Environmental Settings of Non-formal Schools in Mukuru



Saori Imoto (The University of Tokyo) + Muungano Support Trust + Muungano Wa Wanavijiji

September 2012

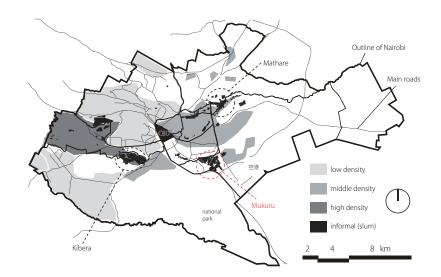
Introduction

This booklet introduces an environmental settings Non-formal schools in Mukuru. The source of this documents are survey in 2012, which interview, measurement and observation survey had done in 2012.

Contents

- School Profile
- **2** Findings from Non-formal School observation
 - Outline of Non-formal Schools
 - Spatial Environment of Non-formal Schools
 - Some attempts for improvement of spatial environment

List and Location of Non-formal Schools surveyed



Map of Nairobi

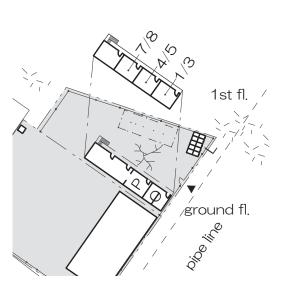


Map of Mukuru / Location of Schools

Schools visited

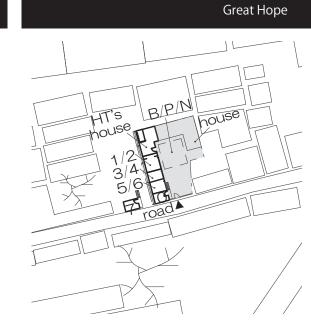
Reuben Vision / Great Hope Comunity Center / Emmanuel Academy / Green View Academy / Jaombi Community Foundation Education Centre/ Joyland Academy / New Dawn Academy / Jovial Communty Education School / NIEC Academy / REFACO Learning Center / Stevens Academic Community Centre / Happy Promotion / Kwa Njenga Needy / Glorious Land Academy / Reuben Baptist Academy / Betterlife Community School / St. Anthony Learning Center / Mukuru Menno Academy / St. John's Junior School Center / Neema Community Education Centre / Briton's Community and Orphanage Camp / Utu Wema Community School / Sico Education Centre / St. Casper Academy / Njokim Top Junior / Rapture Community School

• School Profile



Jovial Community Education School

School Information (2012) 1. Established in 2004 2. Owning structures 3. Classrooms : Temporary Structure 4. Site area: 440 m 5. Total floor area : 140m 6. Number of pupils ; 92 7. Number of teachers : 6 8. Registered by Min. of Socila Development



School Information (2012)

- 1. Established in 2006
- 2. Owning structures
- 3. Classrooms : Temporary Structure
- 4. Site area: 160m²
- 5. Total floor area : 45 m
- 6. Number of pupils ; 231
- 7. Number of teachers : 6



facade and paintings of classrooms



classrooms

greens



looking down the site





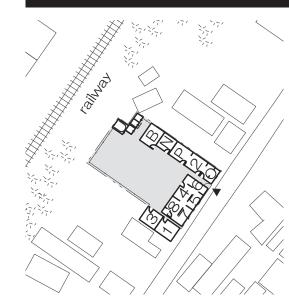


std.1-2 classroom

std.7 classroom

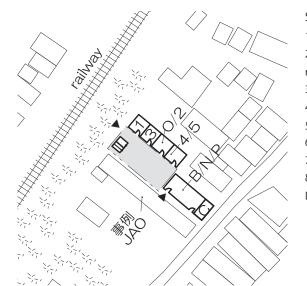
office std.5-6classroom

• School Profile



Emmanuel Academy

School Information (2012) 1. Established in 2003 2. Owning structures + Renting rooms 3. Classrooms : Temporary Structure 4. Site area: 310m² 5. Total floor area : 125 m 6. Number of pupils ; 243 7. Number of teachers : 8 8. Registered by Min. of Social Development



