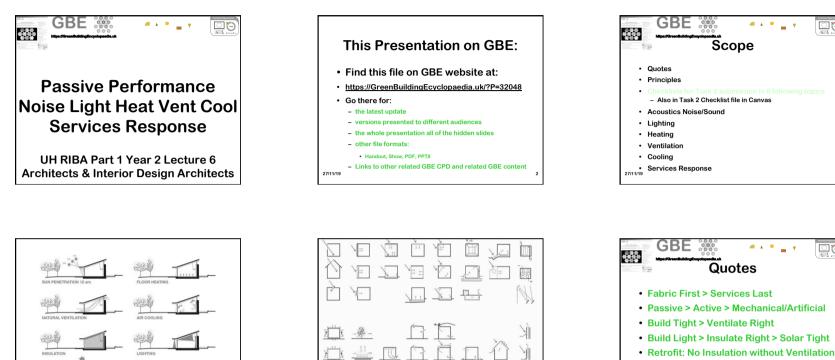
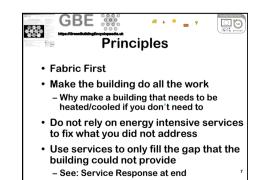
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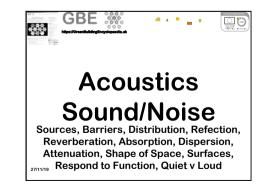


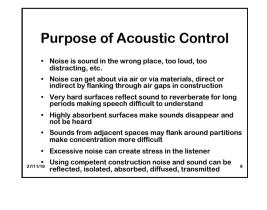
- Convection: Hot air rises, cold air falls, · Eddy currents: circulate to dissipate
- 27/11/19 Conductivity: goes from hot to cold

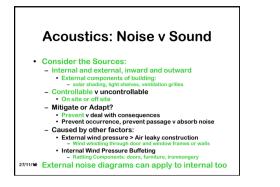


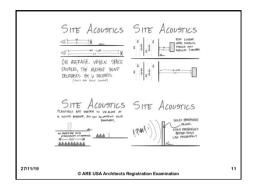
© GRE 2019 Passive Performance

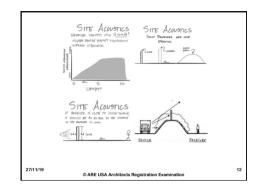


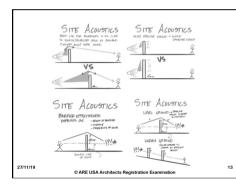


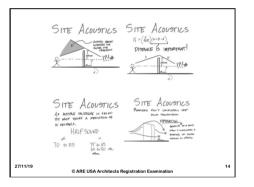


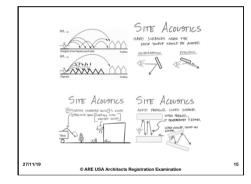


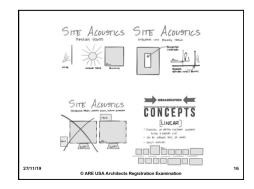


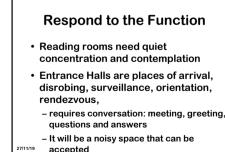


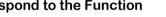




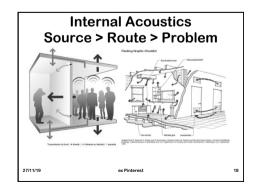


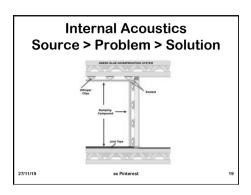


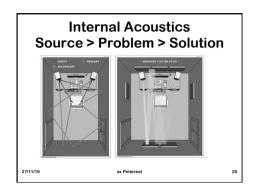


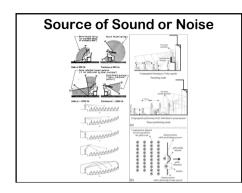


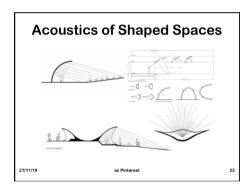
- requires conversation: meeting, greeting,
- accepted

