

# TECH*Ai*DE

## ANNUAL IMPACT REPORT 2021/22

### Table of Contents

Overview	2
Impact Indicators	5
Impact on School Enrollment	6
New Life Primary School	7
In My Father's House	8
BASCO	8
Blessed Child	9
Asokore SDA Demonstration Schools	9
YM Lab (The Gambia)	10
YM Lab 11	10
YM Lab 12	11

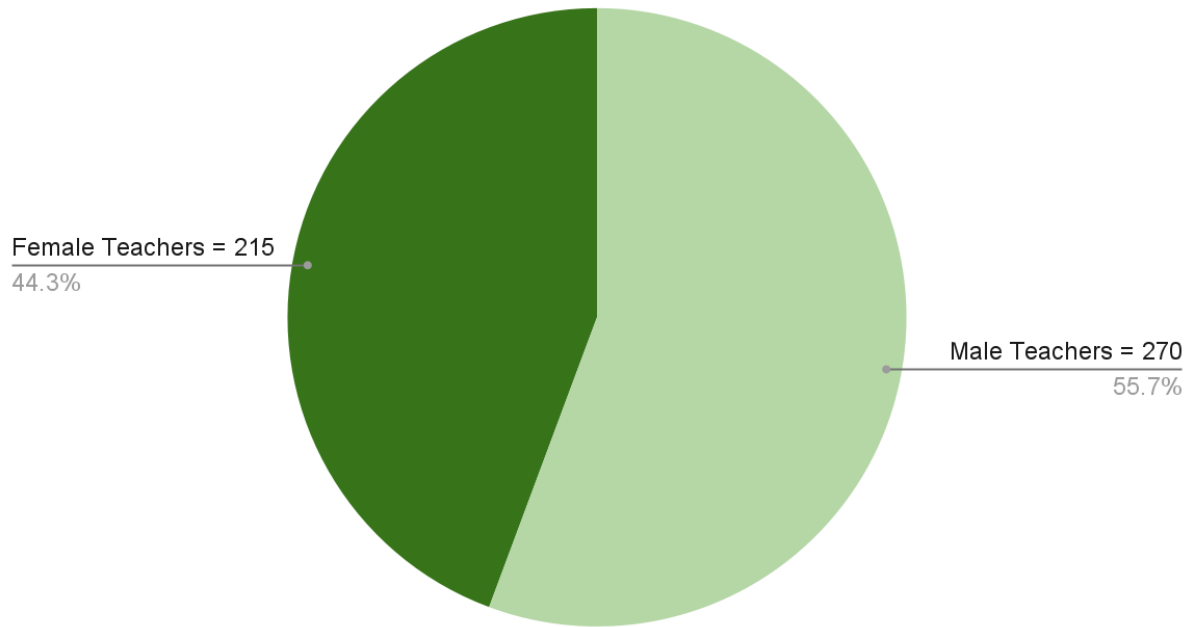
## Overview

Our Annual Impact Report reveals phenomenal growth in the reach and impact of our products and services to improve education across Ghana and beyond. This report – focuses on the year 2021/2022 and shows how we have engaged with more teachers, students and leaders in the education space in Ghana than ever before and improved outcomes and experiences for learners and teachers. We are continually building innovation and evidence into our programme delivery, and services to consolidate our position as a thought-leading organization for imparting education.

