MAKING A DIFFERENCE

IMPROVING SCHOOL FACILITIES IN DEVELOPING COUNTRIES

CfC
CONSTRUCTION FOR CHANGE

SCW
Schools for the Children of the World
1. THE PROBLEM
   HOW ARE SCHOOL FACILITIES AFFECTING EDUCATION WORLDWIDE?

2. STRATEGIES
   WHAT ARE WE DOING TO HELP?

3. THE FUTURE
   WHAT ELSE CAN OR SHOULD WE DO?
THE PROBLEM
GLOBAL EDUCATION STATISTICS

57 MILLION PRIMARY SCHOOL-AGE CHILDREN WERE NOT IN SCHOOL IN 2011.
69 MILLION YOUNG ADOLESCENTS (12-15 YEARS) WERE NOT IN SCHOOL IN 2011.
31 MILLION PRIMARY SCHOOL STUDENTS REPEAT A GRADE EACH YEAR.
THE PROBLEM
GLOBAL EDUCATION STATISTICS

DROP OUT BEFORE COMPLETING PRIMARY SCHOOL.

17% OF STUDENTS IN LATIN AMERICAN AND THE CARIBBEAN
42.1% OF STUDENTS IN SUB-SAHARAN AFRICA
33.3% OF STUDENTS IN SOUTH AND WEST ASIA

(DATA FROM UNESCO’S INSTITUTE OF STATISTICS, THE GLOBAL EDUCATION INDEX 2013, & UN.ORG)
THE PROBLEM
BARRIERS TO EDUCATION

MONN SOKCHEA’S STORY FROM CAMBODIA
(CLICK HERE FOR VIDEO – STOP @ 6:52)
THE PROBLEM
BARRIERS TO EDUCATION

ACCESS
• FINANCIAL LIMITATIONS
• HOME/FAMILY OBLIGATIONS
• DISTANCE & TRANSPORTATION
• NOT ENOUGH SCHOOLS

EQUITY
• GENDER INEQUITY
• RACIAL & ETHNIC INEQUITY
• URBAN VS. RURAL INEQUITY

QUALITY
• LOW QUALITY INSTRUCTION
• LACK OF RESOURCES
• POOR LEARNING ENVIRONMENTS

BARRIERS RELATED TO SCHOOL FACILITIES
THE PROBLEM
INADEQUATE SCHOOL FACILITIES

- OVER-CROWDING
- INSECURE / UNSAFE FACILITIES
- POOR SANITATION SYSTEMS
- POOR LIGHTING / NO ELECTRICITY
- LACK OF POTABLE WATER
- INADEQUATE VENTILATION
In 2006, a typical classroom in Zanzibar was 48 sq. meters, the average student population was 58 students per classroom, and all schools operated in at least two shifts.
THE PROBLEM
UNSAFE / INSECURE FACILITIES

THE JANUARY 2010 EARTHQUAKE DAMAGED OR DESTROYED OVER 4,000 SCHOOLS IN HAITI.
THE PROBLEM
POOR LIGHTING / NO ELECTRICITY

IN 2003, 62% OF SCHOOLS IN HONDURAS HAD NO ELECTRICITY.
THE PROBLEM
POOR VENTILATION
THE PROBLEM
LACK OF POTABLE WATER

IN 2006, 89.4% OF SCHOOLS IN THE EASTERN PROVINCE OF KENYA HAD NO WATER.
THE PROBLEM
POOR SANITATION SYSTEMS

IN 2010, 42.3% OF SCHOOLS IN NSUKKA, NIGERIA HAD NO SANITARY SYSTEM.
THE PROBLEM

HAVE YOU DONE WORK IN DEVELOPING COUNTRIES?
SCHOOLS FOR THE CHILDREN OF THE WORLD

- FOUNDED IN 1997
- 38 NEW SCHOOLS
- 75+ SCHOOL RENOVATIONS

CONSTRUCTION FOR CHANGE

- FOUNDED IN 2007
- 5 NEW SCHOOLS
- 4 OTHER PROJECTS

$9.6 MILLION IN SCHOOL FACILITIES WORLDWIDE
STRATEGIES

BUILD CLASSROOMS FOR THE PRESENT AND FUTURE

EMPOWER THE LOCAL COMMUNITY

UTILIZE LOCAL, SUSTAINABLE RESOURCES
STRATEGIES
BUILD CLASSROOMS FOR THE PRESENT & FUTURE

1. CREATE SPACE TO LEARN
2. MINIMIZE MAINTENANCE
3. BUILD SAFE SCHOOLS
STRATEGIES
BUILD CLASSROOMS FOR THE PRESENT & FUTURE

