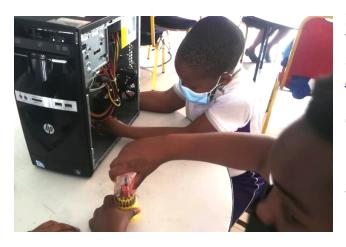# The TDA Tech Series® click here
Presents
"Rebuild a Desktop Programme"

What Is "The TDA Tech Series® "?

The TDA Tech Series® is our platform for delivering technical and technological skills to our students through innovative partnerships. **#MultiplePathways**

Announcing Rebuild a Desktop Programme!
(NOW OPEN TO TDA AND NON-TDA STUDENTS)!

In this latest installment of the TDA Tech Series®, we will be offering 20 Standard 4 and Standard 5 *TDA AND NON-TDA* students the opportunity to learn how to rebuild a desktop computer! Our students will learn:

1. The parts of a computer,
2. How to take apart and put together a computer,
3. How to fix a computer,
4. Basic computer literacy on the computer they will have just rebuilt, and
5. Entrepreneurship skills through ordering of new computer pieces.

IMPORTANT COMMUNITY BUILDING NOTE: THE DOW ACADEMY IS CONTINUING TO REACH OUT TO OUR NETWORKS TO SECURE MORE USED/OLD/RETIRED/DE-COMMISSIONED DESKTOPS AND LAPTOPS.

PLEASE HELP US SECURE MORE USED DESKTOPS AND LAPTOPS SO MORE STUDENTS CAN PARTICIPATE!#COMMUNITY"

Courage. Creativity. Community.
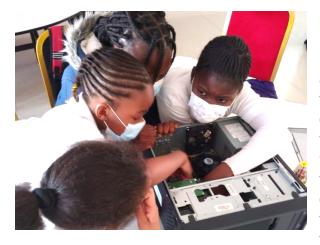### www.thedowacademy.org

The course will be led by our TDA Tech Series® Coordinator, Mr. Eddy Mihigo. To learn more about Mr. Mihigo's professional summary click [here](); to learn more about the TDA Fellowship programme click [here]().

Why Introduce Rebuild a Desktop Computer @TDA?

Computers are now used in all of our daily lives. By the time our students enter upper levels of education and then the workforce, computers will be the primary way they will interact with their work and their colleagues. **@TDA** we want to demystify the "black box" that many of us use but know so little about. In the same way we use other tools, we wish for our students to learn that computers can be a tool to improve your life, and indeed a tool that they themselves can improve. It is therefore important for our learners to understand, work, design and influence the technology around them. _In 2022, this vision is being extended to Non-TDA students within our community and beyond_. **#DigitalFluency@TDA**

Secondly, we wish for our students to internalise the understanding that just because a computer looks broken or appears old, it doesn't mean it should be thrown away. As we have all learned, looks can be deceiving. Students should always first use their **#Creativity** when faced with troubleshooting a computer. Most of the time if a computer does not work, it can be fixed. We want to show students that through creative problem solving, they are able to fix and even improve their own technology, rather than looking to procure a new piece of technology as the only solution.

As always, Covid-19 prevention guidelines will be strictly followed.

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How Will it Work?

The programme is open to a total of 20 **TDA and Non-TDA students** from Standard 4 and Standard 5. The programme will run three times a week, every Monday, Tuesday and Thursday from 14:00 to 15:30.

Students will be working on taking apart, understanding the hardware, fixing and rebuilding desktops. The Dow Academy set aside desktops, received donations and purchased hardware specifically for this programme. The programme will introduce students to a variety of computer brands, so students will learn the difference and similarities between all types of computers. Further, students will start working with older desktops and through the course move on to newer desktops. We want students to learn and understand where technology started, and take them on a journey through the evolution of technology to where we are today. They will gain an understanding that just because a certain piece of hardware seems outdated, it is not obsolete, but it can be upgraded to be used in today's world. This can save the owner of the computer both time and money.

Students will learn about the different types of computer pieces, like a keyboard, monitor, mouse, battery, hard drive, RAM and motherboard. They will learn what all these pieces do in a computer, and how they work together to make the computer work. Learners will take all these pieces apart to study them, then rebuild the computer under the guidance of our instructor. Elements of procurement will also be taught, as the students will have to make requisitions for required parts, complete with detailed descriptions of what they may require. This will be a very hands-on course.

After the students successfully rebuild their machines, The Dow Academy has designed a basic computer literacy course to prepare each student to learn even more in this programme. This additional basic literacy course will ensure that students of varying computer literacy backgrounds are able to use their new computer for school work and personal use.

At the end of this programme, **the TDA and Non-TDA Standard 4 and Standard 5 students** will obtain **a strong foundation in computer literacy**, **an understanding of how computers operate** and **new insight into a skill they can pursue as a career.**

How Do I Apply?

<u>Interested TDA and Non-TDA Standard 4 and Standard 5 students are eligible to apply.</u>

TDA STUDENTS	NON-TDA STUDENTS
Email a one page typed document to tdatechseries@thedowacademy.org **OR**	Email a one page typed document to tdatechseries@thedowacademy.org **OR**
Submit a handwritten letter to your class teacher. The application should describe why the student is interested in the programme, and how they would use the skills they learn to help their community.	Submit a handwritten letter to the TDA Primary School Campus Reception, with **"TDA REBUILD A DESKTOP"** written at the top of the letter. The application should describe why the student is interested in the programme, and how they would use the skills they learn to help their community.
TDA PARENTS - Please click **here** to confirm consent for your child to participate.	**NON-TDA PARENTS** - Please click **here** to confirm consent for your child to participate.

*20 students will then be selected based on the quality of their applications **AND** the parents' completion of the parent consent form.*

The deadline for the application is **20 January 2022** and will be strictly enforced. For the selected students, there is a participation fee that will be due by **26 January 2022**.

When Does it Start and How Much Does it Cost?

Computer Programming Lessons and Basic Computer Literacy Lessons	1 February 2022 - 7 April 2022 14:00 to 15:30 Mondays, Tuesdays and Thursdays
Venue	The Dow Academy Primary School Campus
Cost	P1,000 per student <u>This is a one-time fee for the whole term.</u>

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