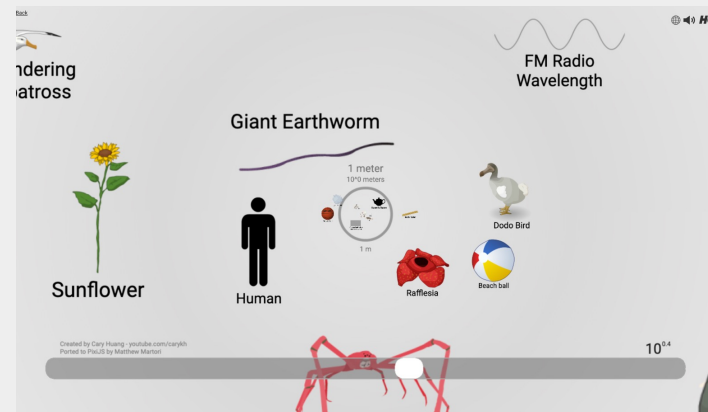


activity 1 – rule the world! answer "how tall, wide, or far is it?"

Armed with marks on a stick, take measure of your world. Measure ten items that you use everyday. Measure your toothbrush, your bed, your shoes, and the height of your cereal box, your kitchen table, your schoolbook, your notebook, your eraser, your pencil, and your backpack. Make a chart that shows the length of the smallest object to the largest object. Which object is less than one foot (12 inches)? Which object is more than a foot? And which objects are more than three feet, or a yard? Which distances are measured in millimeters, centimeters, meters and kilometers? Put these ten words in order from smallest unit of measurement to largest:

length of a 747 Jet
width of a golf ball
length of an ant
width of a Street
height of an Ostrich
diameter of the Earth
Great Pyramid
height of an apple
width of a plant Cell
Mount Kilimanjaro

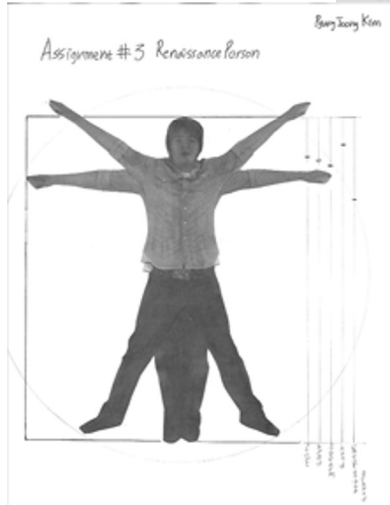
Try looking at **Universal Scale** to get ideas for measuring the world!



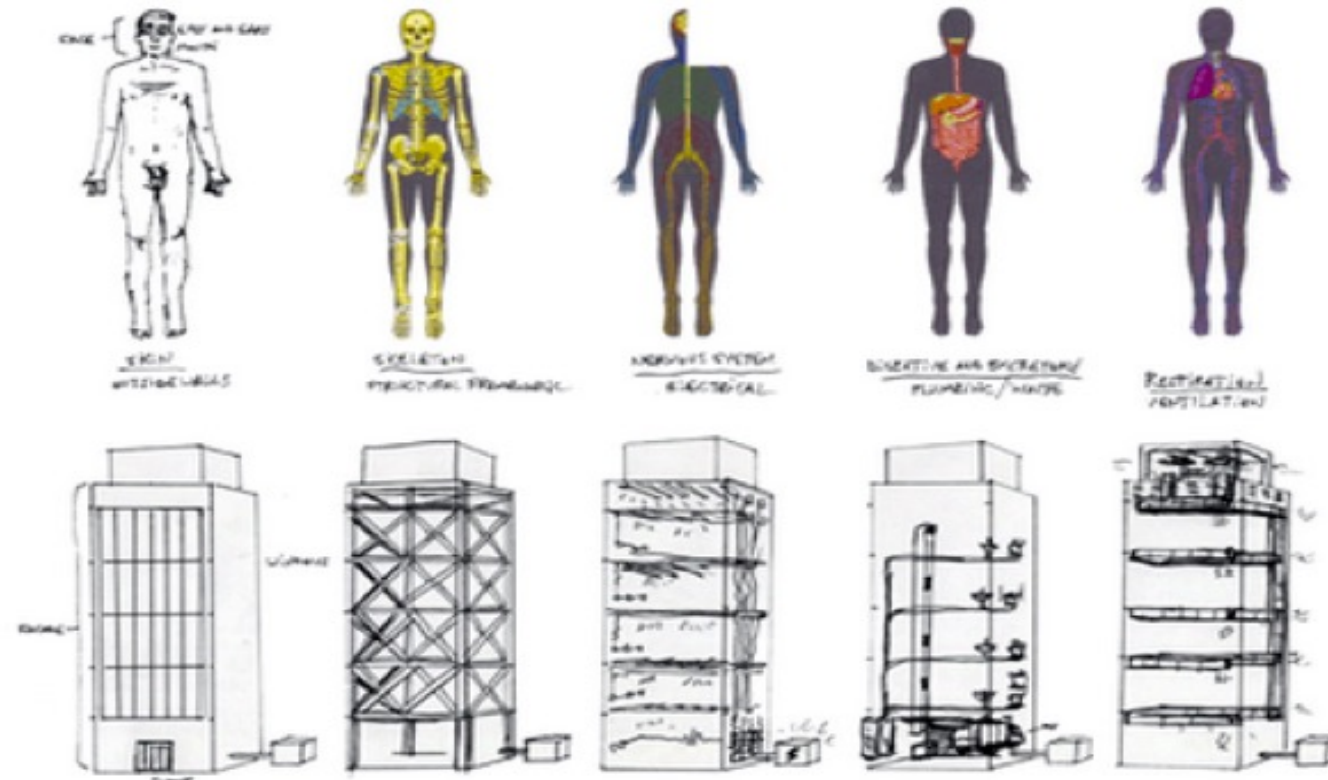
activity 1 – construct a human building

upload your gallery entry today!

