



## **Final report to Fondation Eagle – 5<sup>th</sup> September 2022**

### **Strengthening education and vocational training in Naivasha, Kenya**

**Fondation Eagle Reference:** FF 625

**Name of Charity:** Footsteps International (UK registered charity number 1091026)

#### **Introduction**

On 4<sup>th</sup> April 2022, Fondation Eagle accepted our project proposal and awarded Footsteps International a grant of GBP 21,340. The aim of the project was to strengthen education and vocational training for disadvantaged young people in Naivasha, Kenya by:

- Carrying out building repairs and extensions and providing equipment and books for the Naivasha Technical Training Institute;
- Upgrading the science laboratory and equipment at Bishop Wambari Girls Secondary school;
- Providing textbooks for former street boys at the Sunshine street boys rehabilitation centre.

The **project beneficiaries** were:

- 350 trainees at Naivasha Technical Training Institute (NTTI),
- 173 students at Bishop Wambari Girls Secondary School,
- 61 primary-age former street boys at the Sunshine Centre.

We received the grant on 13<sup>th</sup> April 2022 and transferred it to Kenya on the same day, enabling the management team to start the project immediately. The items in the project achievements report below are referenced N1, W1, S1, etc to relate back to the budget in our funding application.

#### **Project achievements - Naivasha Technical Training Institute (NTTI)**

##### **Fashion and Design classroom extension (N1):**

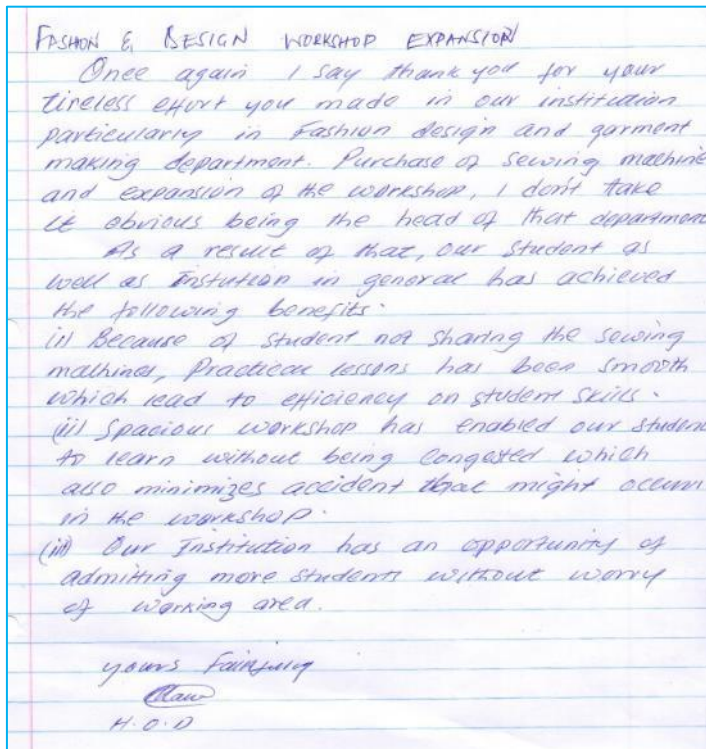
We constructed a 6.7 metre x 6.7 metre extension to the fashion and design classroom. Construction started on 20<sup>th</sup> April with trenching and construction of walls, roofing and fixing of windows and doors. The walls were left to dry and painted on 23<sup>rd</sup> July, 2022.





The completed Fashion and Design classroom extension

The classroom extension has provided spacious accommodation for 42 students, eliminating overcrowding, improving air circulation and safety.



Letter of thanks from Head of Department



Students arriving in the enlarged Fashion and Design workshop ready to start lessons



## Upgraded Student Kitchen Facilities (N2)

We upgraded 6 student kitchens, replacing rusty corrugated iron walls, and providing ventilation, safe cooking areas, and food storage cupboards. Each kitchen is 3 x 3 metres in area, suitable for 6 students to share.



*Exterior and interior views of the students' kitchens during construction*



*Trainees using the newly built kitchens*

The completed student kitchens have provided the following benefits:

- i) They are clean, vermin-resistant, well-ventilated and meet health regulations.
- ii) They have provided safe storage for food, utensils and gas cylinders
- iii) They have improved overall hygiene
- iv) They have reduced the risks of accidents

Boys Hostel (Kitchen Upgrade)

The upgraded kitchen ~~has~~ in our institution have created a good cooking and preparation of Food Platform. The shelves are in good condition and they are enabling us to place our utensils, gas cylinders, Stoves and mixers on a firm platform.

The ~~look~~ looks on the bottom part of the shelves has given us a safe place to keep our belongings like food items and cooked food, where no rodents or another person can access and possibly take the items or the rodents destroying and contaminating our food.

We are now enjoying a nice cooking environment with a good cooking space and a well ventilated kitchen.

The kitchen has been constructed near to our hostel and water taps, thus sanitation and cleaning <sup>of the</sup> upgraded <sup>kitchen</sup> has been made easier, the electricity in the kitchen has enabled us to cook even during the night and early in the morning with ease.

Floor finishing and the finishing on the shelves has improved our hygiene because cleaning is now fast and it will take long before to be dirty because there are no potholes or holes in the upgraded kitchen.

Gentlison K.  
(Signature)

ACKNOWLEDGEMENT

We would like to acknowledge the construction of the new kitchens at the ladies hostel. The kitchens modern compared to the old and have more space.

It accommodates more ladies and have places where the ladies can put the utensils and cooking stuff while at the kitchen.

