

Kinark Sustainable Living Centre



The Kinark Sustainable Living Centre was designed by Chris Magwood and built by the students of the 2006 Sustainable Building and Design program at Fleming College, under the direction of Chris Magwood.

The Kinark Outdoor Centre is located near Carnarvon, Ontario. Kinark offers a wide range of outdoor programming, largely centred around youth. The Sustainable Living Centre provides programming specifically about sustainable systems and environmental issues.

Explore all the remarkable features of this building on the following slides...



Earthbag foundation with natural stone post footings.



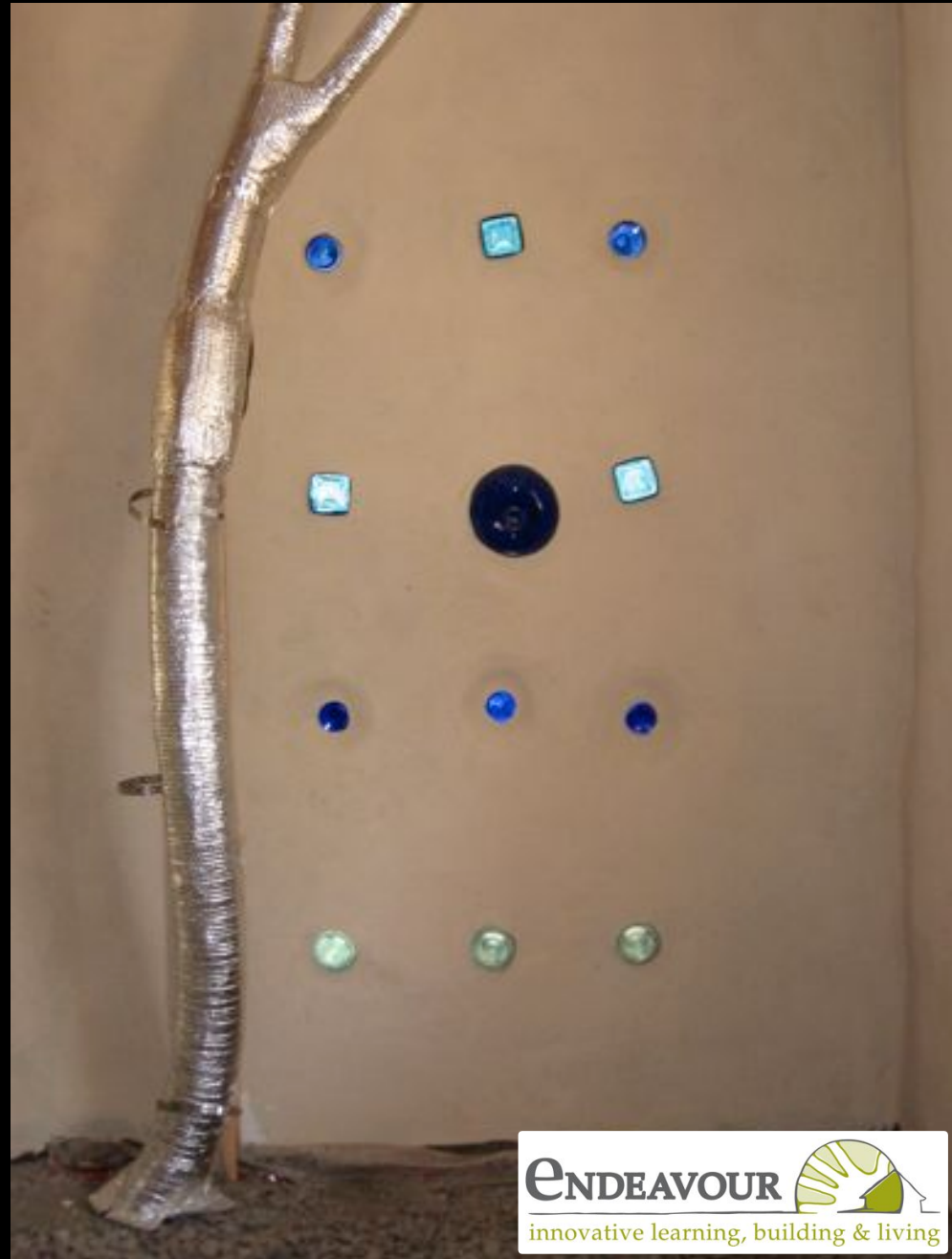
Structural waste wood columns support a round timber roof.
Porch posts charred to help preserve in ground.



Framed with site trees and waste wood structural columns.



Annualized geo-solar heating system vents hot attic air deep under building. Temperatures are monitored at various depths in the floor.



Rainwater collection and diverter; Solar domestic hot water





Earthbag and earth plaster radiant wall

Load bearing straw bale and earth plastered power shed for PV and batteries. Hay bale living roof.





Clerestory windows and
hemlock log roof framing.

Earthen floor.



Cordwood arch around doorway.

Student-made door.



The Kinark Sustainable Living Center is an educational facility with a wide variety of programming.