SCW CASE STUDY:
Peña Blanca, Honduras
293 Students
7 Classrooms; 11,470 square feet
K – 6th Grades
Built in 2009
$193,700
145% increase in enrollment
STRATEGIES
BUILD CLASSROOMS FOR THE PRESENT & FUTURE

CFC CASE STUDY:
STEP Kindergarten in Kampong Cham, Cambodia
Budget & Size: $52,000; 2,800 square feet
STRATEGIES
BUILD CLASSROOMS FOR THE PRESENT & FUTURE

SCW CASE STUDY:
Biré, Haiti
270 Students
6 Classrooms
1st – 6th Grades
Built in 2013
$400,000
64% increase in enrollment
STRATEGIES
THE IMPACT

THE IMPACT OF BETTER LEARNING ENVIRONMENTS
(CLICK HERE FOR VIDEO – STOP @ 1:25)
STRATEGIES
WHAT’S THE COST?

SCW CASE STUDY:
La Gran Villa, Honduras
2 Classrooms & Covered Multi-Use Area

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATERIALS &amp; EQUIP.</td>
<td>$49,511.73</td>
<td>65%</td>
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<tr>
<td>LABOR</td>
<td>$15,691.18</td>
<td>21%</td>
</tr>
<tr>
<td>FURNITURE</td>
<td>$1,949.49</td>
<td>3%</td>
</tr>
<tr>
<td>DESIGN &amp; ADMIN.</td>
<td>$5,403.15</td>
<td>7%</td>
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<tr>
<td>CONTINGENCY</td>
<td>$3,584.89</td>
<td>5%</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$76,140.44</strong></td>
<td><strong>100%</strong></td>
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</table>

$22.73 PER SQUARE FOOT
STRATEGIES
EMPOWER THE LOCAL COMMUNITY
STRATEGIES
EMPOWER THE LOCAL COMMUNITY

COMMUNITY MEMBERS:

- INITIATE PROJECTS
- APPROVE DESIGNS & BUILDING METHODS
- RECEIVE CONSTRUCTION TRAINING
- BUILD CLASSROOMS
- SUPPLY LOCAL MATERIALS
- OWN & MAINTAIN PROJECTS
# STRATEGIES

**EMPOWER THE LOCAL COMMUNITY**

<table>
<thead>
<tr>
<th>PARTNER</th>
<th>% FUNDS</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCW &amp; Partners</td>
<td>50%</td>
<td>Planning &amp; Design, Materials, Construction management</td>
</tr>
<tr>
<td>Local Government</td>
<td>35%</td>
<td>Site and road improvements, Qualified labor</td>
</tr>
<tr>
<td>Community</td>
<td>15%</td>
<td>Sand, Gravel, Volunteer labor</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>100%</strong></td>
<td></td>
</tr>
</tbody>
</table>
STRATEGIES
EMPOWER THE LOCAL COMMUNITY

SCW CASE STUDY:
Centro Básico Republica de Honduras
San Jose de Balincito, Honduras
345 Students
8 Classrooms
7,750 square feet
$255,000
Seismic design
STRATEGIES
UTILIZE LOCAL, SUSTAINABLE RESOURCES

- NATURAL LIGHT & VENTILATION
- ALTERNATIVE ENERGY
- WATER CONSERVATION & TREATMENT
- ALTERNATIVE WASTE SYSTEMS
- LOCAL RESOURCES
- RE-PURPOSED MATERIALS
STRATEGIES
UTILIZE LOCAL, SUSTAINABLE RESOURCES
WHAT IS THE ROLE OF CEFPI & CEFPI MEMBERS IN DEVELOPING COUNTRIES?
THE FUTURE
HOW TO GET INVOLVED

• INFORMATION SHARING
• CONSULTING
• LEADING EDUCATION DESIGN
• VOLUNTEER
• FUNDRAISE LOCALLY
• EXPLORATION TRIPS
• SPREAD THE WORD
• OTHER IDEAS?

CEFPI Members Amy Yurko, Neil Kersten, & Rob Pillar volunteering with SCW in Honduras and Haiti.
THANK YOU FOR JOINING US!

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