The room (kitchen) is so well ventilated the ladies can cook comfortably without feeling suffocated.

We appreciate and thank the donors for their support for the modern kitchen, may the almighty bless them abundantly.

Md. EYE  
Ladies hostel in charge.

Letters of thanks from trainees

### IT equipment for the NTTI Digital Learning Centre (N3)

The in-house IT staff have enhanced the IT system in the Digital Learning Centre by upgrading the network, and purchasing and installing 10 Uninterrupted Power Supply (UPS) units. These actions have improved the reliability of the IT system and provided trainees with significantly improved access to on-line resources.



Trainees in the digital learning centre



The upgraded IT equipment has provided the following benefits:

- i) Faster browsing and download of learning materials for both staff and students
- ii) Enhanced protection of students' data during power surges
- iii) Enhanced protection of computers from the effects of instant power cuts, prolonging computer life
- iv) Stable and reliable network for the school population, staff and students



- v) Trainers now have wi-fi access to relevant learning/teaching materials in their offices, helping them to prepare teaching sessions more effectively.



*ICT trainees carried out network installation in the library under the supervision of a trainer*

### **Network upgrade**

The donation from Eagle Foundation helped us to purchase and install modern equipment and accessories to enhance internet coverage in the institution, providing NTTI with:

- i) A stable network that no longer has incessant interruptions;
- ii) Ability to serve a larger population of students, and those with smart phones can now browse for learning materials online.
- iii) Trainees have uninterrupted computer study sessions in the digital learning centre.



*ICT department trainer and trainees carrying out the network upgrade*

## REPORT ON BENEFITS OF USING UPS AND PROJECTOR IN OUR INSTITUTION (AIC POLYTECHNIC)

### ACKNOWLEDGEMENT.

We would like to thank all those who were involved in helping our institution to acquire UPS and projectors. Without their support and guidance it wouldn't have been possible. These resources will help our department to carry out its normal activities such as training of students in an interactive way without being affected by spontaneous power losses.

*Appreciation from Gathata - a trainee in the ICT Department*

### New tools and equipment for NTTI training courses (N4-N10)

We used your grant to purchase a range of essential equipment for trainees to learn effectively:

**10 straight sewing machines (N4)** for the Fashion and Design Department. We now have one sewing machine for each trainee which ensures that each student can immediately put theory into practice and reduces the frustration of wasted time in classes.



*Fashion and design class in progress*

STUDENT (FASHION & DESIGN WORKSHOP)

On behalf of garment making department, I take this opportunity to appreciate for development of our workshop and equipment for learning.

Enlargement of workshop have been a great benefit to us since it has reduced cases of accident like faints due to congestion. Also the increment of sewing machine has helped us to improve more in practical lessons since there is no sharing of machines.

We are very grateful for your impacts in our academics.

Yours Faithful  
*Jacinta*  
Jacinta Mumbi.

*Appreciation from Jacinta - a trainee beneficiary in the Fashion and Design class*

**2 die stocks (N5)** for the Plumbing department. These have been a great benefit to the students by reducing sharing and delays. We can also repair equipment when necessary without causing disruption to training. We are now experiencing:

- Enhanced quality training in the department
- Quality of pipe threads is now better and standardized with the new equipment





- We have adequate machines in the department
- Trainees are able to use them efficiently as the job market demands.



Trainees using the new diestocks



We thank you for the provision of the pipe vice and the diestock. They have made the training of practicals become more easier to the trainees. They have enabled the trainees to acquire more skills which will assist them in the job market.

Benard Kimeu  
Trainee

*Note of appreciation from trainer Benard Kimeu*

**10 Pipe vices (N6)** for the Plumbing department. These have also been a great benefit to the plumbing trainees by ensuring there are sufficient vices to reduce sharing and the associated frustrating delays during practical classes. The benefits are:

- The additional 10 vices have made practical training sessions easy.
- We save wasted time in practical lessons.
- Pressure on the vices has been reduced due to the current ratio of students to vice, reducing wear and tear over time.
- Disruption of practical lessons attributed to breakdown of the vices has been solved.





Mary Kamau in Plumbing department using pipe vices in her workshop

I am a student from AIC Naivasha technical training institute. I would like to thank the Eagle foundation for the much love they have shown us. To the eagle foundation thank you for the new Die stocks and Pipe vices you donated to us. We say thank you. It is rare to see such caring people but it's all about your love for us. It symbolizes how much you love us. May the Almighty God bless you.

Working for less hours and without much effort and performing a presentable work has been our desire. The new Vices and Die stocks have enabled us to perform the best work ever. They are also easy to operate and set, seeing that they are Modernised and strong. We are appreciate a lot. Thank you

David Mwaura

Comment from trainee David Mwaura in the Plumbing and Masonry Department

### **A radiator pressure tester (N7) for the Automotive department.**

This has been a great benefit. Previously, trainees were simply taught theory and struggled when they had to take exams using unfamiliar, borrowed equipment.



Automotive trainees Daniel (left) and Rahim (right) using the Radiator Pressure Tester

This new equipment is providing enhanced skills to trainees such as David and Rahim, and will ensure they are familiar with the equipment when they take their exams.

### **AUTOMOTIVE DEPARTMENT TRAINER'S COMMENT:**

#### **Radiator Pressure Tester**

**The radiator pressure tester has improved our training programmes in terms of the cooling system. It has enabled automotive trainers to demonstrate to the students how to carry out cooling system leakage tests.**

**It has also been instrumental in our current NITA examination, where one of the practical question requires the use of a radiator pressure tester. Trainee are able to use the machine effectively**



**boosting their exam results, their self-esteem as well as they are not challenged by the use of this machine any more.**

**Collins Shihemi**  
**Head of Department and Trainer**

**6 whiteboard kits (N8).** We purchased and installed whiteboards in 6 classrooms to replace the blackboards and chalk we used previously. This has eliminated the hazard of chalk dust and has brought the Institute into line with Kenya's Ministry of Education requirements.