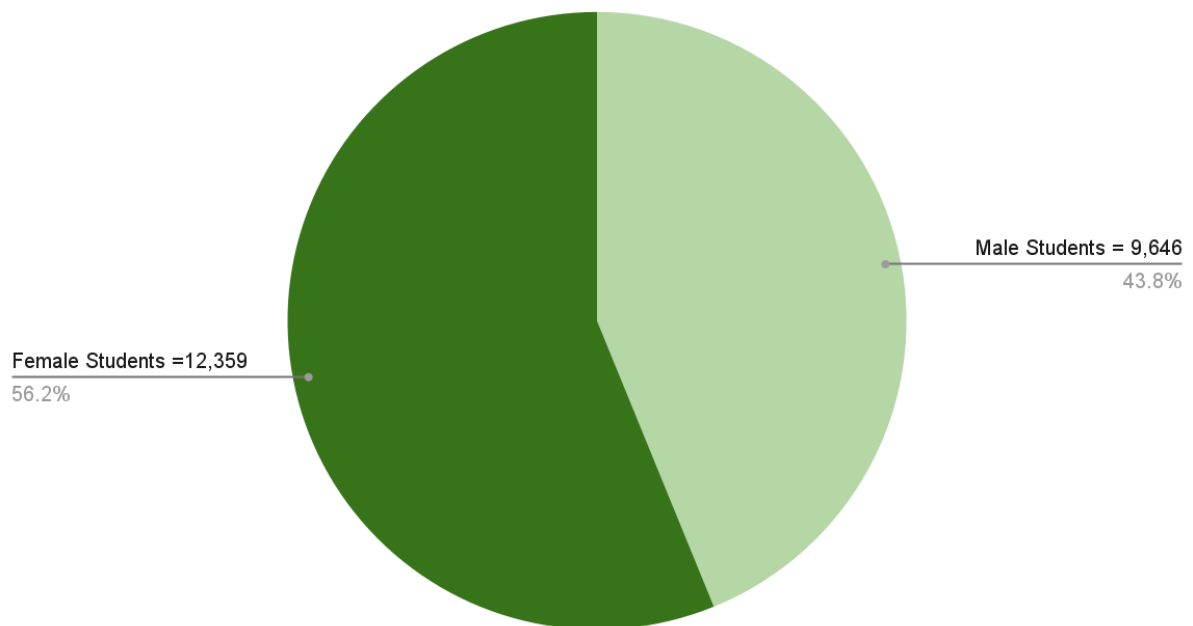
Our work impacted **22,005** learners in Ghana and The Gambia, a rise of **53%** from the previous year. Almost **80%** of the teachers and learners we reach in Ghana are in the rural zones of Ghana, which aligns with our purpose of providing technology solutions for development, anytime anywhere.

We have brought positive change to more than double the number of schools and educational settings than the previous year by reaching **485** school teachers and **59** who are key 'agents of change' in education settings – a rise of **31%** we have supported **12,359** girls to stay in education and to feel empowered about their own well-being, learning and career plans. Based on the demographics of the areas TECHAiDE worked in during the year of review it reveals that out of the **8** project locations, 6 are located in rural areas, Ansahpetu-Central Region, Offinso-Ashanti Region, Abor-Volta Region, Trotor-Eastern Region, Jouaboso-Western North and Nkrankwanta-Bono Region while Asokore- Eastern- Region and Banjul in The Gambia are in urban.

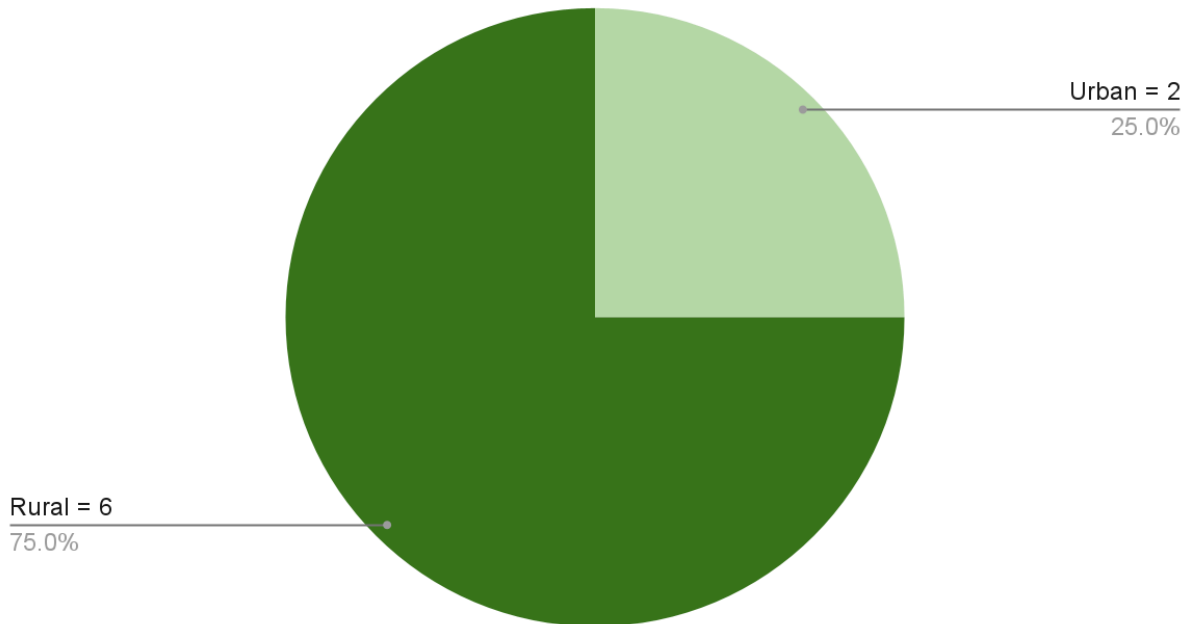
### Total Number of Teachers Trained = 485



