The Turing Trust

The Turing Trust Annual Report 2015

The Turing Trust aims to promote education through the use of information technology to bring essential learning resources to rural communities in sub-Saharan Africa.

The Turing Trust was set up in 2009 by Alan Turing's closest family, including his Great nephew James Turing, in honour of his remarkable legacy. Today we're keeping Alan's name alive by providing quality technology and IT training to schools in sub-Saharan Africa. Our operations in the UK help provide training & volunteering opportunities, and promote the transition towards a circular economy through the reuse of electrical and educational equipment.

Our work currently improves education in over 100 community based schools throughout rural areas of Ghana, Kenya and Malawi. To date we have sent over 1900 computers to Ghana and Malawi through a computer reuse scheme in the UK and have run training schemes for over 500 students and teachers.

The Turing Trust

Structure

Trustees:	Advisory board:
Dermot Turing (Founder)	John Turing
Andrew Clark	Philip McAllister
James Turing (Founder)	Brett Simpson
Conor Scott	Omaima Hatem
	Jonathan Burns

The Turing Trust is overseen by the above board of 4 trustees and 4 advisors who met 4 times in 2015. All decisions are made by absolute majority. In the event of a deadlock, founder trustees are granted an additional vote.

New trustees appointed in 2015 include Andrew Clarke, our long-standing Edinburgh facility manager who replaced Jonathan Burns.

The advisory board was set up in 2015 in place of a larger trustee board to broaden the knowledge and skills base behind the charity. Collectively, this team has extensive experience both directly in Africa and in the charity sector as a whole.

The term of office of these members shall last three years, apart from Conor Scott who will be replaced in 2016 as his term ends. At the end of three years, the director can decide to renew the term or to appoint another in his/her place. Trustees can resign at any time provided that one month's notice is provided. If the trustee is felt to be improperly performing his/her duties, a vote of no-confidence can be brought by either the trustees. The minimum number of trustees shall be three.

The Turing Trust have 24 volunteers working in our Edinburgh facility, all trained in computer wiping. We have 10 further volunteers working ad hoc throughout the country, helping with fundraising and administration.

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"We feel so lucky to have developed a number of mutually beneficial relationships in 2015 that continue to bring us bulk donations, fundraising and, in late October, a new premises."

Andrew Clark, Trustee

2015 Aims in review

The Turing Trust had three main aims for 2015. To bring at least 1,000 more computers to Africa per year; to ensure sustainability in what we do and the charity's life-span at minimal cost, and to impact education effectively in rural African communities.

2015 facts and figures

Computers:
1105 computers sent to Africa

Sponsorship:
30 students sponsored in Ghana

School development (Ghana):
Afoako ICCES computer lab completed
Partial construction of Diabene ICCES
Refurbishment of our workshop in Kumasi

IT training:
6 advanced IT trainings for 191 students

Corporate Sponsorship:
New partnerships with BIPB, Expert Agent, The University of Edinburgh and Reusing IT

Monitoring and evaluation:
A full report from 42 students and 21 teachers

"Quite simply, the Trust changed and continues to change the trajectory of many students' futures. I am incredibly proud to be associated with the team and hope to work with them for many years to come"

Katie Richardson, BIPB (Corporate Partner)

<u>Achievements and Performance Overview</u>

Computers donated in 2015 increased by 150% from 2014, from 441 desktops and laptops in 2014 to 1105 donated by the end of 2015. These volumes meant that in our first shipment of the year in March we sent our first 20ft shipping container to Ghana. In October we sent 2 20ft containers. This change in shipping strategy has allowed us to send larger volumes at a minimised cost. With shipping as our biggest expenditure this is incredibly important to the future growth and financial sustainability of the charity.

Our biggest success this year has been from focusing on our long-term goals by growing our relationships with other organisations and corporates enabling a more stable funding base versus grant funds and has improved operations across the board. An increase in both income and skilled support has meant that our projects have been able to increase in scope and reach, thus helping more of our beneficiaries in country in a significant way.

At the end of 2014 The Turing Trust received a windfall of funds from the success of the film The Imitation Game and associated fundraisers, an unexpected £16,000. The board of trustees decided that this money would be best put towards funding the trial of a staffing project. We hoped to create a financially stable base in the organisation through this trial, without relying on transient volunteers. With more focused and long-term commitment from members of our team, we were able to push forward with new revenue streams and scale our operations to ultimately reach more students.

