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**CPR/AED Delivery in
the Home**

Story Board



Finding the
Casualty



Story Board



Check to see if the casualty is OK – shake casualty lightly and ask if they are OK

Story Board



Getting up and running to
get the device which
should be placed in a
central area like a hallway



Story Board



Opening the cabinet and
Grabbing the device

Running back to the
casualty with the device



Story Board



Kneel down next to the casualty and place headrest near the head of the casualty.

Turn on the device by pressing the ON button, this will activate the audio prompts.

At this point upper body clothing would have to be removed



Story Board



Grab the headrest by the handle so that it can be slid under the casualties head



Story Board



Lift the casualties head and slide device under their head

Story Board



Lift the breathing mask



Place the breathing mask



Pull the straps on both sides to tighten breathing mask onto the patients face

This is to simulate the lip seal in the resuscitation process

Story Board



Place the compression system on the casualties chest with compression pad between the nipple line

Story Board



Place pads in appropriate areas and pad down to stick electrode pads to the bare skin

Pull on tag to remove AED Pads from the wall of the compression system. By pulling on the tag also removes the plastic covering of the pads that protects the electrode pad



Story Board



Press 'CPR' Button to start compressions, rescue breaths and defibrillation cycle

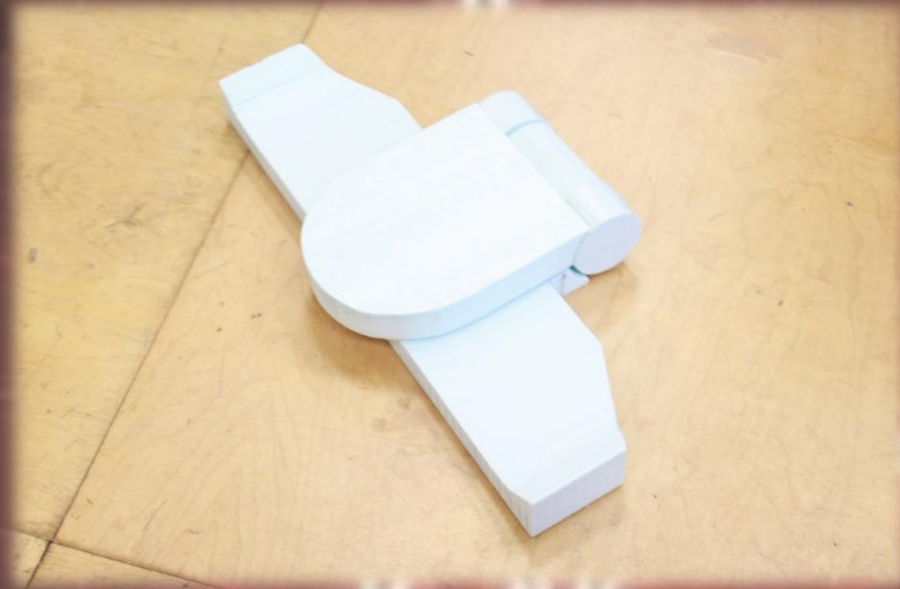
Future Design Changes



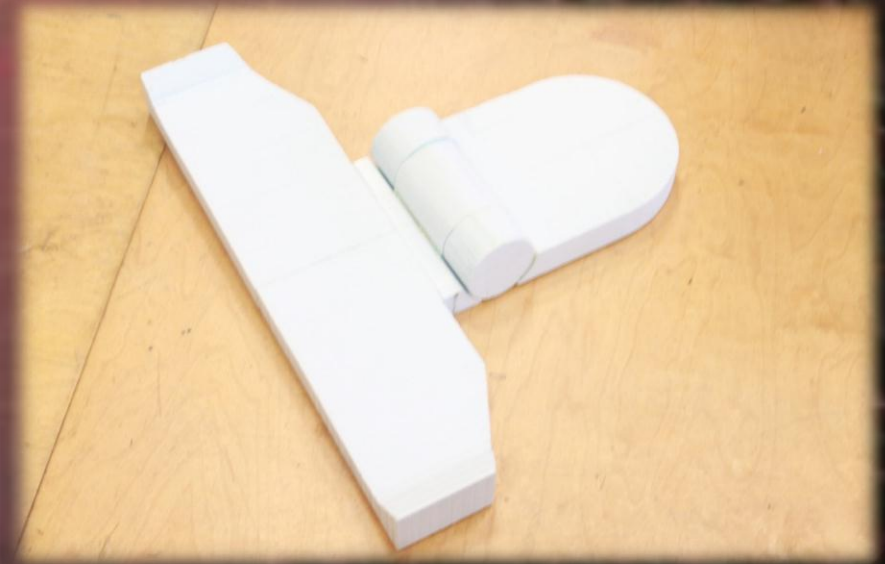
At the moment the compression system of the device has to be held in place but, I am designing a bracket to hold the system in place so that the rescuer can stand back from the casualty while they wait for EMS arrive

