MSc 3&4 | Architectural Design Crossover graduation studio P5 Presentation

CULTURA HUB BRINGING CULTURE AND COMMUNITY TOGETHER

Lon Schnlenburg 28 - June - 2022



SUMMARY

- 1. Research
- 2. Project development
- 3. Concept and Design
- 3. Buiding Technology details

RESEARCH

INEQUALITY OF ACCESS TO CULTURE FOR CHILDREN AND YOUNG PEOPLE IN LONDON CULTURE AS A REGENERATION POWER BRINGING THE LONDON

COMMUNITY TOGETHER

- Exposure to culture in early age -> imagination, self-expression and creativity.
- Profound impact on life chances -> resilience, discipline and character. ٠
- Fixed in a mind-set of participation -> sense of exclusion. ٠



London's Cultural Infrastructure





50

Buildings used for creative co-working desk spaces



19,174

Listed buildings



198

Dance performance venues







94 Music venues (grassroots)



51

Buildings used for making and manufacturing for the creative industries







Cultural production





Buildings used for creative co-working desk spaces



19,174

Listed buildings



198

Dance performance venues











51

Buildings used for making and manufacturing for the creative industries





Cultural Infrastructure x London boroughs

Cultural Infrastructure	Cultural Consumption					Cultural Production					Cultural Education					Cultural Leisure				
London boroughs	Commercial / Private galleries	Museums and Public galleries	Art Centres	Outdoor spaces for cultural uses	total	Artists Worspaces	Maker- space	co-working	Creative workspaces	total	Libraries	Archives	Community centers	total	Theatres	Cinemas	Music Venues	total	Final Total	London boroughs
Barking and Dagenham	0	1	1	0	2	1	0	0	2	3	6	0	27	33	1	1	4	6	88	Barking and Dagenham
Barnet	0	4	1	0	5	1	1	0	0	2	16	8	13	37	3	3	18	24	136	Barnet
Bexley	0	2	0	1	3	0	0	0	0	0	12	1	17	30	4	1	7	12	90	Bexley
Brent	1	1	1	0	3	5	3	1	0	9	8	1	19	28	1	3	4	8	96	Brent
Bromley	1	4	0	1	6	0	0	0	0	0	14	0	21	35	4	1	14	19	120	Bromley
Camden	33	26	1	1	61	5	3	1	1	10	12	103	110	225	24	12	60	96	784	Camden
City of London	4	7	1	0	12	1	1	0	1	3	4	49	2	55	5	1	24	30	200	City of London
City of Westminster	1	28	1	5	35	5	4	2	3	14	12	154	34	200	52	22	98	172	842	City of Westminster
Croydon	0	1	1	0	2	1	1	1	0	3	13	2	12	27	3	3	13	19	102	Croydon
Ealing	1	0	0	0	1	8	0	1	1	10	13	2	26	41	2	1	15	18	140	Ealing
Enfield	0	1	1	0	2	0	1	0	0	1	17	2	13	32	4	2	8	14	98	Enfield
Greenwich	4	7	0	1	12	7	5	1	1	14	11	3	27	41	3	3	16	22	178	Greenwich
Hackney	26	3	1	0	30	41	10	13	21	85	8	9	90	107	12	4	105	121	686	Hackney
Hammersmith and Fulham	4	2	2	0	8	6	2	3	0	11	5	13	34	52	10	3	14	27	196	Hammersmith and Fulham
Haringey	2	1	2	0	5	9	3	3	8	23	8	6	27	41	8	5	7	20	178	Haringey
Harrow	1	4	1	0	6	2	0	0	1	3	6	4	11	21	2	1	3	6	72	Harrow
Havering	0	1	0	0	1	0	0	0	1	1	10	0	22	32	2	1	9	12	92	Havering
Hillingdon	0	1	0	0	1	1	0	0	0	1	17	7	27	51	3	2	8	13	132	Hillingdon
Hounslow	0	5	2	1	8	4	0	0	0	4	11	7	21	39	6	2	14	22	146	Hounslow
Islington	17	7	0	0	24	6	1	5	6	18	10	34	60	104	15	3	64	82	456	Islington
Kensington and Chelsea	25	10	1	0	36	4	1	1	1	7	6	19	18	43	9	5	16	30	232	Kensington and Chelsea
Kingston-Upon-Thames	0	2	0	0	2	1	0	0	0	1	7	0	14	21	2	1	9	12	72	Kingston-Upon-Thames
Lambeth	13	5	2	1	21	20	8	5	4	37	10	28	54	92	18	7	56	81	462	Lambeth
Lewisham	2	1	1	0	4	17	2	0	7	26	13	9	9	31	10	2	25	37	196	Lewisham
Merton	1	3	0	0	4	3	0	0	1	4	7	5	11	23	6	1	6	13	88	Merton
Newham	0	1	1	0	2	9	3	0	0	12	10	7	18	35	4	3	9	16	130	Newham
Redbridge	0	1	1	0	2	1	0	0	0	1	13	1	7	21	2	3	7	12	72	Redbridge
Richmond-upon-Thames	0	9	2	0	11	0	0	0	0	0	13	4	11	28	8	3	20	31	140	Richmond-upon-Thames
Southwark	20	8	0	3	31	28	10	7	7	52	12	37	30	79	21	6	33	60	444	Southwark
Sutton	0	3	0	0	3	1	0	0	0	1	8	1	10	19	0	0	10	10	66	Sutton
Tower Hamlets	24	9	2	1	36	36	7	4	14	61	8	25	42	75	7	7	48	62	468	Tower Hamlets
Waltham Forest	1	4	0	0	5	10	6	1	4	21	10	2	32	44	5	1	21	27	194	Waltham Forest
Wandsworth	8	0	1	2	11	6	2	1	0	9	11	13	34	58	7	2	16	25	206	Wandsworth