School Information (2012) 1. Established in 2007 2. Owning structures + Renting rooms 3. Classrooms : Temporary Structure 4. Site area: 75m² (Owned area) 5. Total floor area : 70m 6. Number of pupils ; 91 7. Number of teachers : 4 8. Registered by Min. of Social Development



std.4 classroom

playground







baby classroom

std.8 classroom



Green View Academy

playground

std.2 classroom

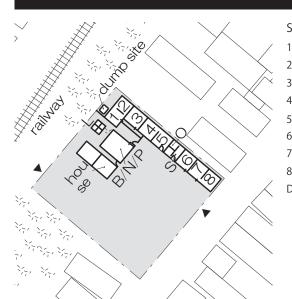


nursery classroom

std.1 classroom

std.3 classroom

• School Profile



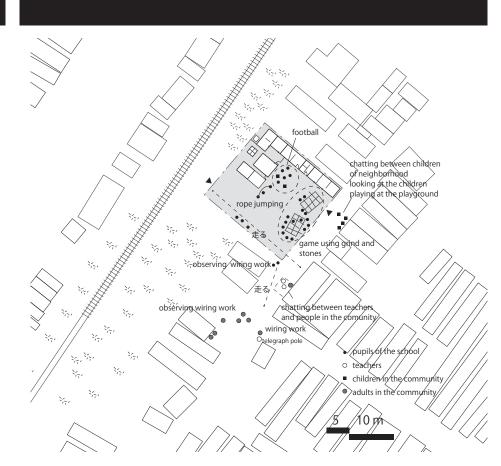
School Information (2012) 1. Established in 2008 2. Owning structures 3. Classrooms : Temporary Structure 4. Site area: 750m³ 5. Total floor area : 113m³ 6. Number of pupils ; 144 7. Number of teachers : 8 8. Registered by MIn. of Social Development



Jaombi Communiry Foundation Education Centr

staff room

during the class

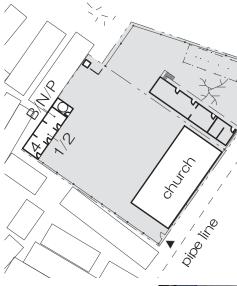




during breaktime

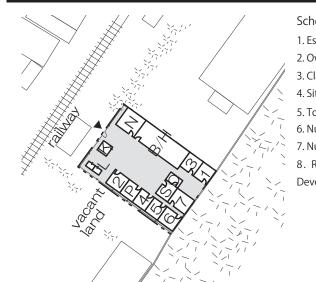
collecting gabages before breaktime

School Profile



NIEC Community

School Information (2012) 1. Established in 2000 2. Owning structures 3. Classrooms : Temporary Structure 4. Site area:770m 5. Total floor area : 45 m 6. Number of pupils ; 40 7. Number of teachers : 3 8. Registered by MIn. of Social Development



School Information (2012) 1. Established in 2008 2. Owning structures 3. Classrooms : Temporary Structure 4. Site area:350m 5. Total floor area : 142m 6. Number of pupils ; 330 7. Number of teachers : 12 8. Registered by MIn. of Social Development



facade of classrooms

digging for latrine



classrooms



REFACO Learning Center

kitchen

classrooms

• School Profile

Happy Promotion Centre School 1. Esta 2. Rent 3. Class

Dibo iin

School Information (2012) 1. Established in 2009 2. Renting a room 3. Classrooms : Temporary Structure 4. Site area:-m⁴ 5. Total floor area : 23m⁴ 6. Number of pupils ; 34 7. Number of teachers : 1



