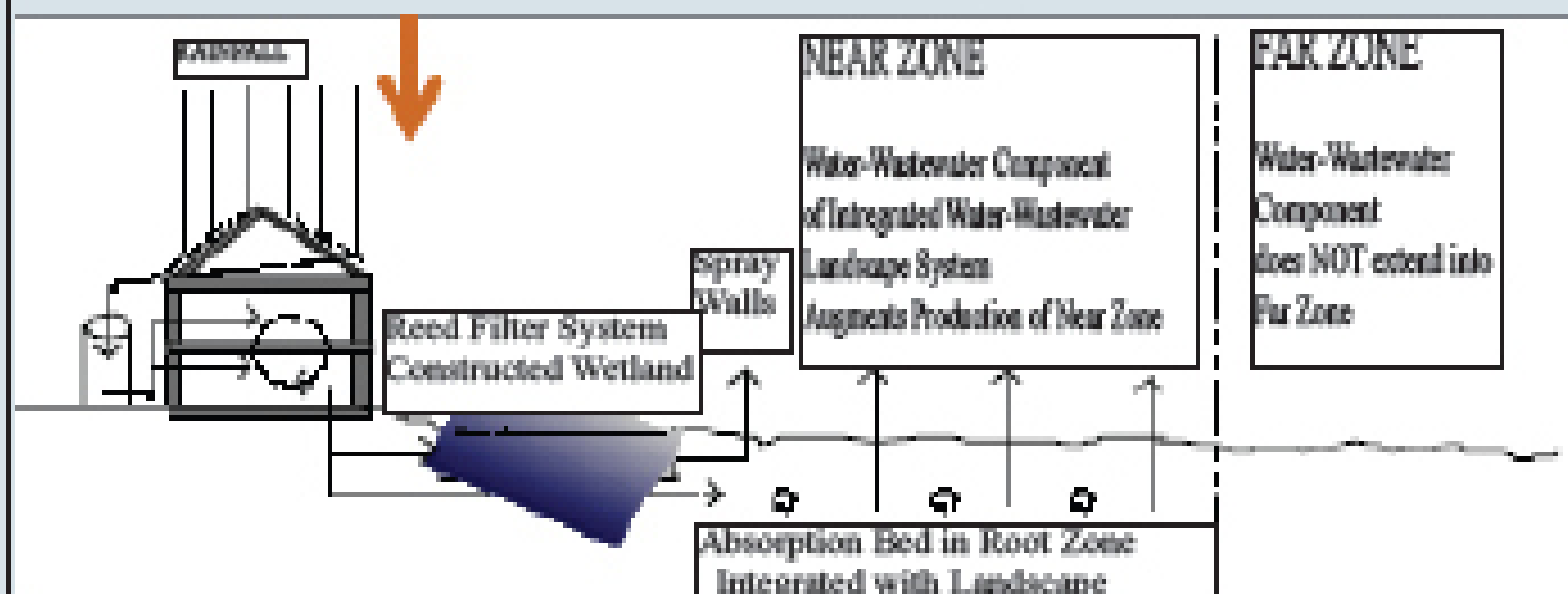


STRAW-BALE BUILT-SITE AS AN EDUCATION MODULE



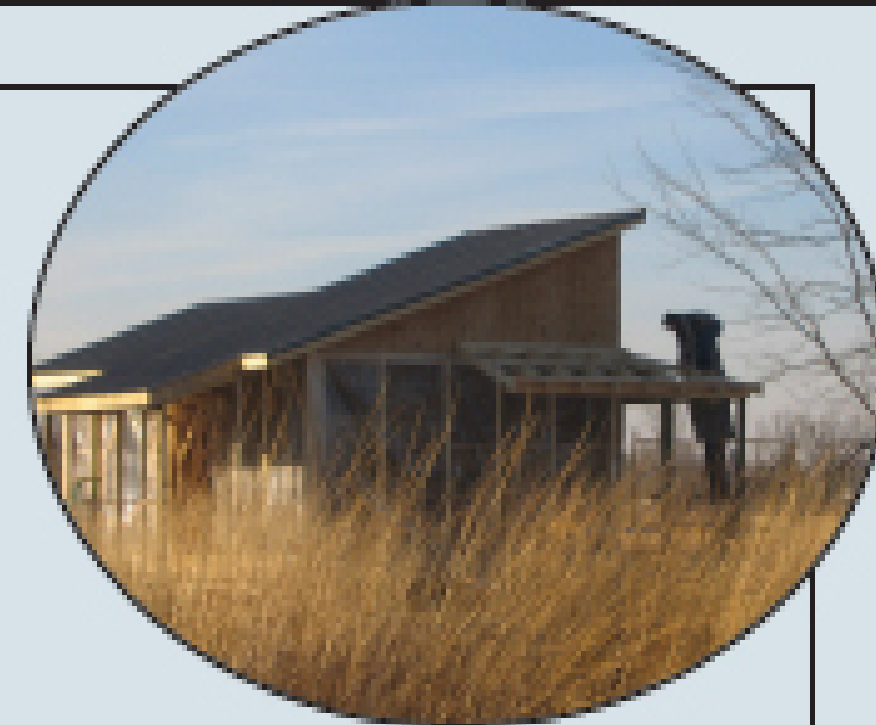
GREENHOUSE

- Learn about solar aquatic systems
- Used as a living machine
- Learning about biological treatment about wastewater
- Learning the life-cycle of water and how to close it

