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# Kuze – Combination Sit/Stand Desk & Chair

Innovus Technology Transfer (PTY) Ltd is Stellenbosch University's wholly-owned technology transfer company. Contact Anita Nel, Innovus Chief Executive Officer, on (021) 808 3826 or send an email to [ajnel@sun.ac.za](mailto:ajnel@sun.ac.za) for more information.



The KUZE uses an innovative, height-adjusting and locking mechanism, it allows the child to move change position instantly, thereby not interfering from their academic work or disrupting the class.



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## BRIEF DESCRIPTION

The KUZE is designed to meet current evidence-based recommendations to optimise health and school performance. It is a cost-efficient and space saving innovation which serves the dual purpose of a chair and a standing desk.

## UNIQUE CHARACTERISTICS

The KUZE uses an innovative, height-adjusting and locking mechanism, it allows the child to move change position instantly, thereby not interfering from their academic work or disrupting the class. The KUZE features a slight slope that facilitates reading and writing, it also has a left and right slide out panel that enlarges the work surface when using more than one resource. These features make standing and working entirely feasible while enjoying the benefits of reduced sitting time.

## VALUE PROPOSITION/BENEFITS

The KUZE

- reduces the risk of chronic diseases of lifestyle and some cancers
- reduces the risk of developing costly musculoskeletal conditions such as back pain
- improves concentration time which optimises academic performance
- is space saving and durable.

## TARGET MARKET

Although initially designed to improve dynamic school classroom ergonomics, the KUZE will also be suitable for the office or home office.

## TECHNICAL DESCRIPTION

The KUZE matches the anthropometrics of a wide range of learners from junior to secondary school because it adjustable to the size of the learner. It has 6 height settings and can easily adjusted.

The KUZE can be used as a chair or a sanding desk by lifting it onto the existing work surface. The multi-functionality of the KUZE means that it is cost-effective, increases the available floor space for group work and general mobility in the classroom. This also means that learners have the option to stand and work comfortably, thereby reducing sedentary behaviour and reducing the load on spinal structures.

Using the KUZE in standing may increase learner concentration and time on reading and writing tasks as reported by international studies. This has potential benefits for academic performance.

## PRINCIPAL RESEARCHERS

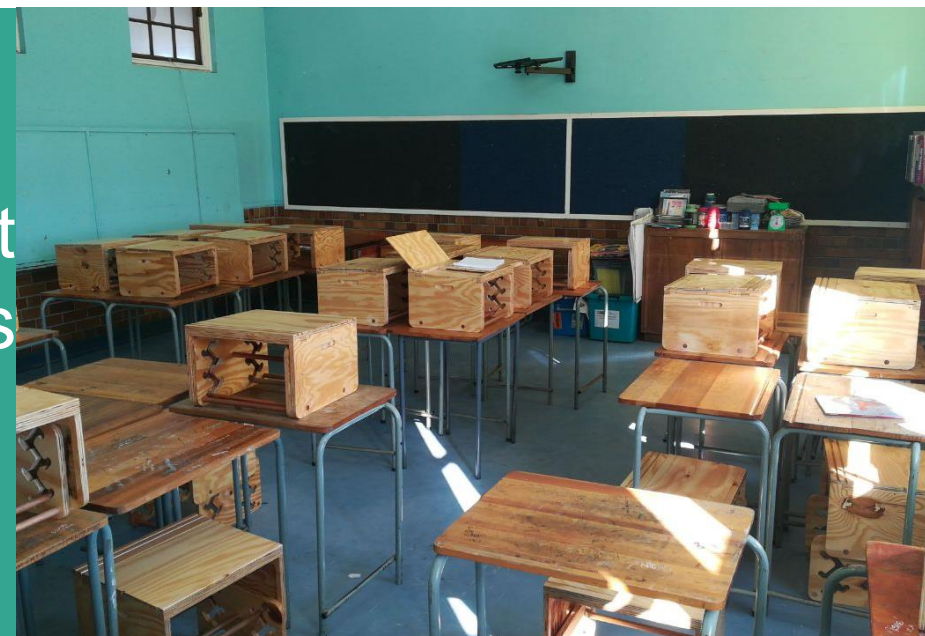
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The KUZE has 6 height adjustable settings that accommodates children from the age of 6 years to beyond complete high school.



## INNOVATIONS STATUS

A provisional South African patent application (application no. 2017/07242), as well as a South African Registered Design application have been submitted for this innovation