

PDC

Session title	Zone 0		
Date, time and location	90 minutes		
Learning objectives			
<p>By the end of the session, participants will be able to:</p> <ul style="list-style-type: none"> • say factors that influence siting a house • choose appropriate insulation materials • choose appropriate construction materials • include biotechture in house design • understand the fun and potential of retrofits 			
Resources needed			
Paper, pens, example of a design of a retrofit house, powerpoint with lots of great pictures and diagrams			
Session Plan			
Activity	Time	Teacher / facilitator	Students / participants
Intro to topic	4	Discuss what is our ethic for designing Zone 0	Contribute
Brainstorm	6	What is a sick house: map group responses to what goes into and out of a “sick house”	Contribute ideas
Drawing ideal home	20	<p>Hand out colours and paper. Guide group through drawing ideal house with these questions, spaced every few minutes</p> <p>What is the climate?</p> <p>Q1 Situation- in landscape, think about slope, elevations</p> <p>Q What is around it, what comes in and what goes out</p> <p>Q2 What materials is it made of, where are they sourced from</p> <p>Q How is it heated, cooled</p> <p>Q. Brainstorm methods for heating water</p> <p>Q What technologies</p> <p>Q What plants, biotechture</p> <p>Q What insulation might you use</p> <p>Q. What do you consider with the fittings</p>	<p>Make link with Microclimates session Draw, think, add, draw</p> <p>hare pictures in detail in Groups of 2or3 Then display in middle for everyone to see.</p>
Presentation and discussion	30	Presentation follows the questions above with examples of house siting, methods for different climates, maximising use of microclimates, insulation and thermal mass	Listen, questions, contribute examples from own experience/ideal home pictures
Option 1 The Retrofit	30	All about modifying what you have Share own example of Retrofit design Q. Where you live now, what retrofitting can you do? - brainstorm ideas for Retrofit site	Discuss priorities for retrofit and possibilities for working on own home.
Option 2	30	Find out interest from group beforehand, what topics do they want to go into more depth and/or what specialist skills and experiences do participants bring they can share	