Future Design Changes

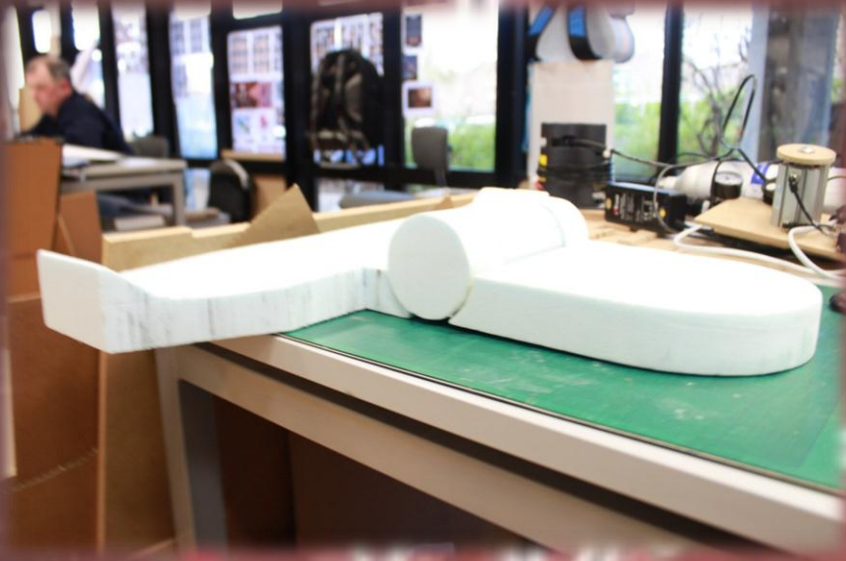
In a folded position it can be easily carried



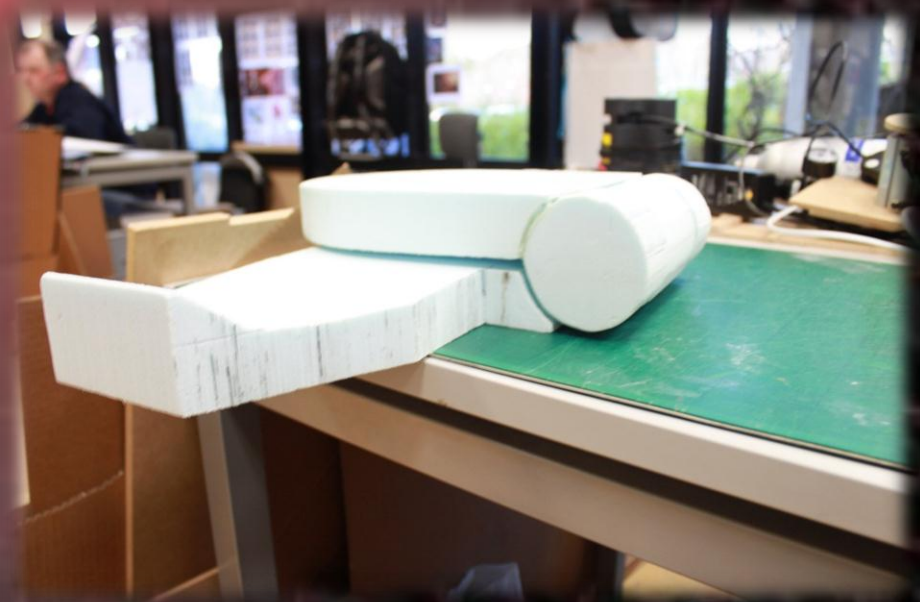
Foldable design that extends the headrest to a backrest to stabilise a bracket for the compression piston



Future Design Changes



As well as the connection being able to fold the device, it also works to extend the angle of the neck to open the airway



Future Design Changes



Compression system with a
bracket that connects to
the backrest