



# IF YOU WERE AN **ENGINEER,** WHAT WOULD YOU DO?™

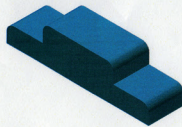
Scottish Engineering **Leaders Award 2018:** National Winner, Secondary 6

## The Yoga Mat Holder

Doing yoga at home can be difficult as there is not an instructor to give tips to improve and help you remain in the correct position.

The consumer can do yoga in the comfort of their own home as they might not be able to do the positions confidently enough in front of others of ranged abilities.

The yoga mat is programmed with positions and uses kinect software to detect how accurately the user is in the position.



The speakers can play calming music, music from the user's phone or an instructions.

The position can be shown to the user on their phone which allows users of all levels to understand and try to perform the position.

This also functions as a yoga mat holder as a good way to store the consumer's mat.

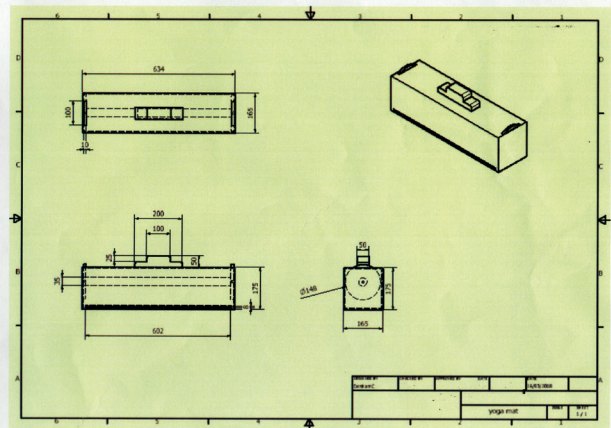
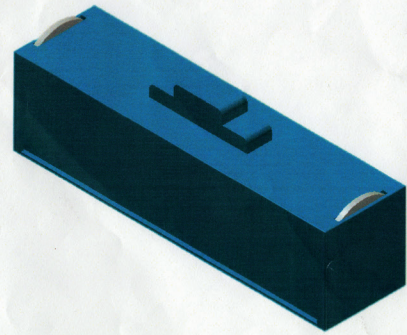
The mechanism used for storing the yogam mat was on rollers as this is less likely to become faulty than using snap rollers or a roller chain. It is also a basic method which all users should be able to use and understand.



Classes could be too expensive or too hard to get to for some users so this mat carrier allows those users to easily find the time to suit them at a lower price.

The carriers can come in various colours to appeal to many users as it will be made from a plastic such as ABS. The rollers could be made from a strong plastic such as Nylon as it is also self-lubricating so the rollers will not become faulty.

The colour contrast shows the user which parts are moving parts and parts to interact with showing how simple the design is and improves the aesthetic appeal of the holder.



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'The Yoga Mat Holder' not only is it a place to store your yoga mat but it can also teach you the positions using Kinect software.