The grid boards, an attachment to the whiteboards, have made training of technical drawing easy for both trainee and trainer



*Plumbing departmental Trainer Florence with trainees in their workshop*



*Fashion and design class in session*

APPRECIATION TO EACILE FOUNDATION.  
We, A.T.C. NAIVASHA TECHNICAL TRAINING INSTITUTE Teaching Fraternity, We are grateful for the Whiteboards that you assisted us to acquire. The use of blackboards caused alot Challenges to us, because of the Chalk dust which at times caused alot of problems to trainers and trainees when Inhaled. The use of Whiteboards has eliminated all this Problems. Thanks alot for considering our Institution and Showing us such Kindness. We are Indebt for your great and amazing help.  
God bless you and grant you with longlife and May Divine health be your portion. Thank Very Much.  
Yours faithfully  
[Signature]  
PETER. H. MWANGI  
CHIEF TRAINER.

*Note of appreciation from Peter Mwangi, Chief Trainer, NTTI*

**ICT projector (N9).** This has been a great benefit as it has allowed all departments to provide much higher quality presentations. The projector is available for management meetings, too, which has improved the professionalism of our presentations.

The new projector enables projection of learning materials, making the sessions more interesting and efficient. Increased clarity means trainers can now scroll easily through training slides, and trainees can now take in more information during complex training sessions.



*ICT class in session using the new ICT projector*

**Text books for all departments (N10).** Your grant enabled us to purchase 113 text books covering all of our courses. We now have an extensive, modern reference library, which is a valuable asset to trainees and will help them secure better exam grades. We have provided a full list of the books we purchased in the annex.

Your donation for purchase of textbooks is a blessing to NTTI:

- It has provided a range of textbooks for reference, thereby expanding trainees' knowledge acquisition
- helped equip the library with relevant books for technical education as required by the government
- allows trainees to borrow books for group studies and to refer to during their free time.



*Joel Karanja using the newly acquired books in the Library*



*Monicah Njeri is a Hair and Beauty trainee with one of the many reference books in the library*



*David Kioko in the library*



## **MANAGER'S COMMENT**

*On behalf of the training staff of AIC NTTI, I wish to express our gratitude for your unwavering kind gestures of donations of tools, equipment, facilities and books.*

*Training of our students has now been made easy and modernized with the availability of the assorted items as was requested.*

- *There is now adequate training space in Fashion and design workshop and adequate sewing machines for every trainee.*
- *Plumbing trainees are no longer scrambling for there are now adequate.*
- *MVM training now has the Radiator pressure gauge.*
- *Boarding trainees now enjoy upgraded kitchen facilities with concrete working tables and storage space for food and utensils.*
- *The institution now boasts of a stable network courtesy of the network upgrade and our library computers are now protected from power surges.*
- *Projection of learning data using the projector has made learning more interesting to students and trainers.*
- *The textbooks have made reference easy and acquisition of knowledge available.*
- *The whiteboards have given a new face to our classrooms and eradicated infections from chalk dust as well as meet the requirements by the government.*

*All these have given us the morale to work better and harder in order to adequately equip our students with knowledge and skills in their desired courses to build their future.*

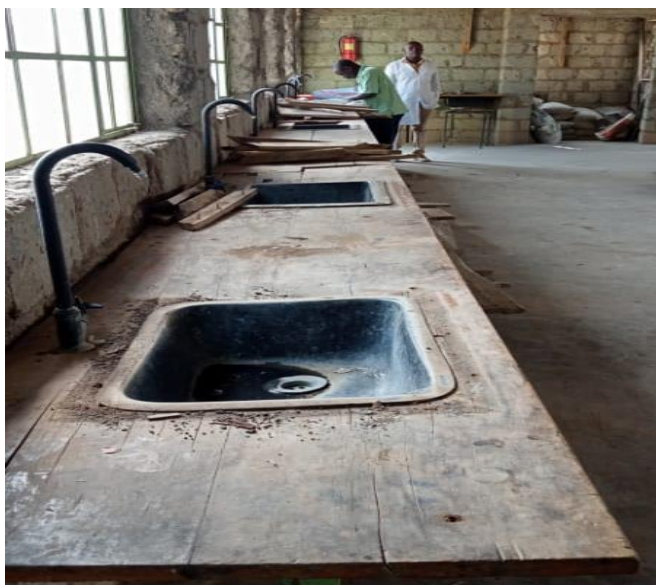
*May abundant blessings continue upon your lives*

**George O. Juma**  
**MANAGER**  
**AIC NTTI**

## Project achievements – Bishop Wambari Girls Secondary School

### Upgrade Science laboratory (W1)

Your grant enabled us to upgrade the science laboratory at Bishop Wambari A.I.C Girl's Secondary School by replacing worn out sinks, taps and raising the front floor for the students to see the teacher properly during demonstration.



*Science Laboratory sinks before renovation*



*Students using the sinks after renovation.*

**We also purchased the following equipment, including:**

- A digital balance to weigh reagents for practical classes,
- Portable Bunsen burners
- Scientific information charts
- Projector and screen to watch educational videos

The laboratory is now clean, efficient and safe and provides the school with means to provide the extra practical lessons require by Kenya's new competency based curriculum.