Slade Kaufman
SAIC Aiado Eco Design



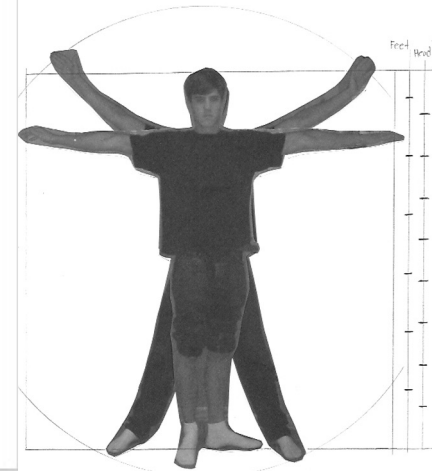
RENAISSANCE JACKIE



Renaissance Nadia



Renaissance Troy



<https://www.next.cc/journey/discovery/buildings-as-bodies>

prev | next



NEXT.cc People



NEXT.cc Place Exploration



Place Experience



Experience Design



Placemaking

10 Places in your city

review

1. Placemaking

- ☐ a. improves public space.
- ☐ b. enhances collaboration within a community.
- ☐ c. strengthens local identity.
- ☐ d. all of the above.

2. The power of ten in Placemaking refers to:

- ☐ a. the number of community members needed in order to start a project.
- ☐ b. the number of things to do in a space.
- ☐ c. the amount of money a space should generate.
- ☐ d. the amount of money needed to build a place.

3. Which is not necessarily a key quality of a successful place?

- ☐ a. sociability
- ☐ b. revenue
- ☐ c. uses + activities
- ☐ d. comfort + image

4. A place is always a space but a space is not always a place.

- ☐ a. true
- ☐ b. false

5. Place and space mean the same thing.

- ☐ a. true
- ☐ b. false

check answers

<https://www.next.cc/journey/tools/placemaking>

Power of 10

10 destinations

10 activities

10 views

10 ages involved

10 materials

10 planting materials

10 places to sit!

What does Power of 10
mean to you and your
places?

10 Places in your city



Metropolitan Planning Council Placemaking w/Project for Public Spaces

<https://www.next.cc/journey/tools/placemaking>



What's missing?

activity 5 – placemake your playground

One common public place is the school playground. What happens here? What are the active and passive functions? Who uses the playground? What happens when school is not in session? Who uses it then? What is the character of the playground? Create a survey for teachers, students and neighbors of the playground.

Develop a few questions and ask them what they like and do not like about the existing playground place. Make a list of possible new uses that could be introduced to the playground such as game tables (like chess or domino tables), ping pong tables, a music pavilion, ice skating rink, map area, water fountain, garden area, or simple areas for grass and trees. Hand out and then collect your surveys to discover the most common requests to improve your playground. Be sure to include your teachers and your principal in your survey.



QUANTITATIVE or QUALITATIVE?

Analyze a site situation and record if your research is Quantitative (numbers) or Qualitative (value laden) with the symbols # or + or -.

How many trees are on the site?

Does the site have paths?

How many places are there to sit?

Do they appeal to a variety of ages?

What is the health of the trees?

What is their condition?

Is the seating good for all ages?

Is the space lit at night?

How about other plantings ?

What could be added?

