

Assignment 7: Science Fair

Due: Mon Nov. 14 at 6pm: blog posting
Tues Nov. 15 at 9am in the Event Room:

I. DEVELOP

With a partner or a small group, discuss the following:

THESIS

1. What is the core question or issue driving your project?

NATURE AND ARCHITECTURE

2. What are the site's natural ecosystems and neighborhood resource flows?
3. What on-site organisms can be used to understand climate adaptation?

ECODISTRICTS

4. How can your project embody Ecodistrict principles?
5. Could adjusting your site selection make it easier to optimize site investigation or neighborhood resources?

PLACE & CULTURE

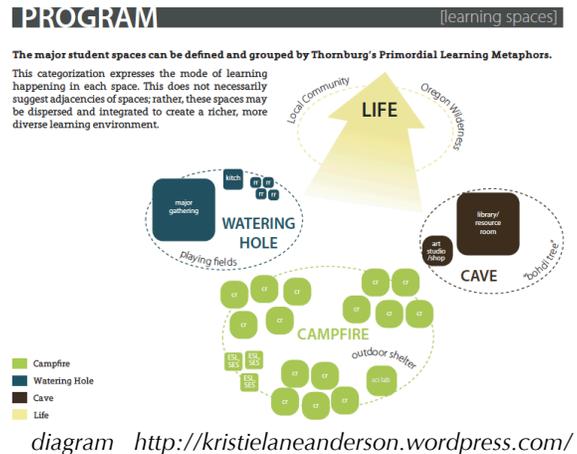
6. How does the history and natural history of the place shape your plans? Who are the current major stakeholders?
7. How can your program support development of a strong social structure or Civic Ecology?
8. How do building codes currently constrain the size and building function of your site?

II. DOCUMENT

A. STATEMENT: What is the central focus of your investigation? Why does it matter? What are your assumptions?

B. PROGRAM: How does the program support your main idea?

Create graphic blocks to scale, colored and sorted according to factors such as
public | private
darkness tolerant | natural light-seeking
service | served
noisy | noise tolerant | noise-sensitive
etc.



- C. SITE: Diagram crucial aspects of your site such as
- Natural aspects (topography, water, solar access, wind, materials ...)
 - Built constraints (transit, pollution, massing utilities, service access, zoning,...)
 - Social and cultural considerations (history, arch'l styles, use patterns, events, ...)
 - Sensory experience (vistas, scents, noises)

D. REVISE YOUR 3D SITE INTERPRETATION

E. PRECEDENT: Diagram at least two exemplar buildings with a similar building program and if possible, similar site constraints. Using the same color-coding as for your program blocks, show how they have organized their building.

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|---|--|--|--|
| <p>Reece Community School Merit Award</p>  | <p>Noble High School Merit Award</p>  | <p>The Media and Technology Charter High School Citation Award</p>  | <p>Silver Creek High School Citation Award</p>  |
| <p>John Paul II High School Recognized Value Award</p>  | <p>Wheatley Media Center Recognized Value Award</p>  | <p>7-8 Classroom Bldg. & Library/Resource Center Recognized Value Award</p>  | <p>Cary Grove High School Recognized Value Award</p>  |

School organizational diagrams from Fielding-Nair's Designshare.net

III. SHARE what you have learned.

Create a 5 page graphic summary of your thesis project.

- Begin by explaining your thesis investigation
- Create a narrative to draw your audience's interest, considering whether a chronological, thematic or pro/con organization could best relate the ideas.
- Include at least three questions.

Format the document for 8.5" x 11" portrait format
 Save to PDF and post it linked to an icon on your blog.
 Print it at 11" x 17" for the Science Fair

READING: MVRDV MetaCity/Datatown, Rotterdam: MVRDV/010 Publishers, 1999.
<http://books.google.com/books?id=I-DICsZctYgC&dq=HT166.M47.1999>