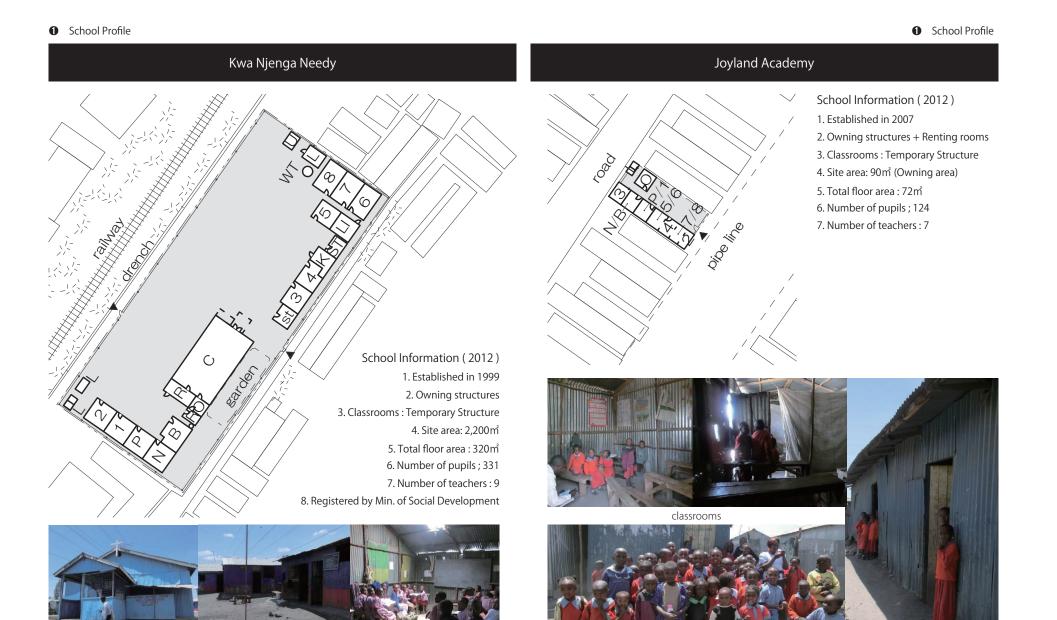
inside and outside the classrooms







environment around teacher's house as temporary classroom



infront of the school

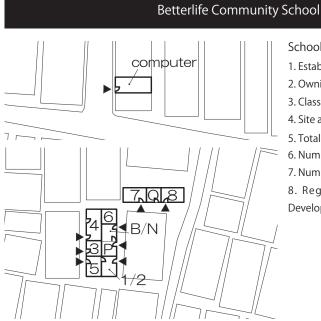
entrance of classrooms

church

classrooms and playground inside

inside the classroom

School Profile



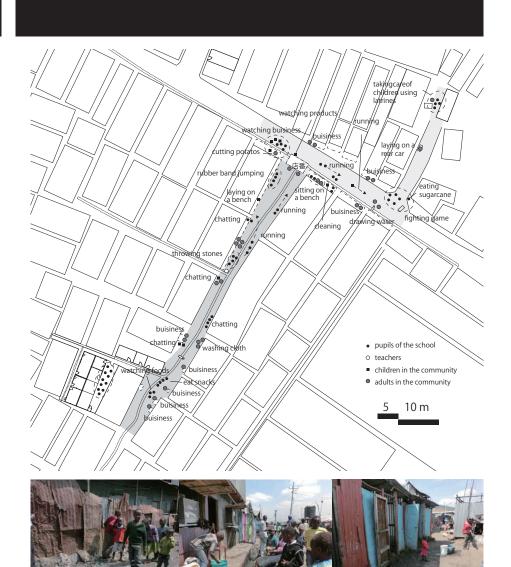
School Information (2012) 1. Established in 2001 2. Owning structures + renting rooms 3. Classrooms : Temporary Structure 4. Site area: 85m² (owned area) 5. Total floor area : 137m² 6. Number of pupils ; 424 7. Number of teachers : 15