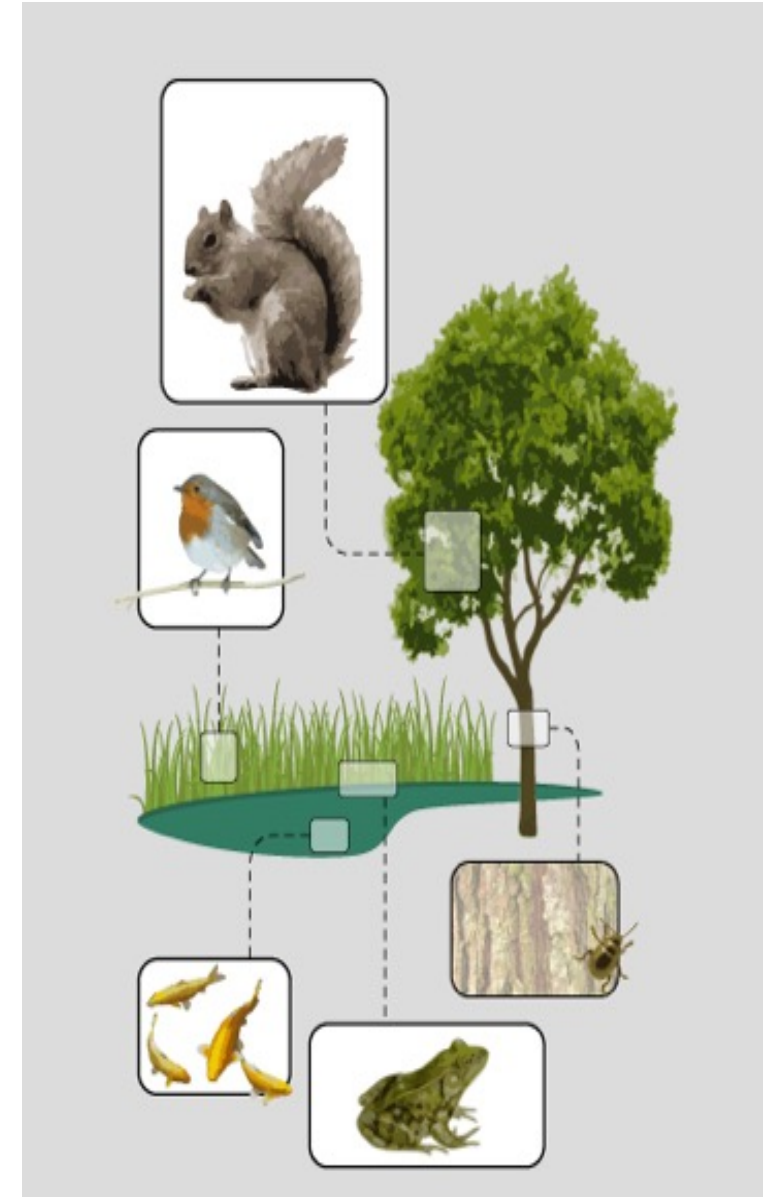
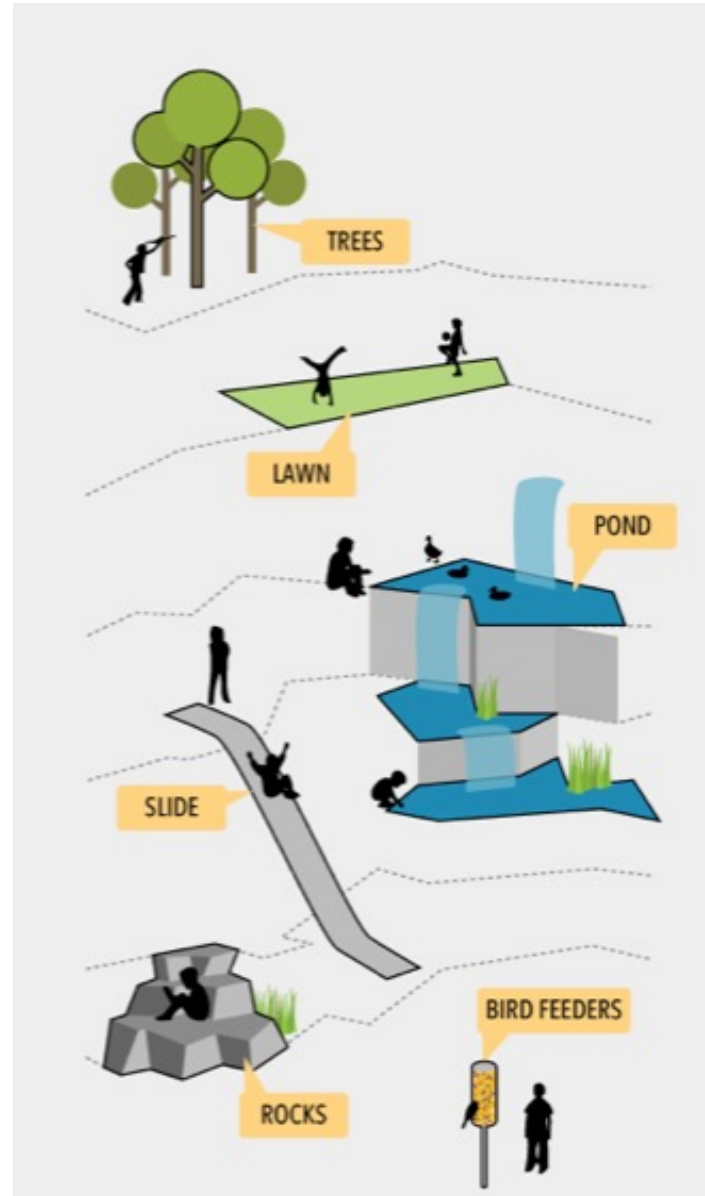
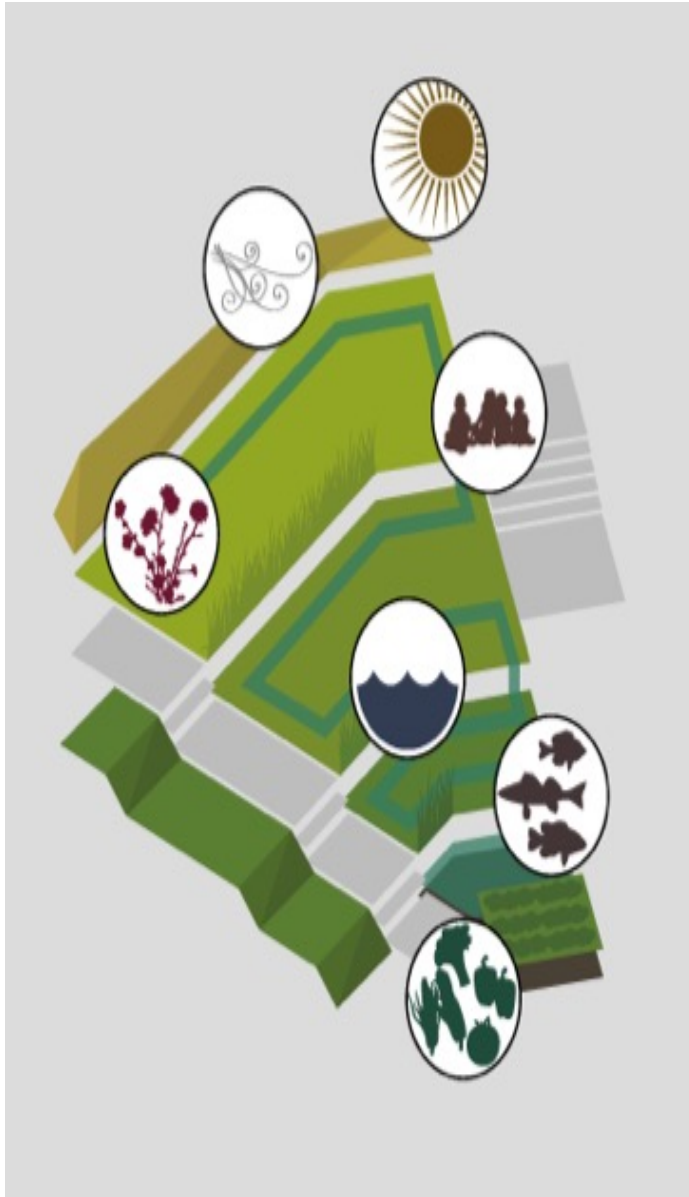
How many destinations are there?

