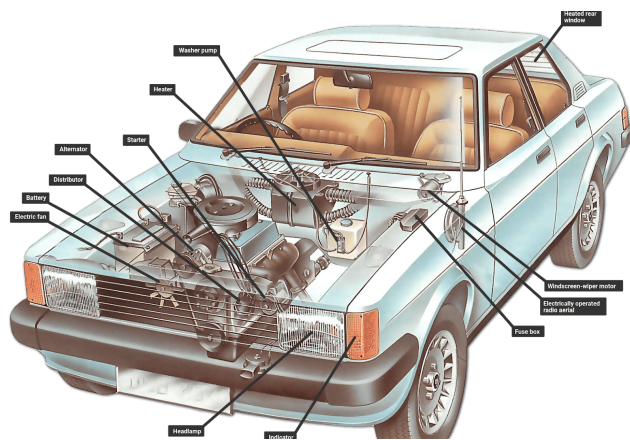


## The TDA Tech Series ® [click here](#) Presents

### "Car Mechanics & Electricity"

#### 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 the Car Mechanics & Electricity programme!

In this latest installment of the TDA Tech Series®, we will be offering 15 Secondary School students the opportunity to learn how to take a broken down car and bring it back to life! Our students will learn:

1. the parts and components of a car,
2. how to diagnose issues and fix them,
3. how electricity works within a vehicle engine,
4. entrepreneurial skills from working directly with a business owner, and
5. how these skills can translate into a fulfilling and successful career.

The course will be led by TDA Fellow, Ms. Masada T. Deconnick. Ms. Deconnick is the CEO of MTD's Auto Electrical, an auto electrical business, servicing Mochudi and surrounding areas. Her business has been operating for more than 8 years, during which she has worked on all types of vehicles, trucks and machines. She holds a National Certificate in Auto-Electrical from Botswana College of Engineering and Technology. She believes in empowering women and has been running an organization that donates toiletries to the less fortunate for over 10 years. To learn

**Courage. Creativity. Community.**  
[www.thedowacademy.org](http://www.thedowacademy.org)

more about Ms. Deconnick's journey in the auto mechanics industry, click [here](#); to listen to Ms. Deconnick's interview with Duma FM, click [here](#). To learn more about Ms. Deconnick's business click [here](#); to learn more about the TDA Fellowship programme click [here](#).

## Why Introduce Car Mechanics & Electricity @TDA?

In our daily lives, we rely heavily on vehicles to transport us to our jobs, to school or to complete important errands. As important as vehicles are in our lives, most of us do not have the basic knowledge or skills to diagnose or fix any issues that may arise. **@TDA** we continually strive to give our students the opportunity to learn skills and gain knowledge that can help improve their lives and the lives of those around them, whilst supporting their everyday learning and opening up new opportunities for jobs or businesses. **#MultiplePathways@TDA**



Further, we wish for our students to internalise the understanding that just because a vehicle looks broken or appears old, it doesn't mean that it doesn't have value. Students should always first use their **#Creativity** when faced with troubleshooting an issue. We want to show students that through creative problem solving, they are able to identify and fix an issue, be self reliant

and also engage in careers that have a positive effect on their community.

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

## How Will it Work?

The programme is open to a total of 15 students from the Secondary School Campus. The programme will run two times a week, every Tuesday and Thursday from 14:20 to 15:50.

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Under the guidance of Ms. Deconnick, the students will be working to assess and fix an old DAF Military truck (pictured left). The Dow Academy has acquired an old army truck specifically for this programme for our students' hands-on experience. The programme will introduce students to the theory and application of auto mechanics and electricity. Through this hands-on

programme, they will gain the understanding of how automotive vehicles work, how to identify issues and understanding of how to fix them.

Students will learn about the different types of engines, major components of an automotive machine, common issues that can arise and how to troubleshoot and fix them. Our students will have one class of theory and one class of practicals each week, allowing them to apply their knowledge as they work on fixing the donated army vehicle located on campus. In this interactive programme, our students will learn how to identify and procure parts that they need, how to run a small business and how to collectively repair a vehicle with the guidance of our TDA Fellow, Ms. Deconnick.

At the end of this programme, our Secondary School students will obtain **a foundation on how engines and vehicles operate, an understanding of what it takes to start and run a business and new insight into a skill they can pursue as a career.**