IDENTIFYING RESEARCH LOCATIONS

TERRITORY OF AFFLUENCE X TERRITORY OF DEPRIVATION



Cultural Typology and Accessibility

IDENTIFYING RESEARCH LOCATIONS

TERRITORY OF AFFLUENCE X TERRITORY OF DEPRIVATION





Cultural Typology and Accessibility

Territory of Deprivation

Territory of Affluence



• Museums and public galleries



Commercial/private galleries
Museums and public galleries



Commercial/private galleries
Museums and public galleries





Commercial/private galleries
Museums and public galleries





Commercial/private galleries
Museums and public galleries
Creative co-working desk space

MakerspaceArtist workspaces



Commercial/private galleries
Museums and public galleries
Creative co-working desk space
Creative workspaces

- Makerspace
- Artist workspaces



- Artist workspaces



Library
Community Centres
Commercial/private galleries
Museums and public galleries
Creative co-working desk space
Creative workspaces
Makerspace
Artist workspaces

- Artist workspaces





- Educational Institutions

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Population density 2500-5000+
 Population density 10000+

- Educational Institutions
- Library
- Community Centres

- Commercial/private galleries
 Museums and public galleries
 Creative co-working desk space
 Creative workspaces
- Makerspace
- Artist workspaces



Lambeth is the fifth most densely populated borough nationally



TERRITORY OF DEPRIVATION



3 Km radio





AREA OF INVESTIGATION



AREA OF INVESTIGATION

LAMBETH

OBSERVATIONS - TERRITORY OF DEPRIVATION

o No building typology diversity

- Primarily residential apartment buildings
- o Lack of parks, playgrounds
- o Almost no commercial activities
- o Lack of leisure options for the community and especially for children



LAMBETH

OBSERVATIONS - TERRITORY OF DEPRIVATION

o High concentration of primary schools

o Family neighborhood

o Diversity

- The elite sends their children to other schools
- Rich x Poor division
- Less diversity in schools



LAMBETH

OBSERVATIONS - TERRITORY OF DEPRIVATION

o Invisible boundaries

o Long travel time to access other activies



LAMBETH OBSERVATIONS - TARGET GROUP

Kenningt B221







POSSIBLE PROJECT SITES



- 67,900 children and young people 29% between 0-5, 54% between 5-16, 17% between 16-19 years
- Lambeth's Children's Social Care was rated 'inadequate' in 2015.
- Increase in both the most affluent and the most deprived groups.
- Rise in serious youth violence. •
- Link between a child's resilience and their networks
- Reducing resources and growing ine-• quality exert pressures on the children's system

PRIMARY AND SECONDARY SCHOOLS

POSSIBLE PROJECT LOCATIONS



AREA CLASSIFICTION







ACCESS LEVEL

POSSIBLE PROJECT LOCATIONS



INTERVENTION LOCATION



SITE ANALYSIS



o Empty plot with around 9.000 m2

- o Previously a building complex
- o Project (to be aproved) of a multifunctional complex





Main access roadsSecondary roadsTrainPedestrian path




AMBITION A NEW CULTURAL CENTER



- o A place for kids to learn new skills
- o Exhibit what they produced and sell it if they want to -> empowering
- o Engage with art and culture
- o Group activities -> Enhance community engagement