*Form one and Form two students displaying Biology charts and plastic human heart and skeleton.*

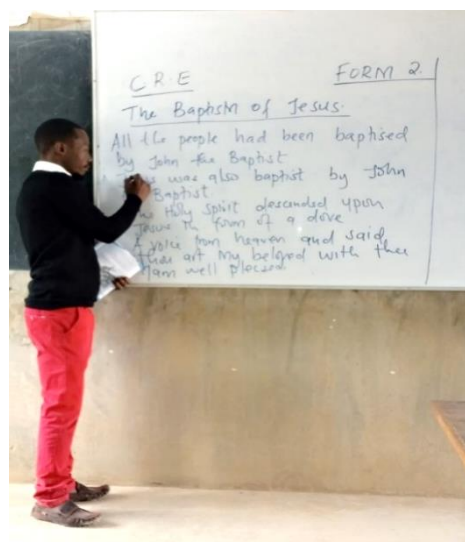




### **Provide 6 whiteboards (W2)**

We purchased and installed a whiteboard kit in each classroom and laboratory.

This has eliminated the hazard of chalk dust and has brought the school into line with Kenya's Ministry of Education requirements.



Whiteboard in use during a CRE lesson

### **VOTE OF THANKS:**

#### **DEPUTY PRINCIPAL**

*On behalf of Bishop Wambari Girls Secondary School I take this opportunity to thank Eagle Foundation for their generous support for our institution. Our laboratory is now well equipped to a high standard which makes learning much easier. We are sure that this will help our girls achieve improved results.*

*We also want to thank Eagle Foundation for your support in previous years. During the Covid 19 pandemic you gave us water tanks to harvest rain water to be used by the student. As we face the sixth wave of the pandemic we have enough water for washing hands and clean water for consumption by the students and the staff. The drip irrigation system which was funded by Eagle Foundation keeps the school farm well-watered, so that our students are now able to have nutritious food as we provide them with kales, onions, tomatoes and cabbages from the farm, even during the dry seasons. Beside vegetable production we also grow cattle feeds such as lucerne and maize stalk which we give to our cows for milk production. This also help us save the cost of purchasing milk which is expensive at the moment.*

**Alfred Maina**

#### **TEACHER**

**To Eagle Foundation:**

*On behalf of the Bishop Wambari A.I.C Girls staff, I would like to express our sincere gratitude for the great support to upgrade our laboratory to the required standards. We also appreciate the installation of the white boards since we no longer have to fight the respiratory diseases due to chalk dust. Equipping of the laboratory with modern apparatus has simplified the practical aspect of the science subjects making learning easy and fast. We highly appreciate this support which is no easy to get.*

**Thank you very much.**

**Mr. Mahinda**

**Dean of students.**

## STUDENT

*We as the students of Bishop Wambari would like to express our gratitude for the laboratory apparatus that we recently received. These have made our practical's much easier. Our laboratory also received a few touches here and there and is now much better. Alongside that, the whiteboards in the classes have also been of great benefit to us. Before we used the chalkboards in which after erasing, chalk dust would affect our eyes and respiratory tracks but we all thank Eagle Foundation that this does not exist anymore.*

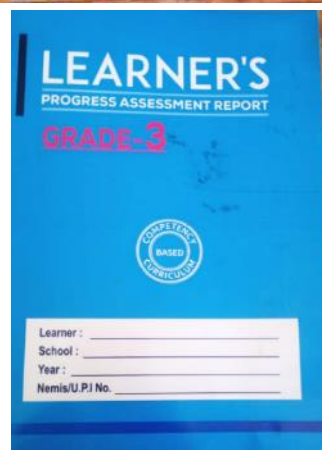
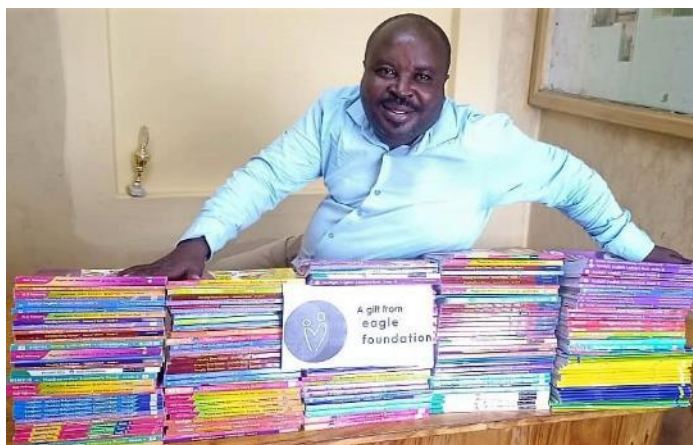
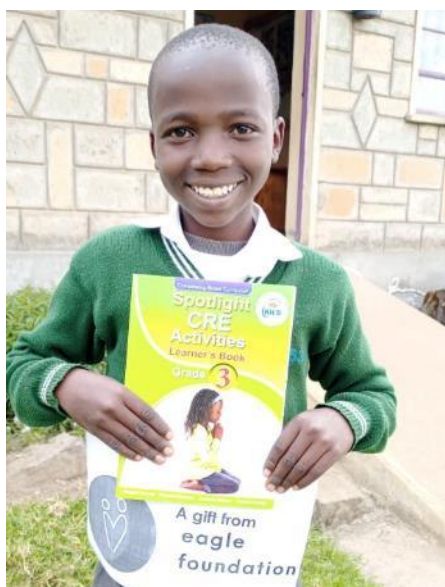
*Thank you for all that you have provided to us.*

*From Casey Wanjiru, Form three.*

## **Project achievements – Sunshine street boys rehabilitation centre**

**Provide text books for former street boys at the Sunshine Centre (S1).**

We used your grant to purchase 380 text books for the primary school aged boys at the Sunshine Centre. A full list of the books is included in the annex.