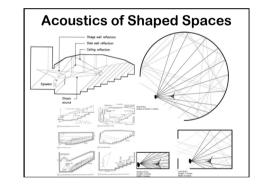


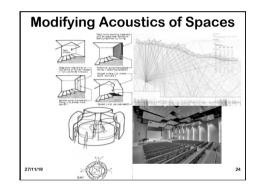


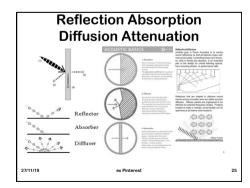


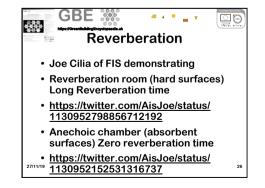


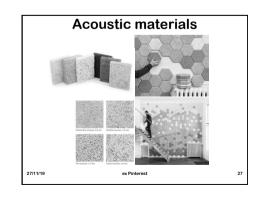




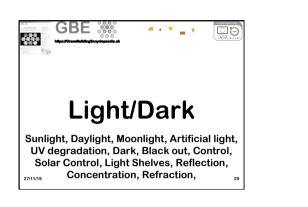


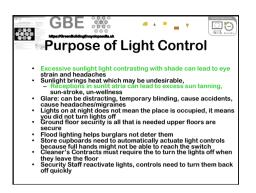




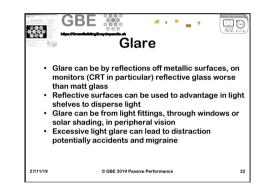






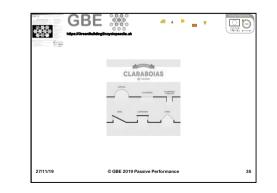


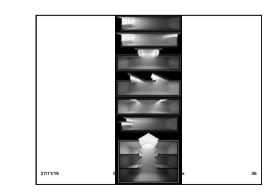


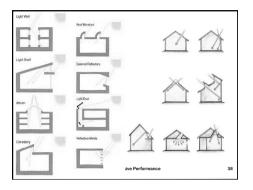


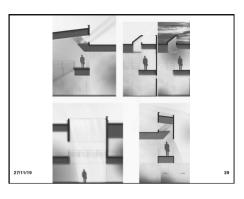




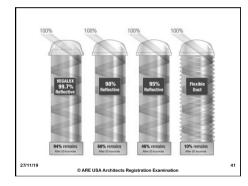




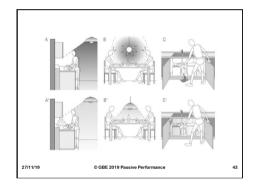






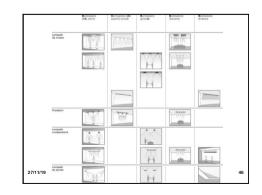


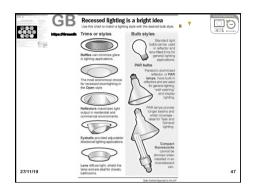




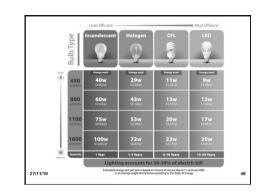


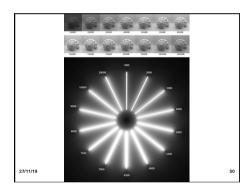


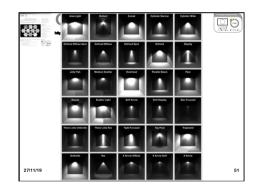


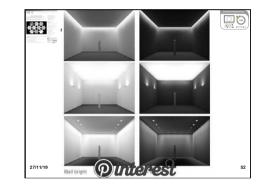


A BR CA BA (C) BT H E0 Goote (e Par-Straight Bashel Baan GA Krypton . R 27/11/19 48

