

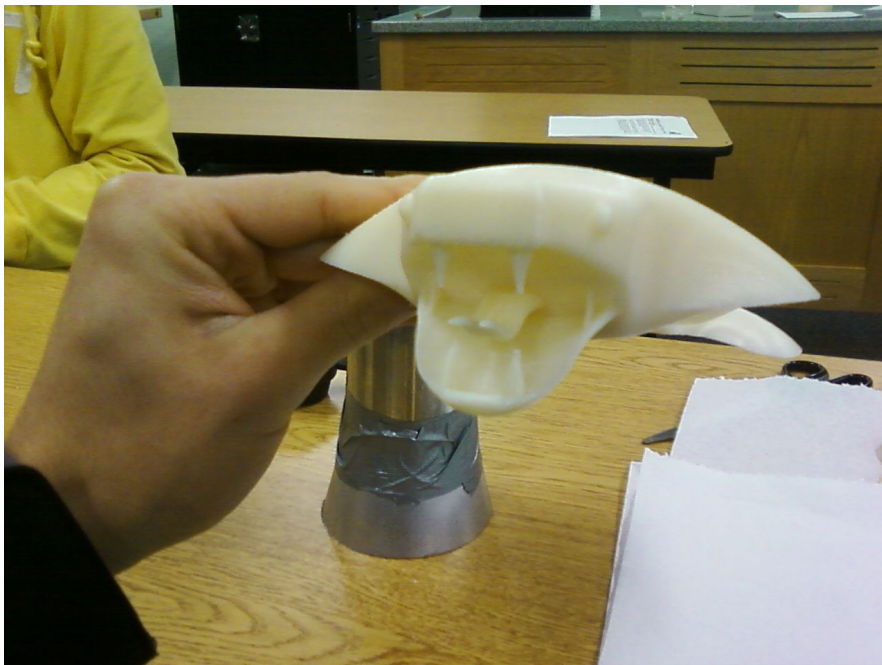
Cobra Tailpipe Cover

In a high school engineering class we had a group project where we were charged with the task of inventing a product. My group had the idea to make a decorative cover to go onto stinger-style tailpipes that would allow the exhaust to flow freely, but prevent rain from entering. Our solution was to create what was basically a chimney vent to go over the tailpipe. Rather than making it look like a boring chimney vent, however, we decided to make it look like a Cobra.



A CAD rendering of the Pipe Cover can be seen in the image above. The larger snake in the background was my high school self thinking that it would be cool to change the background of my CAD program (Autodesk Inventor) to an image of a snake. Sadly, this is the only image that I still have of the CAD file.

We printed out the head of the snake using a 3D printer, but we did not have enough money to print the whole thing, so we sculpted the tail out of modeling wax.



We took the plastic/wax snake to a trophy shop where they made a mould of the model and then used the mould to make a bronze casting.



In the end, we found our design to be aesthetically pleasing, but also heavy, expensive, and impractical.

