

The TDA Tech Series ® [click here](#)

Presents

“Rebuild a Computer 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.



Announcing the Return of the Rebuild a Laptop Programme!

Through a generous donation from our community, The Dow Academy has received laptops for our students to use to learn more about how computers work.

In this latest installment of the TDA Tech Series®, we will be offering 15 Standard 7 students the opportunity to learn how to rebuild their own laptop computer! Our students will learn:

1. the parts of a laptop computer,
2. how to take apart a laptop computer,
3. how to troubleshoot, fix and reassemble a laptop computer, and
4. computer literacy on rebuilt laptop computers.

ONCE THE PROGRAMME FINISHES, EACH STUDENT IN THE PROGRAMME WILL KEEP THEIR COMPUTER AS THEIR OWN!

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IMPORTANT COMMUNITY BUILDING NOTE: THE DOW ACADEMY IS CONTINUING TO REACH OUT TO OUR NETWORKS TO SECURE MORE USED LAPTOPS. THE MORE USED LAPTOPS WE RECEIVE, THE MORE STUDENTS CAN PARTICIPATE.

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



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 Laptop @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. **#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

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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, please be assured that our Rebuild a Laptop programme will continue to follow strict Covid-19 prevention guidelines.

How Will it Work?

The programme will start after our Standard 7 students finish with their PSLE examinations.

The classes will be divided into 3 weekly sessions, each involving theory, practical and application. The programme will run from 1 November to 6 December. If The Dow Academy receives more donated laptops, TDA will extend this course to more Standard 7 students. Our hope is to extend the programme to our entire standard 7 class - wherever you are when you are reading this, please encourage the company you work for or someone you know to recycle their decommissioned laptops for the advancement of education (tdatechseries@thedowacademy.org).



Each student will have their own machine they will rebuild, and their own tools that they will work with. The students will be working with recycled laptop computers, along with new hardware pieces The Dow Academy purchased 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.

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

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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 rebuilt their machine, 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, our Standard 7 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 who are currently in Standard 7 are eligible to apply. Students should email a one page typed document to tdatechseries@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. The deadline for the application is **22 October 2021** and will be strictly enforced.

When Does it Start and How Much Does it Cost?

Rebuild a Laptop Programme	1 November 2021 - 6 December 2021 14:30 to 16:00 Mondays, Tuesdays and Wednesdays
Venue	The Dow Academy Primary School Campus
Cost	P1,500 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.