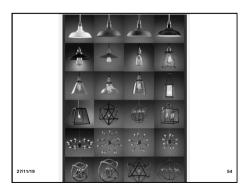






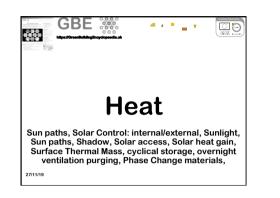


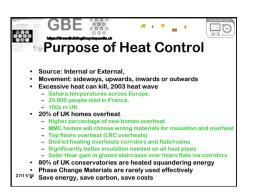




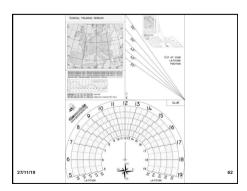
-	GBE 🞆 💶 💽
.	Highly absorbent matt black surfaces absorbs light Too much daylight can make projected images difficult to see Coloured surfaces distort the projected coloures
	Mid tone grey surfaces are better for projecting images (black to white get = chance)
• 27/11/19	High saturation pigmented (grey or silver) paints reflect colours accurately vividly 55

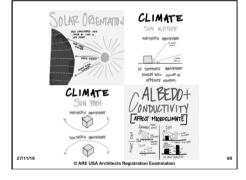
GBE Light Assessment	0	
 North Point and scales essential Northern or Southern Hemisphere? Plans of whole (site or building) and indicate part Building Profile: Section of whole and part Exiting glazing positions, sized Window treatments if any (inside or out) Analysis: Plans Sections Elevations: sundial paths Shadow analysis: floors and walls, inside and out Your response to shadow analysis Any internal enclosure and glazing Analysis of existing light to be exploited Any interventions by you to provide light Background or task lighting or both 	56	