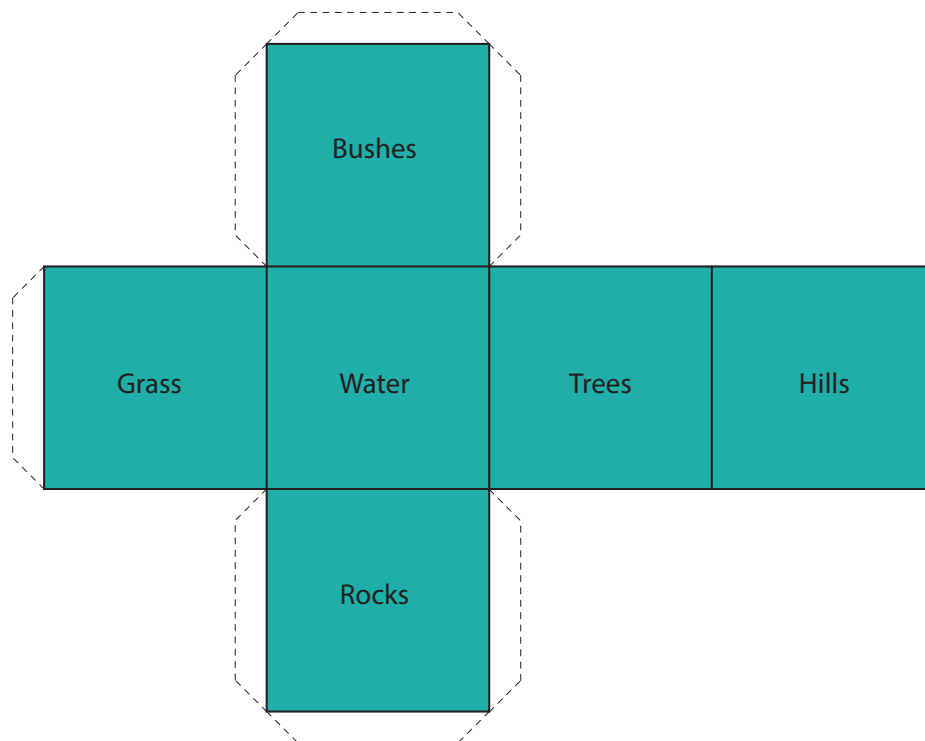
Does the lighting feel safe?

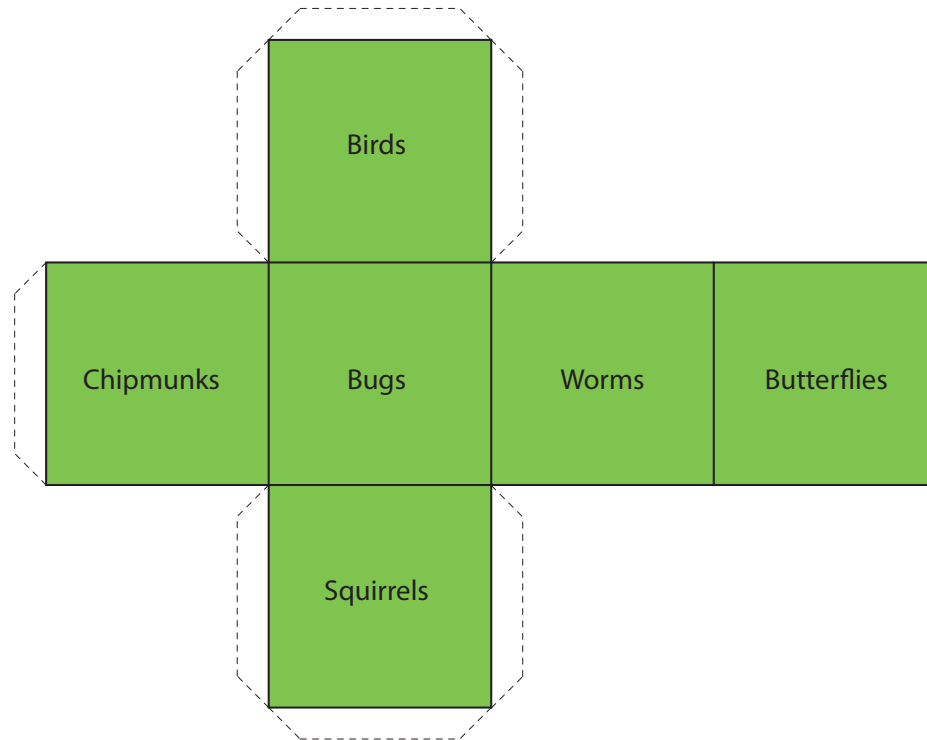
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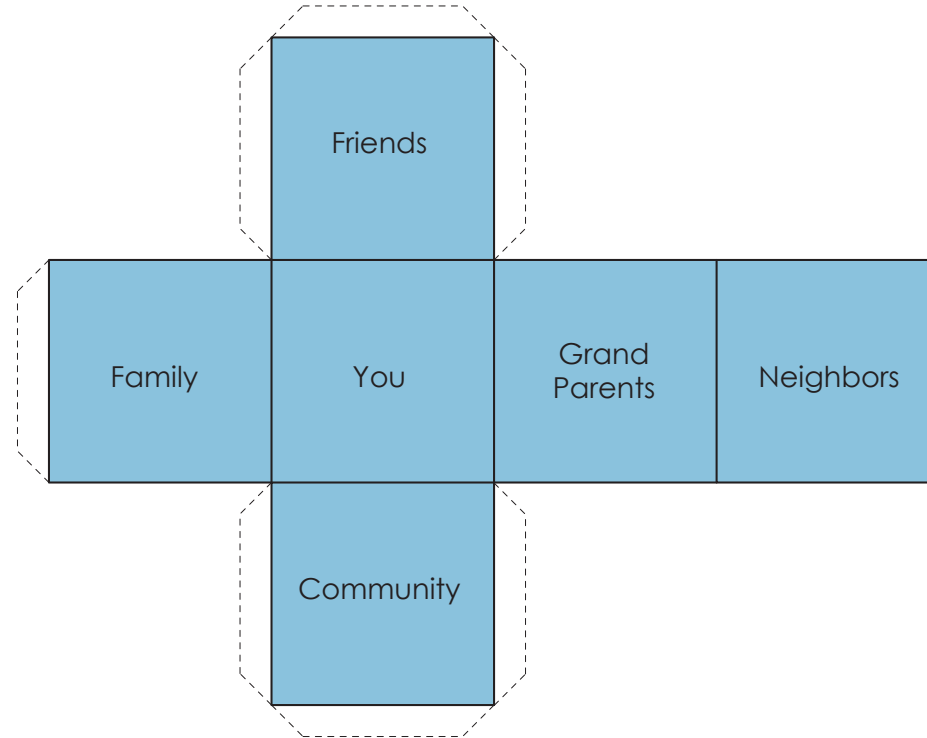
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Replace Biodiversity