8. Registered by Min. of Social Development





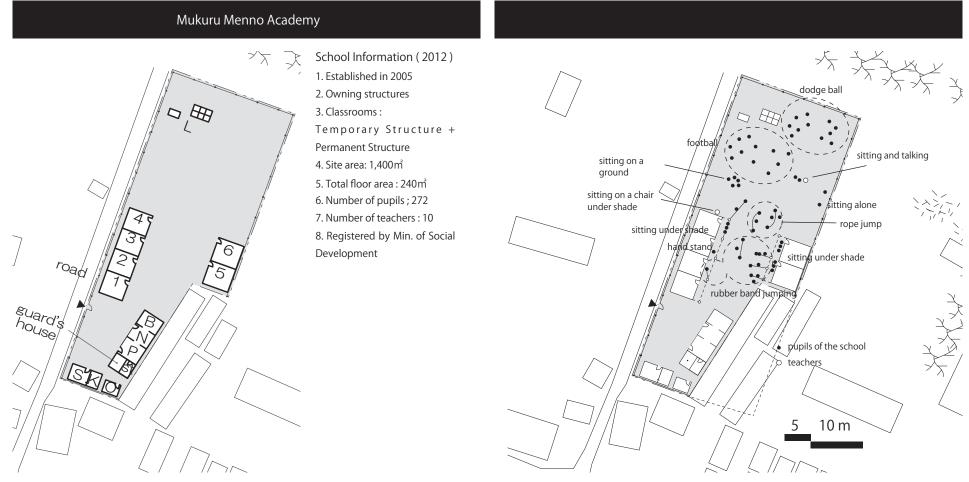
classrooms



children playing on the roads

rental latrine

School Profile





facade of classrooms

garden

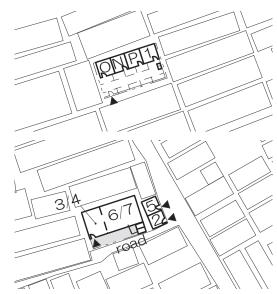
classrooms



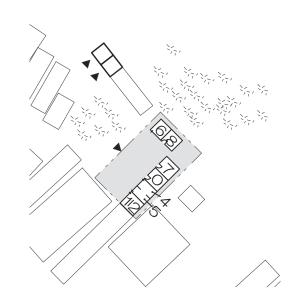
pupils play at playground

• School Profile

St. John's Junior School Center



School Information (2012) 1. Established in 2004 2. Owning structures + renting rooms 3. Classrooms : Temporary Structure 4. Site area: 80m² (owned area) 5. Total floor area : 120m² 6. Number of pupils ; 148 7. Number of teachers : 9 8. Registered by Min. of Social Development



School Information (2012)

1. Established in 2006

2. Owning structures + renting rooms

3. Classrooms : Temporary Structure

4. Site area: 210m² (owned area)

5. Total floor area : 80m²

6. Number of pupils ; 165

7. Number of teachers : 9

8. Registered by Min. of Social Development



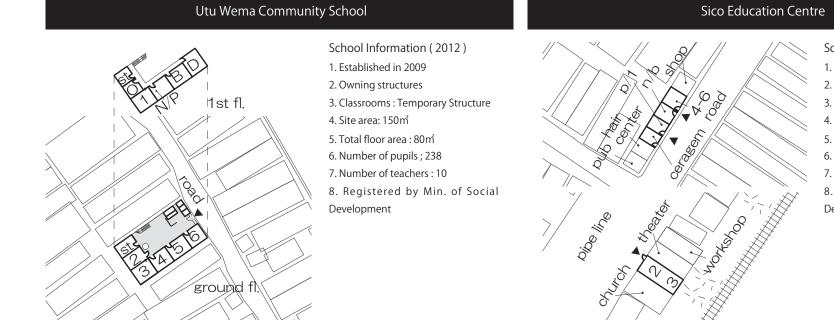
<image>

Briton's Community and Orphanage Camp

classrooms

classrooms

School Profile



School Information (2012) 1. Established in 2003 2. Owning structures + renting rooms 3. Classrooms : Temporary Structure 4. Site area: 30m² (Owning areas) 5. Total floor area : 54m 6. Number of pupils ; 158 7. Number of teachers : 5 8. Registered by Min. of Social Development



entrance

facade of classrooms



classrooms

playground

adult education



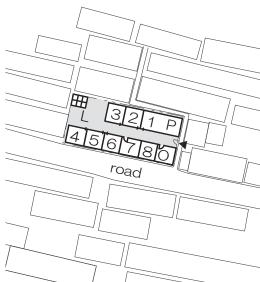
facade of classrooms





classrooms

School Profile



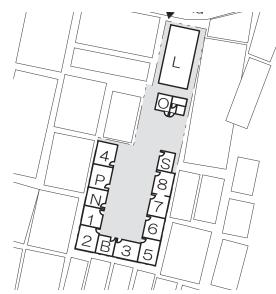
St. Casper's Academy

School Information (2012) 1. Established in 2003 2. Owning structures 3. Classrooms : Temporary Structure 4. Site area: 220m² 5. Total floor area : 130m² 6. Number of pupils ; 54 7. Number of teachers : 6 8. Registered by Min. of Social Development





classrooms



School Information (2012)

- 1. Established in 2007
- 2. Owning structures
- 3. Classrooms : Temporary Structure
- 4. Site area: 590m²
- 5. Total floor area : 220m
- 6. Number of pupils ; 551
- 7. Number of teachers : 14
- 8. Registered by Min. of Social Development



