

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!

In this latest installment of the TDA Tech Series ®, we will be offering 15 Secondary School 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 a computer,
3. how to fix and rebuild 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 DESKTOPS AND LAPTOPS.

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

Courage. Creativity. Community.
www.thedowacademy.org

The course will be led by TDA Fellow, 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 our daily life. 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. **#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.

How Will it Work?

The programme is open to 15 students from The Dow Academy Secondary School, regardless of age or grade level. 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

Courage. Creativity. Community.

www.thedowacademy.org

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, our Secondary School 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?

Interested students at The Dow Academy Secondary School are eligible to apply. Students should email a one page typed document to info@thedowacademy.org, or submit a handwritten letter to their 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. Parents should please click [here](#) to confirm consent for your child to participate.

15 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 **26 January 2021** and will be strictly enforced.

When Does it Start and How Much Does it Cost?

Rebuild a Desktop Programme	2 February 2021 - 2 April 2021 14:00 to 15:30 Mondays, Tuesdays and Thursdays
Venue	The Dow Academy Secondary School Campus
Cost	P1,000 per student*

*The cost per student covers hardware and other costs required to deliver the lesson for each student. TDA is **not** charging for any donated/recycled technology received.