



Straw Bale School | Photo source [nudes](#)

INDIAN STUDIO DESIGNS CONCEPT SCHOOL OUT OF STRAW AND WOOD

NONPROFIT & SOCIAL CAUSE

The design uses wood and local material to create a sustainable and adaptable solution for a school in Malawi

Spotted: An Indian design studio has created a concept of a school built entirely of wood and straw. The design is [sustainable and adaptable](#), according to the architects. It is also stable in terms of [fire safety and structural security](#), they told [Dezeen.com](#).

Nudes Studio created the design as part of [an architectural competition organised by Archstorming](#) on behalf of the [Active Africa NGO](#). The concept school had to be made out of local materials and construction systems. Sustainability and scalability were also key requirements. The design had to be a modular solution that could be constructed in stages.

Nudes Studio's concept uses [“ladders” as the backbone of A-frame wooden structures](#). The structures can be adapted in size and shape to accommodate the school's needs. Its exterior sides are filled in with straw (earth and terracotta could also be used).

The Nudes' design was not chosen for the school project. But the [studio plans to develop prototypes to test its potential](#). It is also planning a pop-up pavilion that would include straw bales in its construction

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Takeaway:

While it is easy to think of eco-construction in terms of technology to cut down energy usage, there is increased attention to the **sustainability of building materials**. Nudes Studio's design addresses the **challenges of using local materials to construct sustainable buildings**. Springwise continues to spot other construction ideas focused on sustainable materials. UK architects have designed a **biodegradable building out of cork**. There are also plans to **use bamboo to build a sustainable city on the sea**.