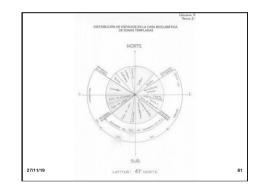


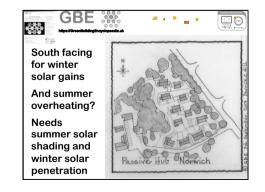


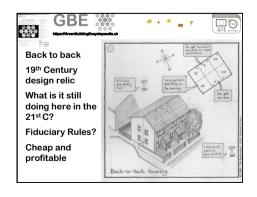


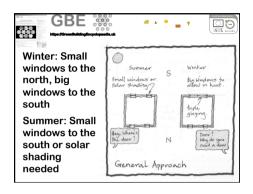


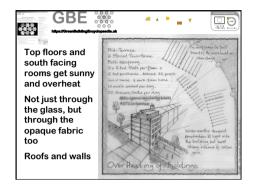


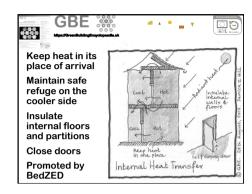


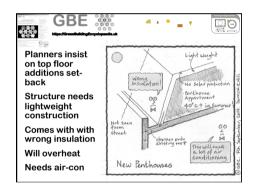


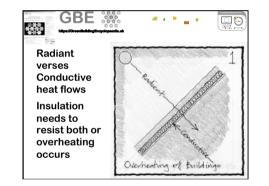


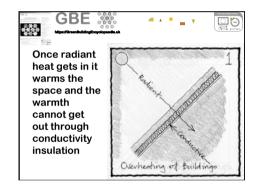


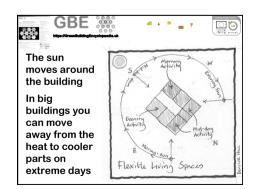


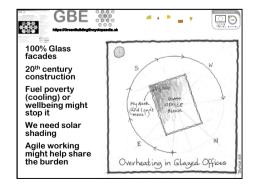


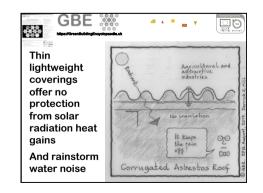


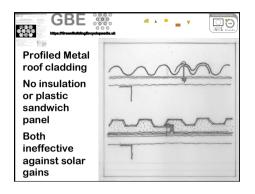


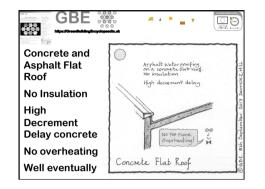


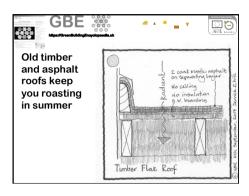


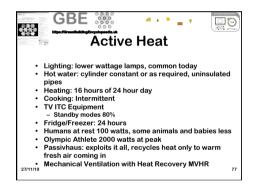


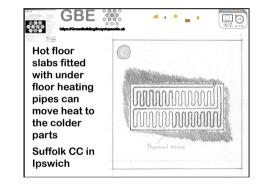


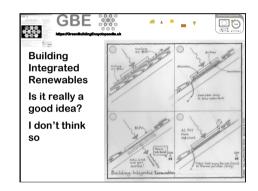


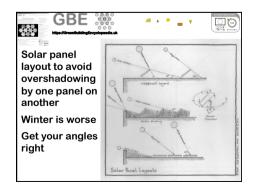


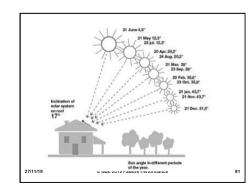


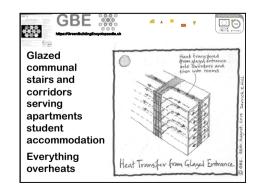


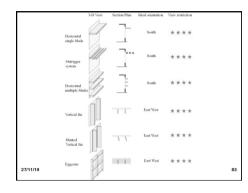


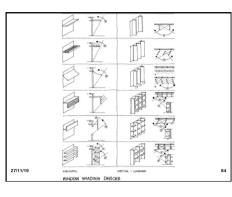


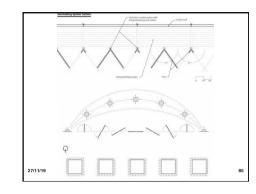


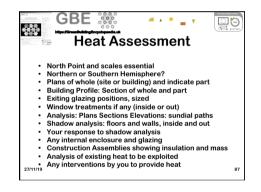


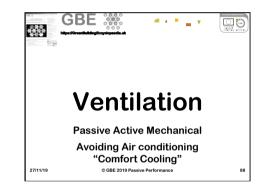


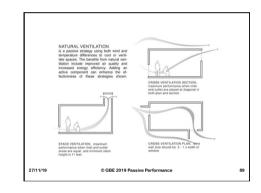


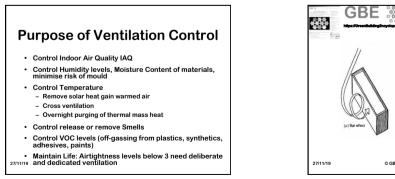


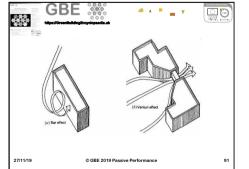


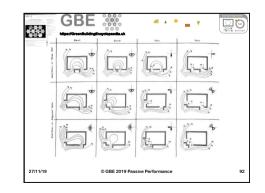




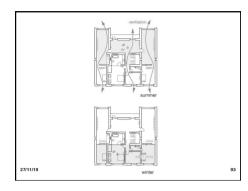


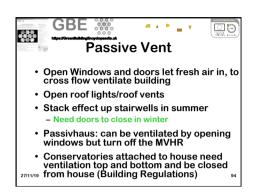


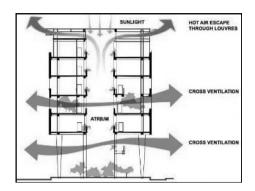


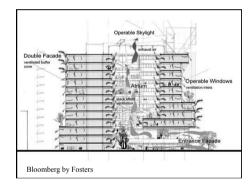


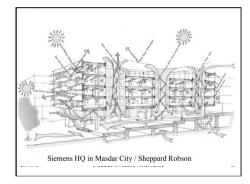
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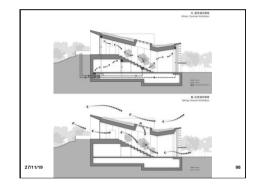