*Sunshine centre boys and Social Worker Simon Kuria are very happy to receive the new books courtesy of Eagle Foundation*



We are now able to provide extra tuition in the evenings and at weekends to help our 61 class 1 to 6 boys improve their grades. The books teach the subjects in the way required by Kenya's new competency-based curriculum.

#### **Comments from Simon Kuria, Social Worker**

*The newly acquired CBC text books are playing an essential role in our Grade 1- 6 learners lives by introducing them to a world of imagination, providing knowledge of the outside world, improving their reading, writing and speaking skills as well as boosting their memory and intelligence.*

*The variety of books for all subjects under CBC system is really helping to inspire our learners to do hard work with courage and hope. They are enriching the experiences of these learners and sharpen their intellect. Though they had only utilized them for just one month before they sat for their end of term one exam, we did note improvement in most of them meeting them expectation of the examiners. I'm very hopeful of even better results by our class 6 when they sit for pioneer CBC National exams in early December 2022, paving way for them to continue on to Junior Secondary School in early January 2023.*

#### **Challenge**

It took our supplier 3 weeks to have all the 380 books assembled for delivery. This was caused by the fact that the curriculum is new, and the demand of the books was higher than the supply.

#### **Successes**

With the provision of the funds we were able to deliver a variety of books for every subject taught under the new education curriculum as we envisaged in our proposal. The list pf books we purchased with your help is presented in the Annex.

## Expenditure summary

Our estimated cost for the project was 3,094,342 Kenya Shillings (KES) using a rate of GBP 1 = 145 KES for our budget. We received the Fondation Eagle grant of GBP 21,340 on 13<sup>th</sup> April 2022, and transferred the funds to the three projects in Kenya on the same day. We obtained an actual exchange rate of GBP 1= 149 KES.

The table below summarizes the budgeted and actual expenditure (over-spend is in brackets).

Ref	Resource required	Institution	Est cost KES	Est cost GBP	Actual cost KES	Variance KES	Actual cost GBP
N1	Enlarge Fashion and Design workshop	NTTI	440,486	£3,038	441,560	(1,074)	2,963
N2	Upgrade student kitchen facilities	NTTI	635,790	£4,385	631,495	4,295	4,237
N3	IT equipment for the NTTI Digital Learning Centre	NTTI	188,200	£1,298	188,820	(620)	1,267
N4	10 straight sewing machines (Fashion and Design dept)	NTTI	165,000	£1,138	169,000	(4,000)	1,134
N5	2 die stocks (Plumbing dept)	NTTI	100,000	£690	97,500	2,500	654
N6	10 Pipe vices (Plumbing dept)	NTTI	150,000	£1,034	150,000	-	1,006
N7	Radiator Pressure Tester (Automotive dept)	NTTI	30,000	£207	35,000	(5,000)	235
N8	ICT projector	NTTI	52,000	£359	54,000	(2,000)	362
N9	6 whiteboard sets	NTTI	180,000	£1,241	182,324	(2,324)	1,223
N10	Text books (all departments)	NTTI	431,950	£2,979	429,246	2,704	2,880
	<b>Total</b>	<b>NTTI</b>	<b>2,373,426</b>	<b>16,368</b>	<b>2,378,945</b>	<b>(5,519)</b>	<b>15,962</b>
W1	Upgrade science lab	Wambari	350,000	£2,414	345,215	4,785	2,316
W2	6 whiteboard sets	Wambari	180,000	£1,241	180,000	-	1,208
	<b>Total</b>	<b>Wambari</b>	<b>530,000</b>	<b>3,655</b>	<b>525,215</b>	<b>4,785</b>	<b>3,524</b>
S1	New curriculum text books	Sunshine	190,916	1,317	190,916	-	1,281
	<b>Total</b>	<b>Sunshine</b>	<b>190,916</b>	<b>1,317</b>	<b>190,916</b>	<b>-</b>	<b>1,281</b>



Cost summary by institution	Est cost KES	Est cost GBP	Actual cost KES	Actual cost GBP
Naivasha Technical Training Institute	2,373,426	16,368	2,378,945	15,962
Bishop Wambari Girls School	530,000	3,655	525,215	3,524
Sunshine street boys centre	190,916	1,317	190,916	1,281
<b>Grand total</b>	<b>3,094,342</b>	<b>21,340</b>	<b>3,095,076</b>	<b>20,767</b>

Our project teams delivered the project as follows:

- NTTI – an overspend of KES 5,519 (GBP 37)
- Bishop Wambari School – underspend of KES 4,785 (GBP 32)
- Sunshine Centre – on budget

The total project spend over the 3 institutions was GBP 20,767, which leaves an unspent balance of GBP 573. This is almost entirely due to the beneficial exchange rate obtained when the funds were transferred to Kenya.

