

For this project I decided to print and redesign the conventional headphones. The idea stemmed from being able to manipulate an outside form that could be used to hold headphones easily. My intention with the project was to use alternative printing materials to make a collapsable form. A form that could be taken apart to the pieces that it is made out of and be put together in a functional way. Making the headphones self-contained and easily adjustable. Using Flexible PLA I made the straps that could ideally be kept inside the earbuds. The project was challenging when it came down to the material properties that I did not account for. But either way I think it is still of interest to consider the possibilities in sketching and printing in 3D in terms of re-branding and redesigning even the most day to day objects. Headphones play an important role in day to day life and are worn as an accessory, my design which uses thermal earbuds is also a design function that is interactive with the listener's environment. The earbuds change color according to the surrounding temperature. In a possible redesigning of this project I would like to add a cushioning and heating material to make it's thermal functionality more pronounced.