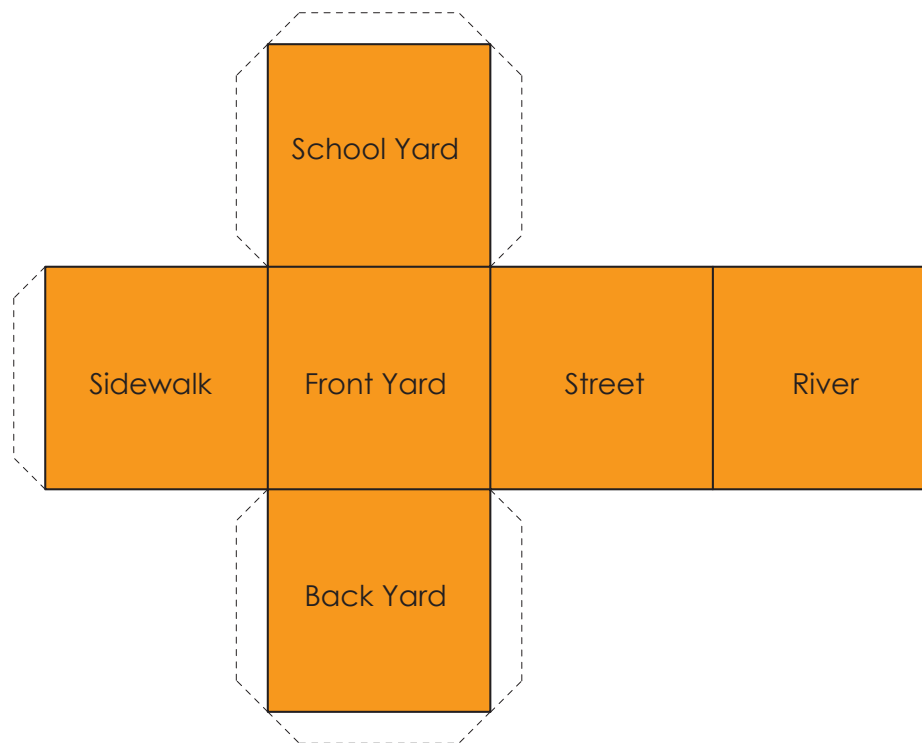




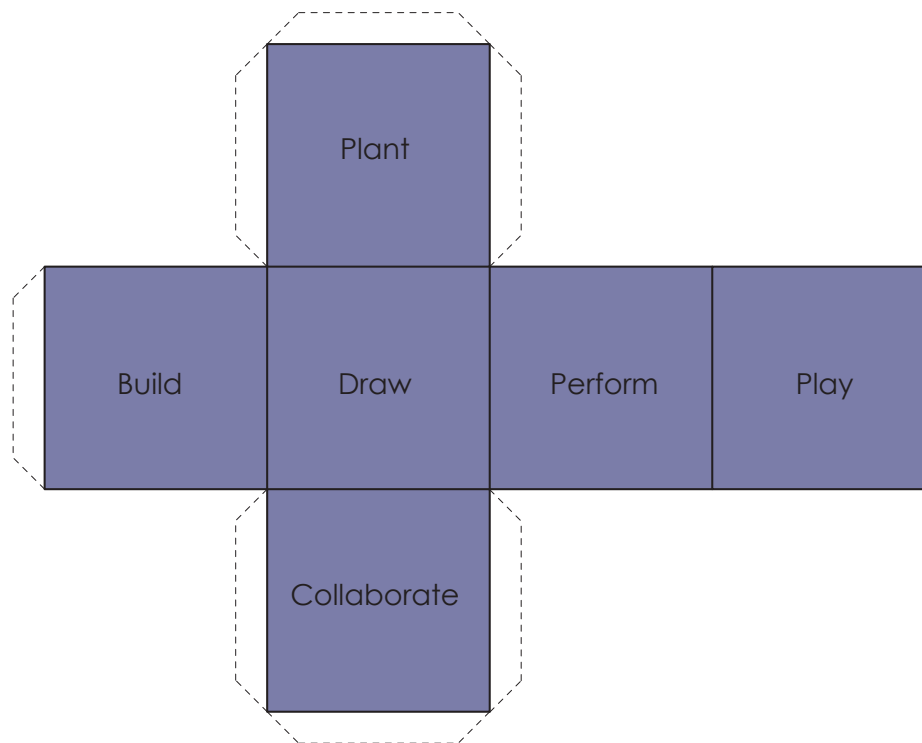




Cut out and fold and glue to make a People CUBE!