#### Summary of project benefits

Situation in April 2022	Situation in July 2022
<b>NTTI</b>	
Our Fashion and Design classroom was cramped and had become too small to hold all the students taking this popular course.	We now have a spacious room capable of training 42 students in comfort.
Our student kitchens were rusty, smoky when students were cooking, and did not meet health standards.	We now have 6 of new, hygienic student kitchens which the students are happy to use.
We lacked essential tools and equipment for our plumbing, tailoring and motor vehicle courses which caused difficulties learning and frustration because equipment had to be shared.	We now have a good level of essential tools. Students and trainers are happier, and we are well-placed to get better exam results.
Our library lacked up to date books on most subjects	We now have a well-stocked library that is providing a valuable resource to both trainees and staff.
We relied on blackboards and chalk to teach trainees, and trainees were subjected to chalk dust, which is no longer acceptable to the Kenya government.	We now have whiteboards and a data projector, which have enhanced the quality of our teaching and removed the dust hazard, enabling us to meet government requirements.
<b>Bishop Wambari Girls Secondary School</b>	
The sinks in our science laboratory were broken and damaged	We now have smart new sinks that are fit for purpose
We had insufficient laboratory equipment and teaching aids to meet the requirements of the new CBC curriculum.	We now have the equipment and teaching aids we need to teach the CBC curriculum.

<b>Sunshine street boys rehabilitation centre</b>	
We were unable to give the boys tuition in the new CBC curriculum, which was holding back their learning at school.	We now have books covering all CBC subjects for the boys in primary school years 1 to 6, and already see an improvement in their school performance.

## Conclusion

This multi-dimensional project was completed on time and in full, and slightly under-budget.

The actions we have been able to take will bear fruit for many years to come in the lives of the young people we help as they take their place in the community armed with the knowledge and skills that Eagle Foundation has so generously helped them acquire.

## Acknowledgment

Our final thanks comes from Rev Simon Kinyanjui, director of all three projects in Naivasha:

*I take this opportunity to thank Eagle Foundation for this important grant.*

*The funding has boosted academic performance of our boys at the Sunshine Centre and Girls of Wambari secondary school leading to great careers in their future.*

*It has also seen modernization of our technical school which makes it more attractive to trainees due to the enhanced training capacity, turning the institution into one of the best faith based technical training facility in the region. Trainees from disadvantaged family backgrounds can now get high quality training courtesy of newly acquired facilities as a result of this funding.*

*I'm very thankful.*



*Some of the members of the management teams of the three institutions*



# ANNEX

## NAIVASHA TECHNICAL TRAINING INSTITUTE CLASSROOM QUOTATION 22FT SQUARED (N1)

PARTICULARS	UNITS	QUANTITY	UNIT COST KES	ESTIMATED COST	ACTUAL COST KES	VARIANCE (KES)
Stones 9 x 9	Loads	1	11,000	11,000	11,000	-
Stones 6 x 9	Loads	1.5	16,500	16,500	16,500	-
Ballast	Loads	5	6,000	30,000	30,000	-
Sand	Loads	5	7,000	35,000	35,000	-
Murram	Loads	2	4,000	8,000	8,000	-
Hard core	Loads	4	4,500	18,000	18,000	-
Cement	Pcs	100	550	55000	63250	(8250)
Timber 4 x 2	Ft	500	50	25000	26500	(1500)
Timber 3 x 2	Ft	300	40	12000	14000	(2000)
Timber 8 x 1	Ft	90	100	9000	9300	(300)
Iron Sheets 2.0	Mtrs	18	800	14400	14670	(270)
Iron Sheets 2.5	Mtrs	18	1,000	18,000	19,530	(1530)
Ridges	Pcs	5	400	2000	2000	-
Steel Bars D-12	Pcs	5	1,200	6,000	6,250	(250)
Steel Bars D-8	Pcs	4	700	2800	2800	-
Binding Wire/Nails				5000	5750	(750)
Steel Windows	Pcs	2	10,000	20,000	20,000	-
Paint Emulsion	Gallons	1	10,000	10,000	10,000	-
Paint Silk	Gallons	1	10,000	10,000	10,000	-
Electricals				15,000	16,350	(1350)
<b>Total</b>				<b>322,700</b>	<b>338,900</b>	
Labour			30%	<u>96,810</u>	<u>102,660</u>	<u>(5850)</u>
<b>Total</b>				<b>419,510</b>	<b>441,560</b>	<b>(22050)</b>
Contingencies			5%	<u>20,976</u>	-	<b>(20,976)</b>
<b>GRAND TOTAL</b>				<b><u>440,486</u></b>	<b><u>441,560</u></b>	<b><u>(1,074)</u></b>

NAIVASHA TECHNICAL TRAINING INSTITUTE QUOTATION FOR 6 HOSTEL KITCHEN UPGRADE (N2)						
PARTICULARS	UNITS	QUANTITY	UNIT COST	ESTIMATED PRICE KES	ACTUAL COST KES	VARIANCE (KES)
Quarry Stones	Loads	4	11,000	44,000	44000	-
Sand	Loads	3	7,000	21,000	21000	-
Ballast	Loads	3	6,000	18,000	18000	-
Hard core	Loads	5	4,500	22,500	22500	-
Cement	Pcs	150	550	82,500	88000	(5,500)
Assorted Timber	Ft	2000	50	100,000	112300	(12,300)
Iron Sheets 2.0	Mtrs	110	800	88,000	89650	(1650)

Iron Sheets 2.5	Mtrs	40	1,000	40,000	43400	(3400)
Door Frames (Timber)	Pcs	6	1,000	6,000	6000	-
Timber Doors	Pcs	6	1,650	9,900	9900	-
Timber Windows	Pcs	6	1,000	6,000	6000	-
Roofing Nails	Kgs	30	220	6,600	6600	-
Nails 4"	Kgs	30	140	4,200	4200	-
Nails 2.5"	Kgs	12	140	1,680	1680	-
Weld Mesh 8" x 4" x 4"m	Pcs	6	900	5,400	5400	-
Electricals				10,000	10600	(600)
<b>Total</b>				<b><u>465,780</u></b>	<b><u>489230</u></b>	<b><u>(23,450)</u></b>
Labour			30%	<u>139,734</u>	<u>142264</u>	<u>(2,530)</u>
<b>Total</b>				<b><u>605,514</u></b>	<b><u>631,494</u></b>	<b><u>(25,980)</u></b>
Contingencies			5%	<u>30,276</u>	-	<u>30,276</u>
<b>GRAND TOTAL</b>				<b><u>635,790</u></b>	<b><u>631,494</u></b>	<b><u>4,296</u></b>