Reuben Vision School

classrooms and playground

window



nursery classroom

std.2 classroom

std.6 classroom

② Findinge from Non-formal Schools

Findinge from Non-formal Schools

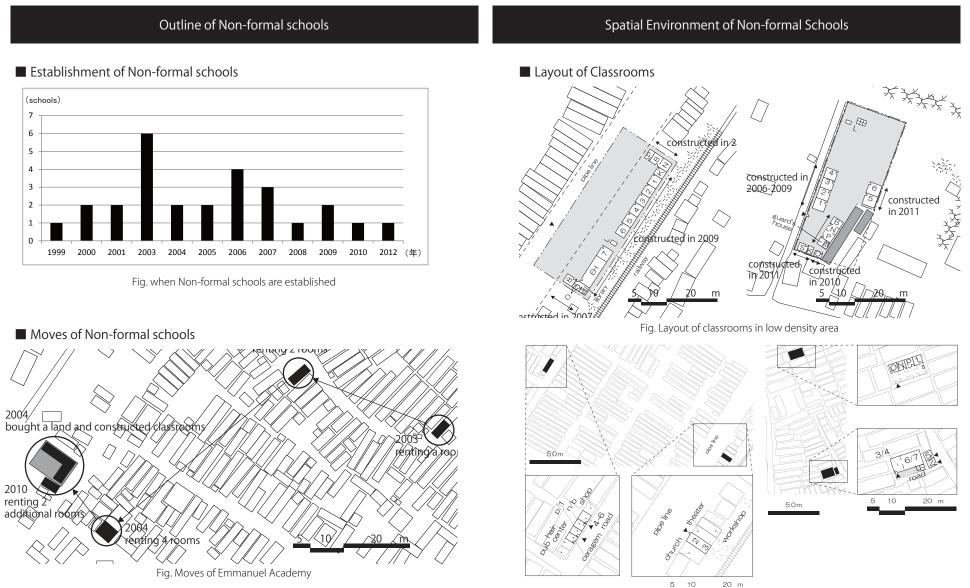


Fig. Layout of classrooms in high density area

② Findinge from Non-formal Schools

2 Findinge from Non-formal Schools

Spatial Environment of Non-formal Schools

Size and Material of Classroom

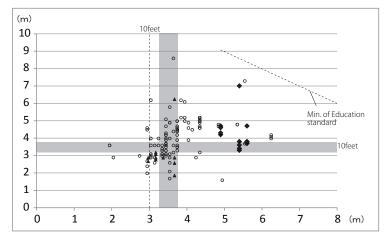


Fig. Size of classrooms

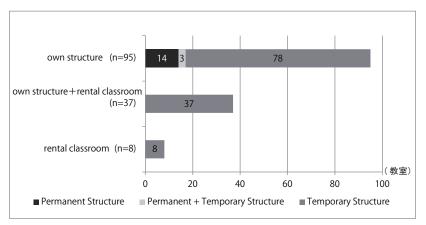
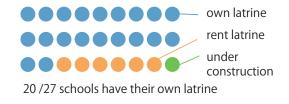


Fig. Material of classrooms

Facilities and Servicies



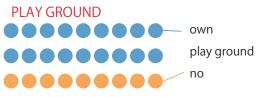


LUNCH FEEDING PROGRAM



6 /27 schools have full feeding program(mostly under church school), 4 schools have partly

Some schools had before, supported by company in industrial area.



18/27 schools have their own play ground

Most of the school which don't have play ground use Pipe Line area, KPLC ground, Reuben ground etc.

Ø Findinge from Non-formal Schools

② Findinge from Non-formal Schools

Some Attempts for Improving School Environment

LIGHT AND VENTILATION



this type of window is low cost and efficient to get light equally inside the classroom



top light is efficient when classrooms are surrounded by other structures

painting wall white is efficient to reflect the light

INSULATION



putting cloth, polythin paper or card board is efficient for insulation. Especially covering the ceiling reduce the heat from the roof.



putting wood on wall is also efficient. This works for insulation and also reducing the sounds.

FLOORS



putting stones or wood on the floor to protec pupils from mud.



Putting carpet for Putting concrete block disability children to sit on the floor. directly on the floor.

WATER SANITATION





GREENS





Pupils can drink and wash their hands or legs anytime they want. tap water (left) and tanked water (right)

are hanged as a symbol

small green pots small green sukuma in bags. garden and a tree Pupils are taking care of these

RAYOUT OF DESKS





pupils sharing

saves the space.

UNDER THE SHADE

from the classroom.

under shade.









pupils want to get out Under the eaves space It used to be covered by Play ground is covered act as an office, pupils papers. It might be by a big roof. On It is nice to have a space resting space and eating better if greens cover weekends, this space space during lunch time this. changes to church hall.



pupils can easily share their works, ideas and opinions. this layout is also

MATERIALS & SHELVES & HOOKS



hanging pupils bags. hanging materials clean than put on floor. for the class



wall painting as a full of materials learning material

including toys

Spacial Thanks

Muungano Support Trust Muungano Wa Wanavijiji Research Assistant: Joseph Mwendo Musioka (Muungano Wa Wanavijiji) Research Advisor: Irene karanja (Muungano Ssupport Trust) Research Coodinator: Mukuru School Association

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