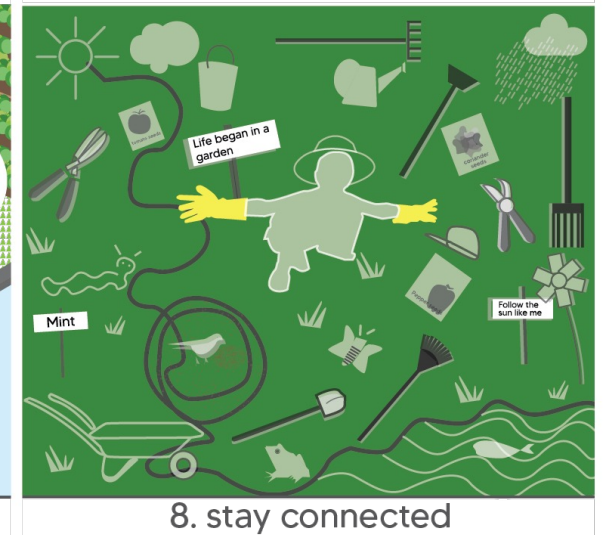
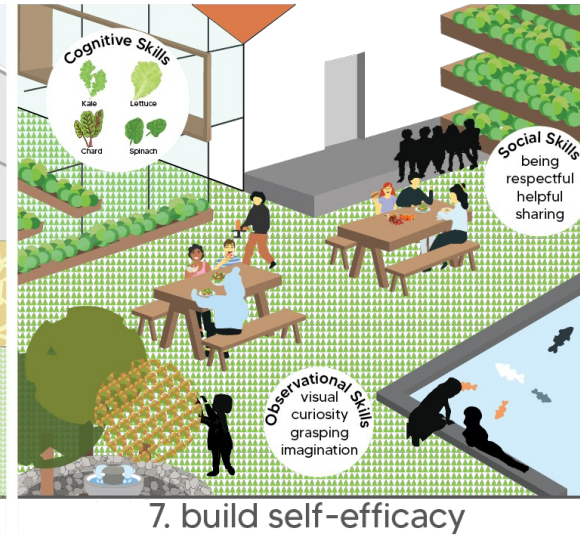
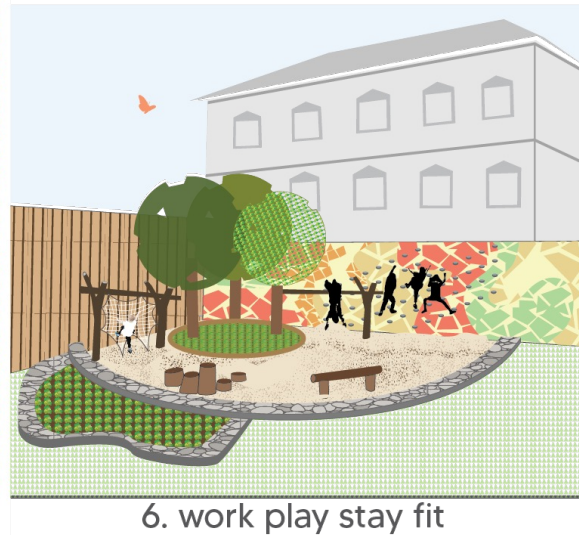
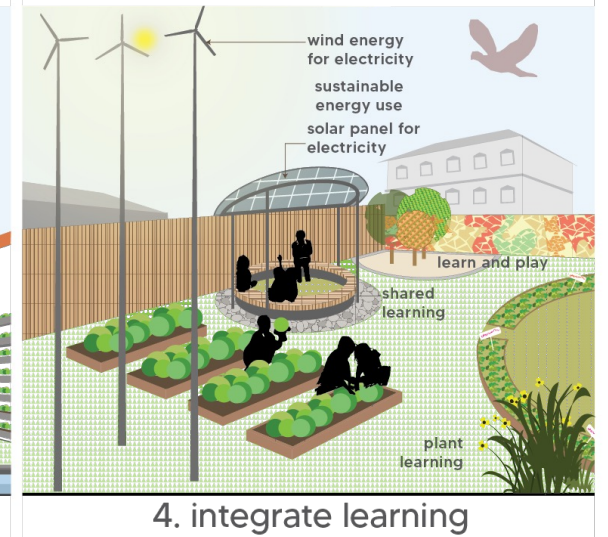
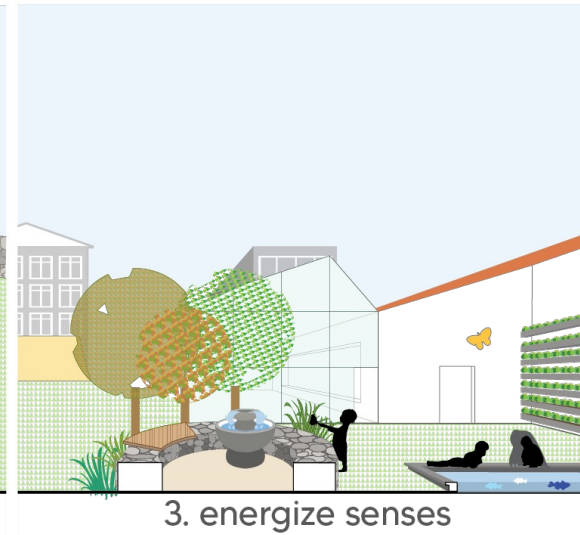
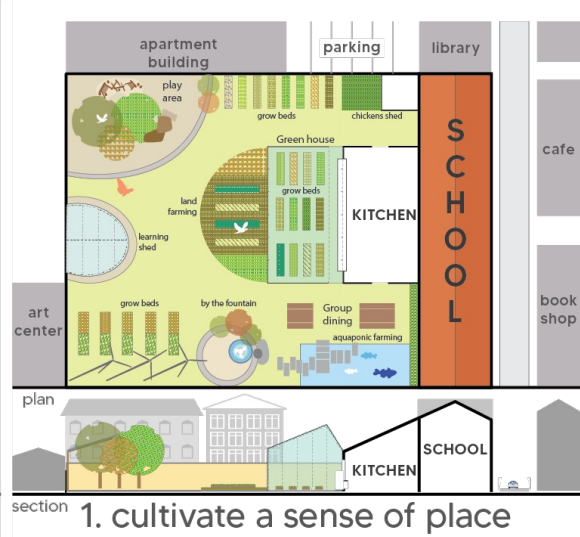