### Number of Students = 22,005



## Project Locations = 8



## Total number of products and services for the year

Product	Number of Products/units sold?
EDULab	8
ASANKA	21
Makerspace	3
Training	8
GeekSkwad	10
<b>Total</b>	<b>49</b>

## Impact Indicators

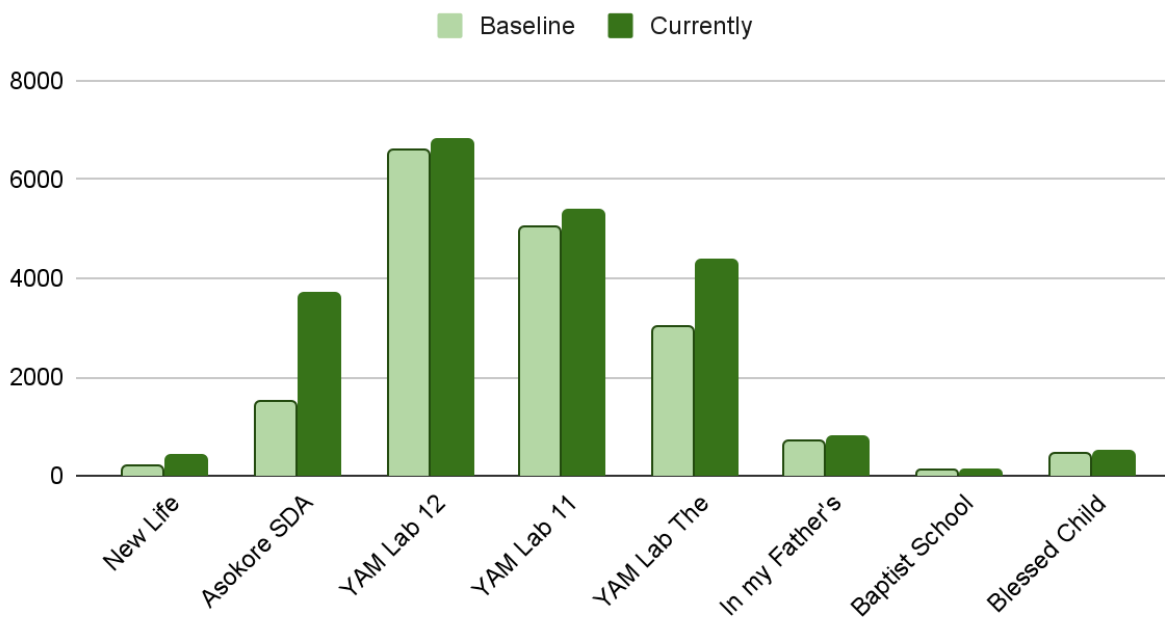
Educational Indicator	Data	2021	2022
Average Student Test Score (PI9024) BECE (1 Highest - 9 lower)	<a href="#">BECE Test / WASSCE Test</a> scores are gathered pre-installation and then post-installation of the equipment	Working on gathering results from GES	Working on gathering results from GES
School Enrolment: Female (PI1081)	January Admission numbers are requested from Headmaster	10,005	12,005
School Enrolment: Total (PI2389)	January Admission numbers are requested from Headmaster	14,568	22,005
Student Tests Pass Rate (PI8372) (# Pass/Total Enrollment)	We use the already gathered BECE/WASSE pre-post numbers to calculate this	14%	10%
Educational Resource to Student Ratio (PI4279) (# Students : # Seats)	We take the # of EDULab stations and divide by the School Enrollment total for January	7.5:1	8.2:1
Average Teaching Experience (PI7871) (# Yrs Experience/# of Teachers)	We have them tell us when they sign in for TECHAiDE training	Did not gather teacher experience this year	1.0 yrs
School Enrolment: Urban (PI8069)	We define location using <a href="#">statista website</a>	6,111	8,024
School Enrolment: Rural (PI6569)	We define location using <a href="#">statista website</a>	10,055	13,981
School Enrolment: Peri-urban (PI3337)	We define location using <a href="#">statista website</a>	4,000	0

