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Fencing Saber
EDSGN 100 – Section 014
The sabre is one of the three weapons of modern fencing. My passion is fencing, and my weapon of choice is the saber. This inspired my the creation of my CAD project.

A bit of information...

The saber differs from the other modern fencing weapons, the épée and foil, in that it is possible to score with the edge of the blade; for this reason, sabreur movements and attacks are very fast. For the other two weapons, valid touches are only scored using the point of the blade.
The cross-section of the sabre blade is Y- or V-shaped, unlike the quadrangular shape of the foil, but not as stiff as the épée. Adult (size 5) blades are around 86–89 cm in length. At the end of the blade, the point is folded over itself to form a "button". The bell guard of the sword is curved around the handle, giving the fencer hand protection.

On electrical sabres, a socket for the body wire is found underneath the bell guard. A fastener known as a pommel is attached to the end of the sword to keep the bell guard and handle on. The entire weapon is generally 100–105 cm long; the maximum weight is 500g, but most competition swords are closer to 400g. It is shorter than the foil or épée, and lighter than the épée, making it easier to move swiftly and incisively.
The shapes of sabers vary...
My version

Please refer to 3d PDF model at personal.psu.edu/aec5480