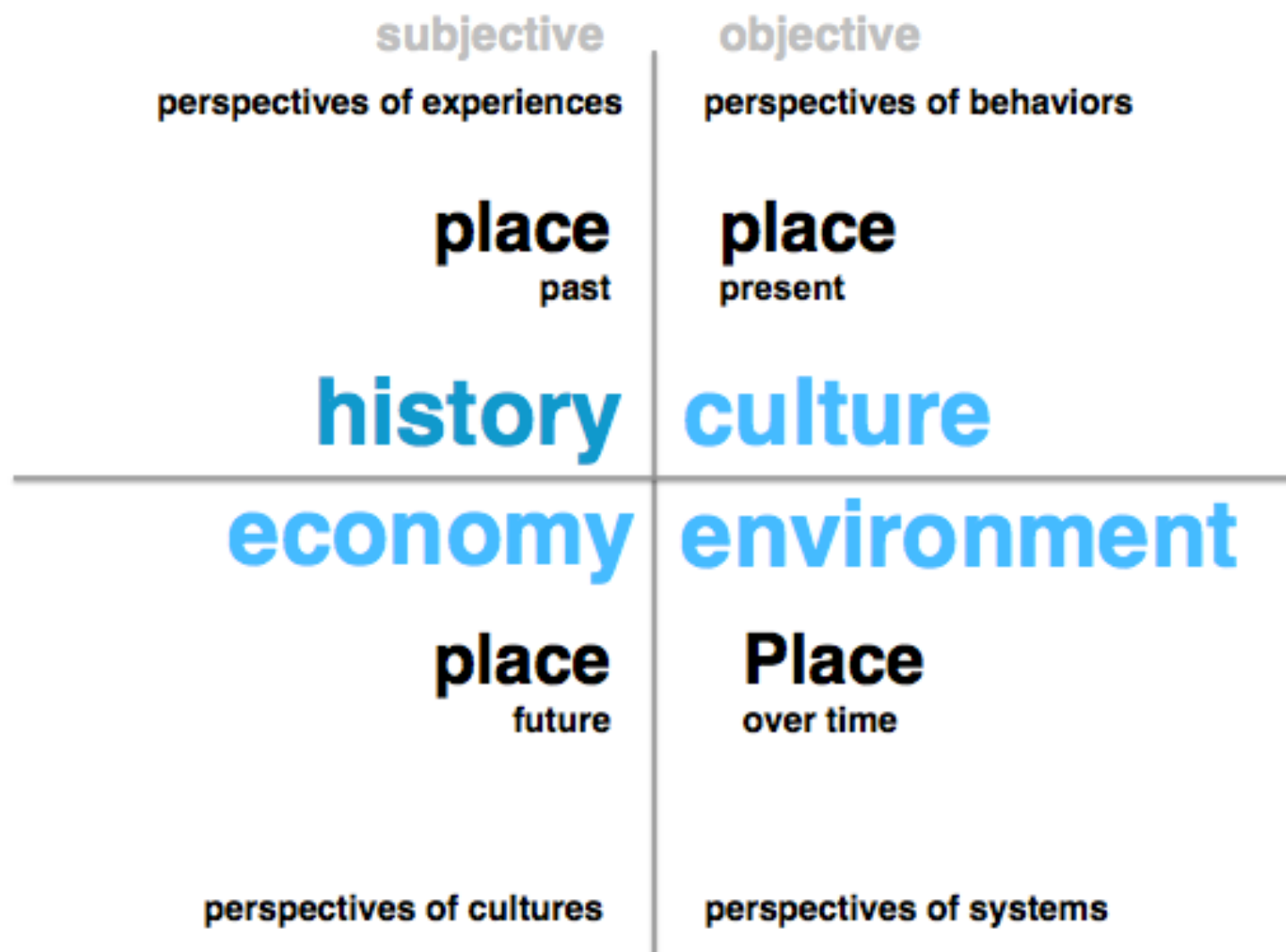
Cut out, fold and glue to make a PLACE CUBE!



Cut out, fold and glue to make a POTENTIAL CUBE!