PROGRAM



PROGRAM



FILM AND LITERATURE

Vi	isual Arts (Arts & Crafts	3)					
#	Room Type	Area	Height	N° of people	Quant.	Total area	Room Features
1	Drawing/Painting	75m²	5 m	12	1	75 m²	Drawing tables, chairs, shelves, board
2	Ceramics	150 m²	5 m	15	1	150 m²	Large working tables, shelves, sink, raw material/product storage, oven
3	Weaving	100 m²	5 m	10	1	100 m²	Weaving stations, chairs, shelves
4	Multifuctional space	150 m²	5 m	20	1	150 m²	Large working tables, shelves, sink, storage, tool racks
5	Ateliers for artists	25 m²	5 m	1 - 2	4	100 m²	Table, shelves, sink
						575 m²	
Perfo	Performing Arts (Theater/Dance/Music)					775 m²	(x1,35 for circulation)
#	Room Type	Area	Height	N° of people	Quant.	Total area	Room Features
6	Theater/Drama	100 m²	5 m	20	2	200 m²	Small stage, chairs, board/screen
7	Contemporary dance	100 m²	5 m	20	1	100 m²	Mirros and bars
8	Modern dance	100 m²	5 m	20	1	100 m²	Mirros and bars
9	Vocal Class	50m²	3 m	10	1	50m²	Shelves for instruments, chairs, board/screen
10	Instrumental Class	50m²	3 m	10	1	50m²	Shelves for instruments, chairs, board/screen
						500 m²	
	Film and Literature					675 m²	(x1,35 for circulation)
#	Room Type	Area	Height	N° of people	Quant.	Total area	Room Features
11	Library	500 m²	5 m	20	1	500 m²	Bookshelves, tables, chairs, sofas, reception counter
12	Writing space	50m²	3 m	12	1	50m²	Drawing tables, chairs, shelves, board
13	Reading space	50m²	3 m	12	1	50m²	Drawing tables, chairs, shelves, board
14	Film/Photog. Studio	300 m ²	5 m	20	1	300 m²	Bookshelves, tables, chairs, sofas, reception counter
15	Computer lab	50m²	3 m	15	1	50m²	Drawing tables, chairs, shelves, board
						950 m²	
Common Spaces						1280 m²	(x1,35 for circulation)
#	Room Type	Area	•		Quant.	Total area	Room Features
16	Foyer	250 m ²	5 m	200	1	250 m²	Sofas, side tables, information desk
17	Auditorium	270 m ²	5 m	200	1	270 m ²	Stage, rows of seats, backstage, dressing room
18	Exhibition space	500 m ²	10 m	100	1	500 m ²	Open floor plan
19	Shop	50 m ²	3 m	-	1	50 m ²	Shelves, counter, computer
20	Canteen/Café Kitchen	150 m² 25 m²	5 m 3 m	75	1	150 m² 25 m²	Tables, chairs
21 22	Toilets	25 m ²	3 m	-	6	25 m 150 m ²	Tables, counter, kitchen amenities Toilet, sink
22	TOHEIS	25111	5111	-	0	1395 m ²	
	Administrative Spaces					1880 m²	(x1,35 for circulation)
#	Room Type	Area	Height	N° of people	Quant.	Total area	Room Features
23	Entrance	25 m²	5 m		1	25 m²	
24	Service entrance	10 m²	3 m	-	1	10 m²	
25	Reception	-	3 m	2	1	-	Reception counter, computer
26	Adm. offices (small)	12,5 m²	3 m	1 - 2	2	25 m²	Desk, computer
27	Adm. offices (large)	25 m²	3 m	1 - 4	2	50 m²	Desk, computer, sofa
28	Storage	25 m²	3 m	-	4	100 m²	Shelves
						210 m²	
						280 m²	(x1,35 for circulation)
						3630 m²	Total area
	Parking and technical					4900 m ²	Total footprint area (x1,35 for circulation)
29	Parking cars	2,4 x 5 m	_	80	1	1460 m ²	
29	•	2,4 X 0 111	-	00 1	1	1400111	
	Parking load/linioad	-					
30	Parking load/unload Parking bicycles	-	-	50	1	25 m²	bicycle raks
	Parking load/unload Parking bicycles Mechanical room	-	-	50	1	25 m²	bicycle raks

CONCEPT

- Accessibility to culture
- Integration
- Community engagement
- Promote encounters and social interaction
- Placemaking
- Workforce for culture and creative sectors







Underground level

171 parking spots for cars



First level





First level











Section AA





Elevation











From top to bottom, slopped green roof:

- Solar panels 1)
- 2) Plants
- 3) Substrate
- 4) Filter cloth
- Drainage element 5)
- 6) EPDM water proofing membrane
- 7)
- 8) Bitumen roofing
- Insulation 280mm 9)
- 10) Damp-proof membrane
- 11) 80 mm two layer CLT panel
- 12) 200 mm five layer CLT panel
- 13) Wooden beam 200 x 400 (H) mm

Barriers to keep the soil from sliding



Impression Dance studio



Impression Exhibition space

THANK YOU