For every installation or service TECHAiDE, takes baseline data. This becomes a reference point for which to measure the Impact of TECHAiDE products and services on education.

## Impact on School Enrollment

School	Location	Region	Baseline Enrollment	Currently	Variance
New Life Children's Orphanage	Ansapetu	Central	198	391	36
Asokore SDA Demonstration Primary and JHS Schools	Asokore	Eastern	1,501	3,675	80
Yamoransa Model Lab 12 Centre	Nkrankwanta	Bono	6,601	6,809	208
Yamoransa Model Lab 11 Centre	Juaboso	Western-North	5,021	5,349	328
Yamoransa Model Lab-The Gambia	The Gambia	Banjul	3,012	4,349	1,337
In my Father's House	Akatsi-Abor	Volta	707	800	93
Baptist School Complex (BASCO)	Suhum	Eastern	96	126	30
Blessed Child orphanage (Offinso)	Offinso	Ashanti	444	506	62
<b>Total</b>			<b>14,568</b>	<b>22,005</b>	<b>7,437</b>

### Impact on School Enrollment



From the above data, we can assume that the use of a TECHAiDE product or service drives an increase in enrollment for schools.

## 1. Average Student Test Score

Average test score (as a percentage of a perfect score) earned by students by using a product or service of TECHAiDE i.e the evaluation of Basic Education Certificate Examination (BECE) and West African Senior School Certificate Examination (WASSCE) of students who have used TECHAiDE product and services. At the time of writing this report, the result was not yet released. This educational indicator will be updated when the results for BECE and WASSCE are released respectfully.

In the year of review, TECHAiDE installed 7 EDULabs, ultra-modern educational labs, in Ghana and The Gambia. TECHAiDE in collaboration with Students Bridging the Information Gap (SBIG), Inc an organization that focuses on providing computers for learning labs, age-appropriate reading material and other related educational assistance built the following labs for some orphanages in Ghana.

## New Life Primary School

The students of the New Life Children’s Orphanage were empowered to form and develop their digital skills, especially in Science, Technology, Engineering, and Mathematics (STEM). This was after TECHAiDE installed a 25-seater EDULab for the home on behalf of SBIG the New Life Primary School in Ansapetu-Cape Coast Educational Lab served New Life Primary School, St Peter's Anglican Junior High School and Efutu Basic School. Currently, the lab benefits are as below:

Teachers Trained		Students	
Men	Women	Boys	Girls
15	23	180	211
<b>Total 38</b>		<b>Total 391</b>	

## In My Father's House

In My Father's House Children's Orphanage is located in Abor a rural area in the Volta Region. TECHAiDE installed an EDULab that serves teachers and students in the orphanage. below is the breakdown of the impact the lab had on teachers in terms of training and improving students' learning outcomes.