2015 also marked the completion of our very first computer lab construction project at Afoako ICCES, our initial partner school. While we have supported various building projects in the past, this was one we commissioned from the outset. Construction was

undertaken by a team of students and overseen by their teachers, creating a fantastic learning experience for all involved. The project has culminated in a beautiful, fit-for-purpose IT facility that will be enjoyed by hundreds of students for years to come.

2015 Objectives in review

Key: *Objectives set in 2014*

Actions taken in 2015

Streamline our donor communications to ensure all donors have the chance to follow through with their donations. We will create a database to help us achieve this.

To streamline our individual donor communications our corporate partner BIPB helped us to create the Turing Track database system to automate all equipment donations online. This system has thus far been very effective in monitoring and tracking equipment donations making the process more simple for both donors and UK based volunteers. It will continue to be tested and tweaked through early 2016.

Re-organise our volunteer operations in order to wipe and process more computers per week.

Partnering with a number of local volunteering agencies and charities in Edinburgh this year has connected us to more passionate volunteers than ever before and in the latter part of the year we have seen a significant increase in volunteer time. Our movement to a new facility in Edinburgh city centre, supported by the University of Edinburgh, has meant that volunteers are able to devote their time more easily and enjoy a pleasant working environment.

Reach out to more businesses who renew their IT equipment regularly.

Increasing numbers of larger, corporate donations helped to fuel a significant rise in computer numbers in 2015. Our close relationship with the Edinburgh based organisation Reusing IT has meant that the organisation continue to be our biggest contributor. Donations continue to come through our corporate sponsors BIPB who take in equipment on our behalf.

Ensure our marketing for potential donors is effective by utilising our ad-words grant.

A website rebrand gave rise for us to overhaul our adwords account but also caused a drop in traffic for a portion of the year. By year-end marketing was back to normal and continues to bring in many donations of PCs.

Begin partnerships with government and privately funded Ghanaian schools who will be charged subsidised prices for our computers.

The summer trip to Ghana initiated talks with a number of organisations regarding this important objective. The idea of the maintenance contract combined with a lease-to-own programme was initiated. Settling these discussions will be a major focus of 2016 to ensure Ghanaian operations are a social enterprise.

Acquire permanent premises to act as our UK hub for computer deliveries and processing operations.

Our growing connection to the University of Edinburgh culminated in finally achieving this goal in the autumn of 2015. Our new premises is now fit for purpose with internet, improved location and a pleasant, more focused environment for our volunteers to continue working on their skills.

Research and create our own specialised tests, administered in Ghana, to evaluate quantitative and qualitative results that may be directly impacted by our work.

In the summer of 2015 project managers Jade House and Olivier De Paolis conducted an in depth monitoring and evaluation project in Ghana. Seven schools were visited and observed with 42 students and 21 teachers taking part in one-to-one interviews alongside paper questionnaires. The following is a subset of the findings.

The test revealed that computer access is one of the biggest reasons students struggle, with difficulties including not having enough computers in their school and not having enough time to use them. This ties in with the fact that while the majority of students use computers twice a week, more than ⅔ of students would like to use them everyday.

Students also stated that a limiting factor was not being taught enough of the basics, and 19% stated that 'terminologies' and 'kinds of software' were particularly confusing to them. Students were also asked what jobs they aspired to have, and interestingly several students expressed a desire for computer based careers.
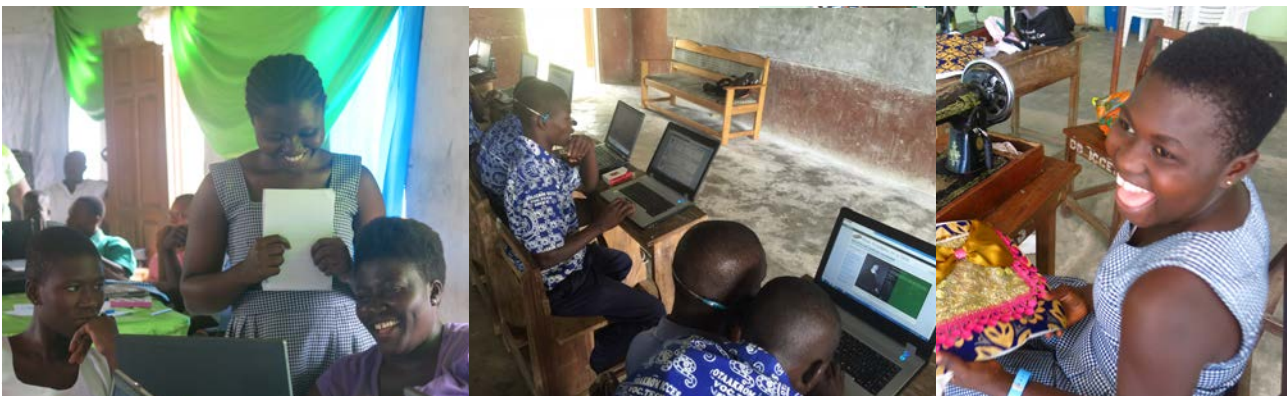
These findings reinforce the Turing Trust's focus on computer hardware donations and combined improved trainings going forward in 2016.