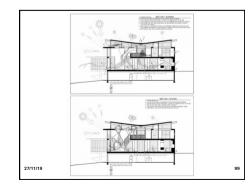


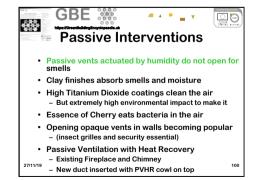








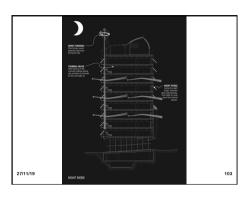


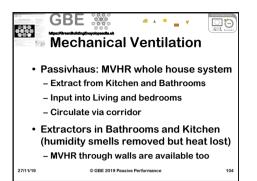


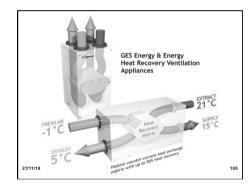


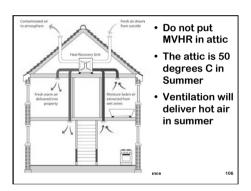
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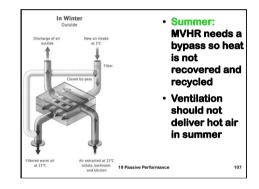




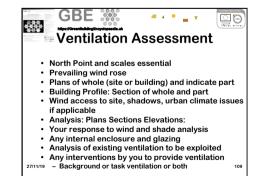


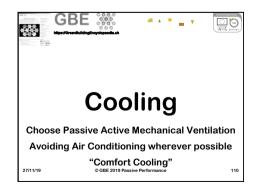






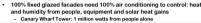


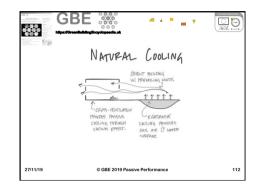


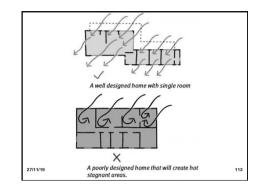


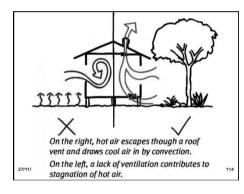
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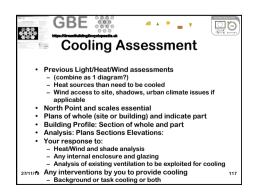


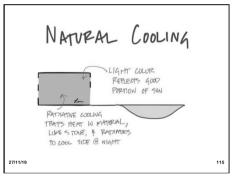


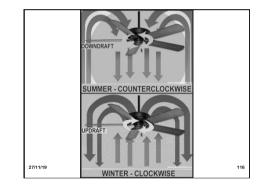


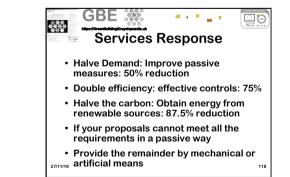


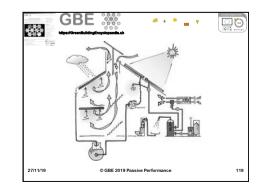












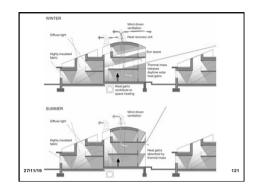
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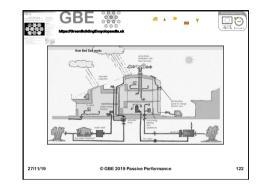
Purpose of Services Response

Provide comfort conditions for occupants

120

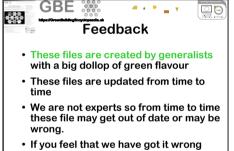
- Reduce Energy Demand
- Reduce Carbon in that energy
- Fuel Autonomy
 Reduce reliance upon external energy sources
 and their escalating costs
- Reduce Costs
- Deduce Ducines
- Reduce Business Overheads
 27/11/19 Reduce Home running costs





Services Response Assessment

- · Justify their need
- Propose services needed to meet residual demand
- Ensure the services acknowledge each other and are integrated where important to do so
- Waste from one may be a resource for another
- Describe systems and their controls
- Describe their locations is scheme
- Integrate in floors and reflected ceiling plans,
- 27/11/19 room elevations and roof if required



27/11/19 please let us know so we can put it right

-	GBE 2019
	Founded National Green Specification 2001 Launched www.greenspec.co.uk 2003 Created: GBE a <u>https://greenbuildingencyclopaedia.uk</u> 2012 - 2019 E <u>BrianSpecMan@icloud.com</u> Twitter: <u>http://twitter.com/brianspecman</u> LinkedIn: <u>BrianSpecMan</u>
27/11/19	Pinterest: https://www.pinterest.co.uk/bmurphy1390/ National Green Specification 127