- Passive energy for plant growth
- Harvest energy
- Absorbs solar radiation
- Reduces heat loss
- Diffuses Light

Uses the Properties of:

- Conduction, Convection, Radiation, and Infiltration



Constructed Wetlands

Waste-Water Gardens

Builders

- Cost efficient
- Simple
- Environmentally Friendly

Kids

- Demonstrates Effectiveness of Natural Processes for Wastewater
- Healthier for air, soil, plants, and animals
- Playful Designs

Public & Students

- Saves energy & supplies
- Low Maintenance
- Aesthetic Beauty
- Can be integrated into existing septic systems
- Cleans Wastewater

Solar Energy

Builders

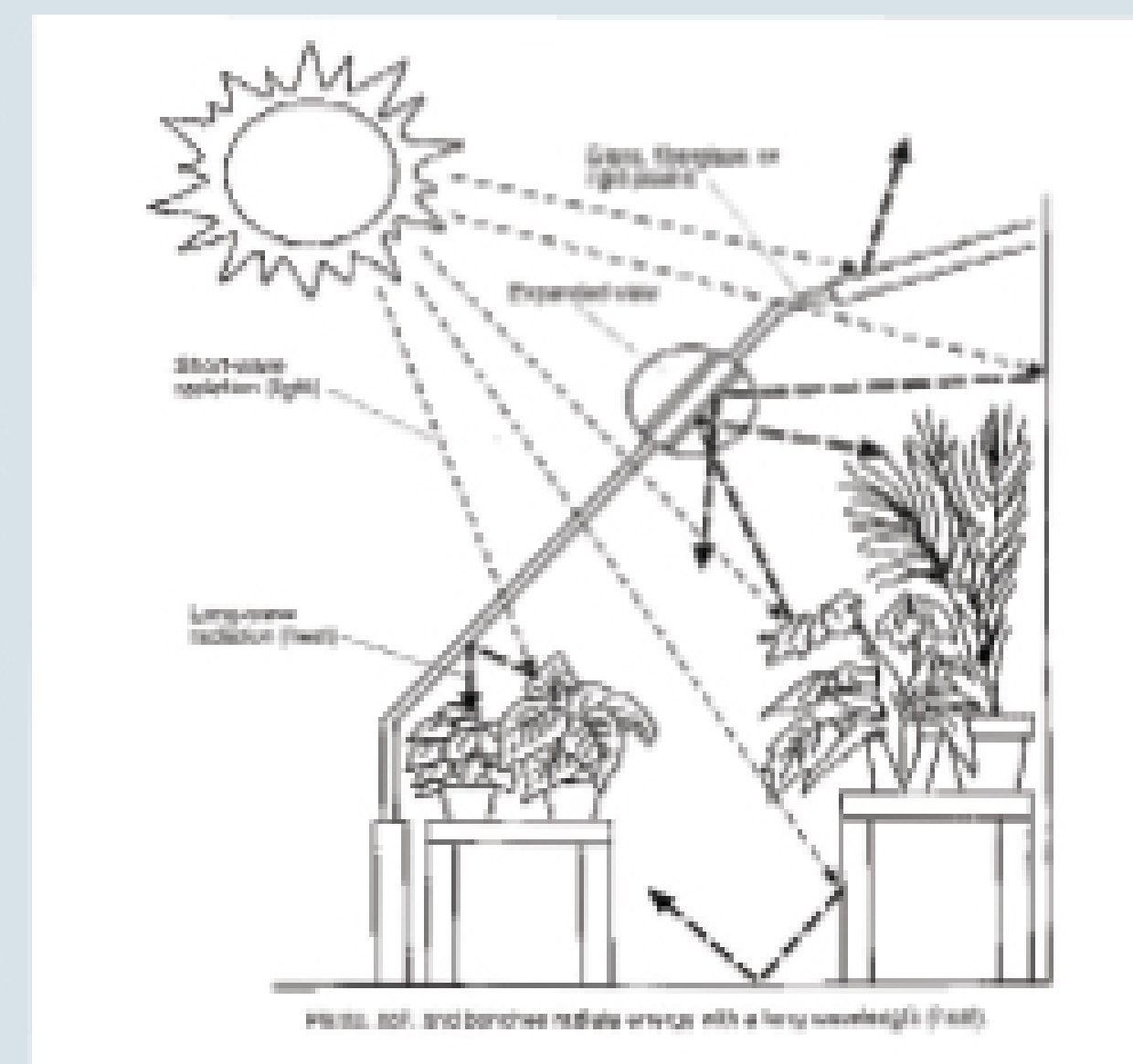
- Can be at large or small scale
- Integrated into design elements (facade materials, awnings, & covered walkways)

Kids

- Explaining energy systems to kids through the use of modeling (solar ovens)
- prevents from the lights turning off in the event of a power outage

Public & Students

- Cost effective
- No high visibility collectors
- Protection from storms



Straw-Bale

Builders, Public, Students, & Kids

- Ecological (Availability of building materials)
- Energy Efficient (increased insulation which reduces heating and cooling)
- Affordable (reduces material cost as well as utilities)
- Hypoallergenic (straw and cement plaster eliminates health threatening paints, glues, toxins, etc.)

-Produced at low embodied energy from local materials, consumed less energy, integrate with the sites productive and regenerated systems, and are affordable.