Teachers Trained		Students	
Men	Women	Boys	Girls
18	11	328	472
<b>Total 29</b>		<b>Total 800</b>	

## BASCO

TECHAiDE again completed the installation of a 7-seater EDULab for the Baptist School Complex at Suhum- Trotor in the Eastern Region. This project was sponsored by SBIG. BASCO is located in a rural area at Suhum-Trotor a hard-to-reach zone in the Eastern Region.

Teachers Trained		Students	
Men	Women	Boys	Girls
7	5	58	68
<b>Total 12</b>		<b>Total 126</b>	



## Blessed Child

Courtesy SBIG, the students of Blessed Child Orphanage in Offinso were equipped with a 20-seater EDULab Premium to help improve the digital skills of both teachers and students. The EDULab currently serves

Teachers Trained		Students	
Men	Women	Boys	Girls
7	5	128	378
<b>Total 12</b>		<b>Total 506</b>	

## Asokore SDA Demonstration Schools

CalBank as part of their Corporate Social Responsibility (CSR) in collaboration with TECHAiDE installed a 40-seater EDULab for the SDA College Demonstration Basic Schools in Asokore, Korofidua in the Eastern Region. The facility is expected to impact over 1,500 students and 29 teachers of the Asokore cluster of schools by streamlining their STEM education as well as building their digital skill capacity but ended up serving other schools in the Municipality namely, Effiduase Presby School, Akwadum M/A School, Oyoko Presby School, Oyoko R/C School, Effiduase R/C School, Mpaem M/A Basic School, Oyoko Methodist JHS and Jumapo Anglican School extending teachers who benefited from training to 53 and students who benefited to 5,762.

Teachers Trained		Students	
Men	Women	Boys	Girls
35	18	1526	2149
<b>Total 53</b>		<b>Total 3,675</b>	

## YM Lab (The Gambia)

Data is the new oil. With enough data, we can make better decisions to improve people’s daily lives which is the primary goal of building smarter devices for a smarter community. In The Gambia, TECHAiDE in partnership with Helping Africa Foundation (HAF) and JokkoLabs installed a Yamoransa Model Laboratory situated at St. Joseph’s All-Girls Senior Secondary School to meet the ICT needs of learners in the City of Banjul and also promote girl child education and girls in ICT. The ICT Centre is a 50-seater EDULab with an adjacent Makerspace furnished with robotics equipment (i.e. Arduino, VR, 3D Printing, and EV3 LEGO). The project which was funded by the HAF will serve a number of schools within the City of Banjul (St Augustine’s, Gambia SSS, Garba Jahumpa, St Joseph’s) providing both teachers and learners with the best opportunities for practical education experience to improve their standard of learning.

Teachers Trained		Students	
Men	Women	Boys	Girls
28	31	2016	2333
<b>Total 59</b>		<b>Total 4,349</b>	

## YM Lab 11

In partnership with HAF, the Yamoransa Model Lab 11 facility located at Juaboso in the Western North Region was installed and is well equipped with a 58-seater EDULab to provide free ICT digital skills and STEM education to address the curriculum requirements of Primary through Junior High School levels. This facility serves 15 schools in the Juaboso community.

Teachers Trained		Students	
Men	Women	Boys	Girls
78	61	2,355	2,994
<b>Total 139</b>		<b>Total 5,349</b>	

## YM Lab 12

Under the leadership of Dr Deborah Rose of HAF an EDULab facility for the Nkrankwanta Community in the Bono Region as part of their efforts to promote IT education in Ghana was dedicated. The lab is the 12th of the Yamoransa Model Labs built across the regions of Ghana. The facility is a 75-seater computer, a Makerspace for Robotics, 3D Design & Printing, Virtual Reality, and Augmented Reality, and a Conference Room for meetings, training and workshops. This facility has benefitted 20 schools in the Nkrankwanta community.

Teachers Trained		Students	
Men	Women	Boys	Girls
80	61	3,055	3,754
<b>Total 141</b>		<b>Total 6,809</b>	