#### NTTI NETWORK EQUIPMENT UPGRADE (N3)

ITEM	NO	ESTIMATED COST KES	ACTUAL COST	VARIANCE (KES)
Rack/Cabinet	1	6,700	7,000	(300)
M5 Ubiquiti Nanostation	1	10,000	10,000	-
Switch 24 Port	1	6,500	6,820	(320)
Patch Panel	1	5,000	5,000	-
Router Tenda (6000mbps)	1	3,000	3,000	-
Assorted Accessories	1	7,000	7,000	-
Uninterrupted Power Supply UPses	10	150,000	150,000	-
<b>TOTAL</b>			<b><u>188,820</u></b>	<b><u>(620)</u></b>

#### NAIVASHA TECHNICAL TRAINING INSTITUTE TEXTBOOKS FOR DIGITAL LEARNING CENTRE (N10)

TEXTBOOK	QUANTITY	UNIT COST KES	ESTIMATED COST KES	ACTUAL COST KES	VARIANCE (KES)
ELECTRICAL INSPECTION AND TESTING	2	2,000	4,000	8,580	-4,580
ELECTRICAL INSTALLATION DESIGN	1	3,000	3,000	4,450	-1450
AUTOMOTIVE TECHNICIAN TRAINING	1	6,000	6,000	5,340	660
ELECTRICAL MACHINES	2	5,000	10,000	9,500	500
ELECTRICAL HYBRID VEHICLES	1	7,000	7,000	4270	2,730
CAR ELECTRICAL AND ELECTRONICS	1	3,500	3,500	4790	-1,290
APPLIED MATHS FOR CRAFT ENGINEERING	4	4,000	16,000	11,000	5,000
ELECTRICAL SCIENCE	4	4,000	16,000	15,500	500
HOW TO DO ELECTRICAL SYSTEMS	1	4,200	4,200	3,950	250



MAKE UP TECHNIQUES	1	3,500	3,500	5,950	-2450
CLASSIC HAIR STYLES	1	3,500	3,500	5,250	-1750
MOTIVATE ELECTRICAL INSTALLATION PRINCIPLES	4	3,000	12,000	14,000	-2000
PRACTICAL GUIDE TO PLUMBING	2	6,500	13,000	7,860	5140
PLUMBING TECHNOLOGY	2	6,000	12,000	7,950	4050
BUILDING TECHNOLOGY	3	12,000	36,000	17,970	18030
PRACTICAL GUIDE TO BUILDING	2	3,500	7,000	7,860	-860
FASHION DESIGNER	2	2,000	4,000	9,000	-5000
TEXTILES SCIENCE EXPLANATION	1	1,500	3,000	3,950	-950
COMPLETE SEWING GUIDE	1	1,500	3,000	3,870	-870
WORKSHOP TECHNOLOGY-G.H THOMAS	2	550	550	7,900	-7350
PLUMBING-MUSCOFT	2	4,500	9,000	11,900	-2,900
THE INNOVATOR -MATHS	2	3,000	6,000	1,160	4,840
BEAUTY THERAPY 3	2	3,250	6,500	12,600	-6,100
FUNDAMENTALS AUTOMATIVE	2	4,750	9,500	11,000	-1,500
BEAUTY THERAPY 2	2	5,000	5,000	11,900	-6,900
THE MOTIVATE INDUSTRIALIZATION VOLUME 1	2	5,000	10,000	9,300	700
MOTOR VEHICLE ENGINEERING AND MAINTENANCE	5	4,000	20,000	24,000	-4,000
A TEXTBOOK OF ELECTRICAL TECHNOLOGY	2	12,400	24,800	17,000	7,800
BUILDING CONSTRUCTION	2	12,000	24,000	7,396	16,604
AUTOMOBILE ELECTRICAL AND ELECTRONICS	1	7,450	7,450	7,650	-200
MOTIVATE-MOTOR VEHICLE	5	3,500	17,500	17,500	-
HAIRDRESSING-THE INTERACTIVE	1	5,000	5,000	5,250	-250
GEOMETRICAL ENGINEERING	2	3,000	6,000	5,900	100
BRICK WORK	2	3,000	6,000	7,300	-1300
MOTIVATE-WELDING	2	3,500	7,000	9,300	-2300
SHORTHAND NEW ERA	2	1,500	4,500	3,900	600
BUILDING TECHNOLOGY 12TH EDITION	2	12,000	24,000	20,000	4000
BUILDING TECHNOLOGY 10TH EDITION	1	7,500	7,500	9,000	-1500
MOTIVATE -BUILDING	2	3,500	7,000	8,000	-1000
METAL WORK 1 & 2	4	450	900	4,000	-3100
OFFICE ADMINISTRATION	3	1,500	3000	4,200	-1200
PLUMBING LEVEL 2 CRAFT	2	8,000	16,000	17,000	-1000
SHORTHAND DICTIONARY BY PITMAN	3	1,500	4,500	4,500	-
COMMUNICATION SKILLS	3	1,200	3,600	3,600	-
COMPUTERIZED DOCUMENT PROCESSING	3	1,500	4,500	4,500	-