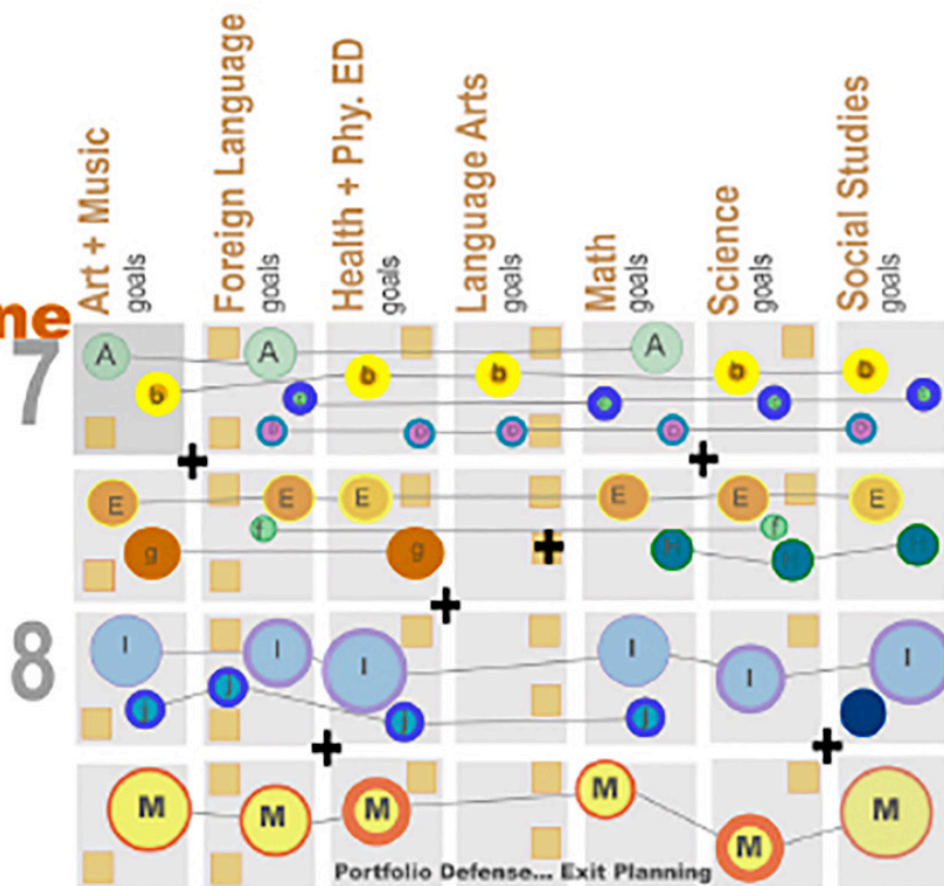
Activate a Space





**Project-Based
curriculum + campus + community**

imagine



LDI
LaCrosse
DESIGN
INSTITUTE

respect
responsibility
Research
renew

graduation
credits

collaborative
projects

book series

portfolio
reviews

service
credentials

#common experience
communication
problem solving
design portfolio

learn ... connect ... think ... design ... create

D + E + S + I + G + N

City as Classroom
Place Based

Job Shadowing
La Crosse Resources

The Designing Mind: Place Based Literacy

Inquiring
Thinking
Research
Process
Making

Curiosity
Compassion
Exploring
Critique
Reflection
Assessment
Experimenting
Diagramming
Prototyping
Testing
Evaluating

Every year in K12: Scaffolded Experiences



PLACE BASED LITERACIES

ELEMENTARY

3 rd Grade	CREATIVITY in the CLASSROOM
4 th Grade	NATURE PLAY PROJECT

MIDDLE

6 th Grade	GREEN HOMES, GREEN CITIES
7 th Grade	GREEN YOUR SCHOOL
8 th Grade	WATER WORKSHOP: MNI WICONI WATER IS LIFE

HIGH SCHOOL

9 th -12 th Grade	HIVE SUSTAINABILITY DESIGN HACK
	BIOMIMICRY WORKSHOP
	SILVER CITY PLACEMAKING WORKSHOP
	CAB AVAILABLE CITY WORKSHOP

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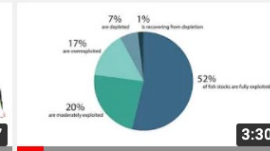
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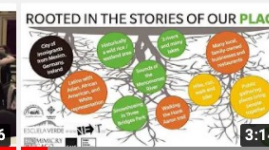
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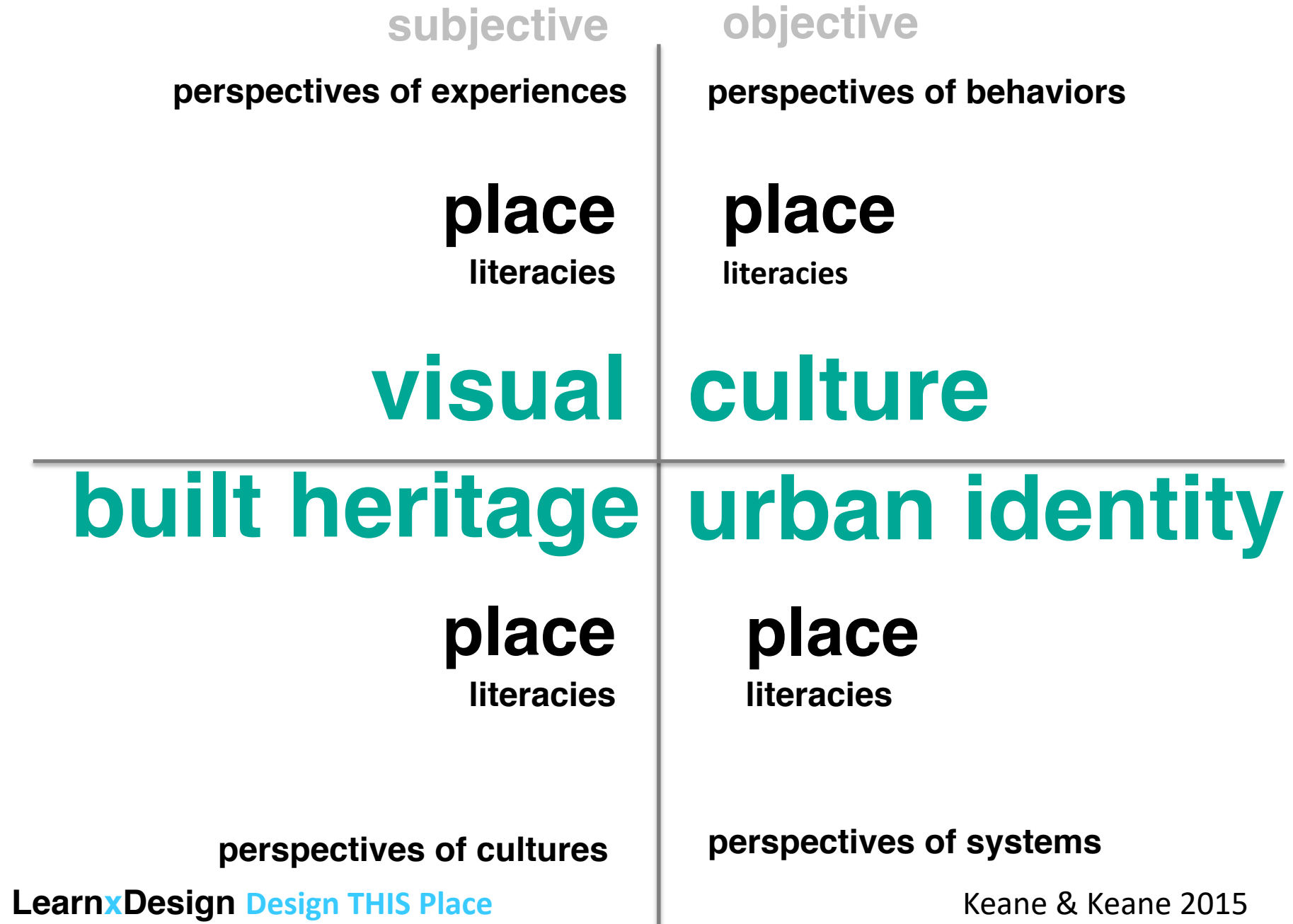
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active **participatory citizens**

engaged **urban stewards**

PLACE BASED LITERACY