Customise our learning resources further and ensure they are fully accessible to all students on our computers.

2015 was the year in which we fully established the RACHEL system and our own e-learning software on computers and in schools in Africa. Corporate Partner BIPB visited Ghana for a week's IT training with 70 students and teachers, where we introduced everything in depth. The response was extremely positive and when students showcased the research skills learnt with powerpoint presentations, teachers and trainers alike were astounded by the results.

Begin teacher training twice per year.

Coming from each region in Ghana, the BIPB training was the biggest and widest spread event we have conducted and the success of it continues to reach further corners of the country through repeat trainings conducted by teachers. A group of teachers close to Kumasi conducted 2 further RACHEL specific formal training events with over 100 students and teachers.

Financial Review

Our in-kind donations (computer equipment donated) valued in at £63,863 and our monetary funds totalled £37,406 including all restricted and unrestricted funds.

At the end of the year the Turing Trust held no liabilities.

Inflow	Amount	Notes on 2015 Inflow	2014
University of Edinburgh	£ 9,778.00	Grants for educational workshops in Africa	£ 2,999.66
Corporate Sponsorship	£ 6,256.18	BIPB and Expert Agent donations	£ 0.00
Sales	£ 5,613.62	The Imitation Game signed poster and book sales, plus eBay sales	£ 12,020.94
Grants	£ 5,113.35	British High Commission funding	£ 4,750.00
Fundraising	£ 5,046.75	Including the Global Giving online campaign and Edinburgh student volunteer fundraisers	£ 1,953.00
Individual donations	£ 4,313.25	Student sponsorship and one-off individual donations	£ 6,382.69
Gift Aid claims 2014	£ 941.87		£ 2,240.78
Easyfundraising	£ 343.58	This platform was established on University computers in summer 2015	£ 304.52
Total for year	**£ 37,406.60**		**£ 30,651.59**

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Outflow	Amount	Notes	2014
UK Staff	£ 6,630.00		-
Shipping	£ 8,240.92	3 20ft containers, 1105 computers	£ 6,640.27
Computer Repairs in Edinburgh	£ 2,563.58		£ 754.30
Computer Repairs in Ghana	£ 351.93		£ 2,277.16
Admin	£ 374.48	Costs of internet connections for Ghana workshop and printing	£ 148.99
Fundraising	£ 471.42	Postage of eBay sales	-
Educational Software Development	£ 8845.90	Including Raspberry Pi project	-
New Projects	£ 7,786.19	Development of Kenyan and Malawian projects with the University of Edinburgh, Rebranding and Turing Track	£ 7,088.37
Workshops	£ 5,100.30		£ 1,100.43
Computer Labs	£ 3,687.25		£ 890.06
Student Sponsorship	£ 1,203.46		£ 2,054.09
Monitoring & Evaluation	£ 3,036.10		-
Total	**£ 48,291.53**		**£ 20,953.67**

<u>2016 aims and objectives</u>

Aim 1- Bring at least 1,500 more computers to Africa.

Objectives-

- Ensure that all new donations are processed using the Turing Track system and ensure its efficiency in increasing donations with email and data analytics.

- Send our first large shipment of IT equipment to our partners in Malawi.

- Support the increase of in-country revenue streams for partner organisations in Africa to ensure all supported partners are well functioning and financially sustainable.

- Continue our positive relationship with the British High Commission in Ghana to ensure smooth shipping transitions for the foreseeable future.

Aim 2- Develop our partner relationships with a particular focus on Corporate Social Responsibility Partners

Objectives-

- Establish a clear call to action online for new CSR partners.

- Keep current partnerships ongoing through effective communication and mutual benefits.

- Begin at least 2 new partnerships, at least one of which is financial.

Aim 3- Establish The Turing Trust officially in Kenya and Malawi, based on our successes in Ghana.

Objectives-

· Send our first large shipment of IT equipment to our partners in Malawi.

· Build the first Turing Trust SolarBerry in Kenya

· Introduce our e-learning system in both Kenya and Malawi through focused IT teacher training.