BASIC FABRICATION & WELDING ENGINEERING BY FJM SMITH	4	800	1,600	4,800	-3,200
WORKSHOP PROCESS FOR MECHANICAL ENGINEERING TECHNICIANS	2	2,100	4,200	4,200	-
WORKSHOP TECHNOLOGY VOLUME 1 & 2 BY BAWA	1	3,600	3,600	3,600	-
PRACTICAL METALLURGY BT E.NEELY	1	3,150	3,150	3,150	-
ENGINEERING METALLURGY PART 1 BY RAYMOND A HIGGINS	1	2,100	2,100	2,500	-400
LONGMAN INDUSTRIAL ARTS BOOK IV	2	950	1,900	2,400	-500
WELDING & WELDING TECHNOLOGY BY RICHARD	2	3,400	6,800	6,800	-
WORKSHOP TECHNOLOGY BOOK 2 BY J.CHAPMAN	2	200	200	3,000	-2,800
WORKSHOP TECHNOLOGY BY PRITCHARD	1	1,900	1,900	2,000	-100
<b>TOTAL</b>	<b>113</b>		<b>431,950</b>	<b>429,246</b>	<b>2,704</b>

#### **BISHOP WAMBARI GIRLS SECONDARY SCHOOL ITEMS PURCHASED**

<b>ITEM</b>	<b>UNITS</b>	<b>UNIT COST KES</b>	<b>ESTIMATED COST KES</b>	<b>ACTUAL COST KES</b>	<b>VARIANCE KES</b>
1.Weighing balance	2	17,000	34,000	34,000	-
2.Portable Bunsen Burner	20	2,500	50,000	50,000	-
3.Plumbing	1	100,000	100,000	104,115	(4,115)
4.Projector	1	60,000	60,000	59,000	1,000
5.Potometer	10	510	5,100	7,500	(2,400)
6.Clinostat	1	6,900	6,900	4,000	2,900
7.Pipettes	20	120	2,400	2,400	-
8.Burettes	10	3,500	35,000	35,000	-
9.Ticker timer complete	4	2,550	10,200	7,200	3,000
10.Skeleton Plastic	1	13,000	13,000	14,000	(1,000)
11.Stop Watch	20	500	10,000	10,000	-
12.Heart Plastic	20	500	10,000	6,500	3,500
13.Biology charts	10	500	5,000	3,500	1,500
14.Periscope	1	8,400	8,400	8,000	400
15.White boards	6	30,000	180,000	180,000	-
<b>Total</b>		-	<b>530,000</b>	<b>525,215</b>	<b>4,785</b>



## Sunshine street boys' rehabilitation centre

NEW CURRICULUM BOOKS FOR GRADES 1 TO 6 (S1)			
BOOK TITLE	QUANTITY	@KES	AMOUNT KES
SpotLight Eng G6	15	522	7830
Everyday H/science G6	15	551	8265
Vision Phy/ Health G6	15	516	7740
SpotLight Science G6	15	498	7470
Longhorn CRE G6	15	460	6900
Beginning Music	15	435	6525
SpotLight Agri G6	15	522	7830
Kiswa Milisi G6	15	560	8400
Mentor Maths G6	15	600	9000
Assessment G6	15	350	5250
SpotLight Eng G5	7	522	3654
Everyday H/science G5	7	551	3857
Spotlight Science G5	7	498	3486
Vision Phy/ Health G6	7	516	3612
Longhorn CRE G5	7	460	3220
Beginning Music G5	7	435	3045
SpotLight Agri G5	7	522	3654
kiswa Milisi G5	7	560	3920
Mentor Maths G5	7	600	4200
Assessment G5	7	350	2450
SpotLight Eng G4	5	522	2610
Everyday H/science G4	5	551	2755
Vision Phy/Health G4	5	516	2580
SpotLight Sci G4	5	522	2610
Longhorn CRE G4	5	460	2300
Beginning Music G4	5	435	2175
Spotlight Agri G4	5	522	2610
Kiswa Milisi G4	5	560	2800
Mentor Maths G4	5	600	3000
Assessment G4	5	350	1750
SpotLight English G3	5	522	2610
Everyday H/science G3	5	551	2755
Vision Phy/Health G3	5	516	2580
SpotLight Science G3	5	522	2610
longhorn CRE G3	5	460	2300
Beginning Music G3	5	435	2175
Spotlight Agri G3	5	522	2610
Kiswa Milisi G3	5	560	2800
Mentor maths G3	5	600	3000
Assessment G3	5	350	1750
Spotlight English G2	3	522	1566
Everyday H/Science G2	3	551	1653
Vision Phy/Health G2	3	516	1548

Spotlight Science G2	3	522	1566
Longhorn CRE G2	3	460	1380
Beginning Music G2	3	435	1305
SpotLight Agri G2	3	522	1566
Kiswa Milisi G2	3	560	1680
Mentor Maths G2	3	600	1800
Assessment G2	3	350	1050
Spotlight Eng G1	3	522	1566
Everyday H/Science G1	3	551	1653
Vision Phy/Health G1	3	516	1548
Spotlight Science G1	3	522	1566
Longhorn CRE G1	3	460	1380
Beginning Music G1	3	435	1305
SpotLight Agri G1	3	522	1566
Kiswa Milisi G1	3	560	1680
Mentor Maths G1	3	600	1800
Assessment G1	3	350	1050
<b>Grand Total</b>	<b>380</b>		<b>190,916</b>