

## Flexi Dragon Head



Lindsay Bayona

Additive Manufacturing

Finished course on 1/14/21

Project overview:

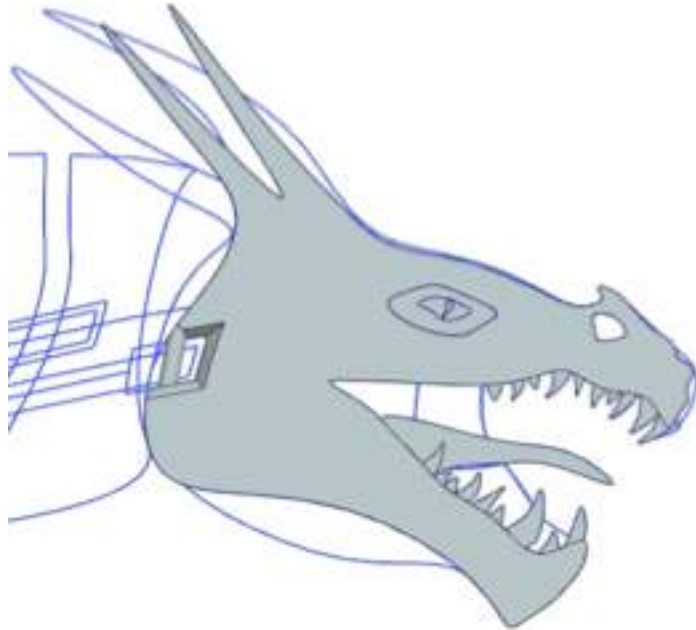
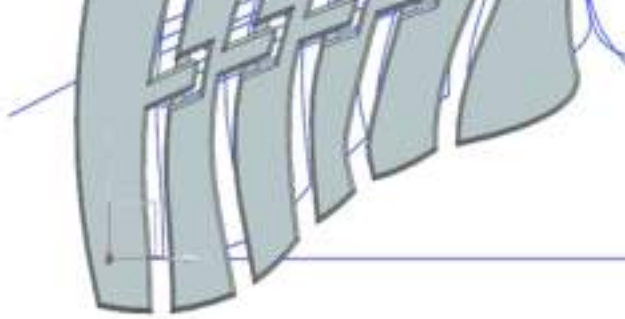
Name:

Flexi Dragon head

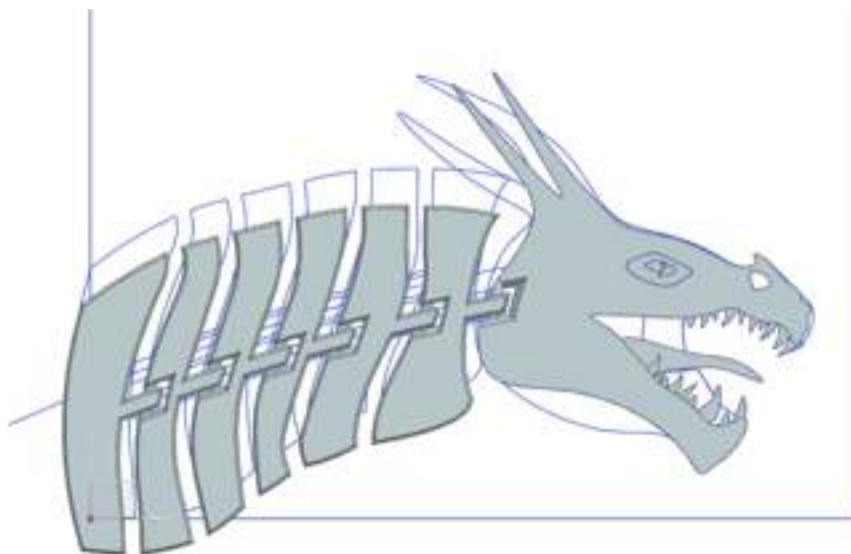
End use case:

This particular project didn't have an everyday type function, but instead it was made for fun, and to have it resemble a flexi rex.





Design for 3D printing



CAD software used:

Siemens NX

Why CAD software was chosen:

This project was created for fun. It originated from an original hand drawn dragon head, and it was meant to be a Flexi Rex.

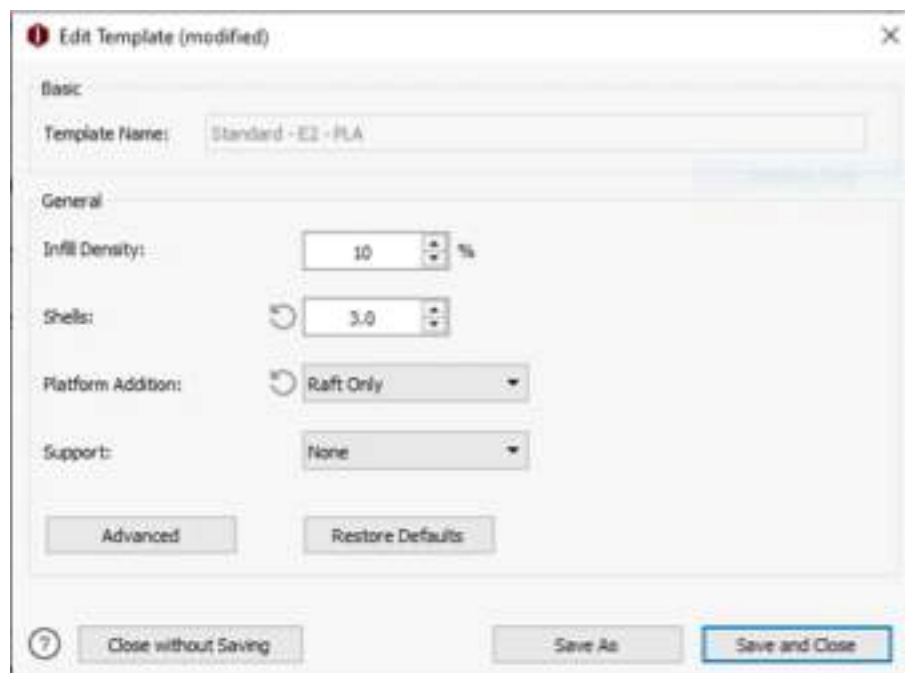
Considerations taken while designing to ensure that 3D print would be successful:

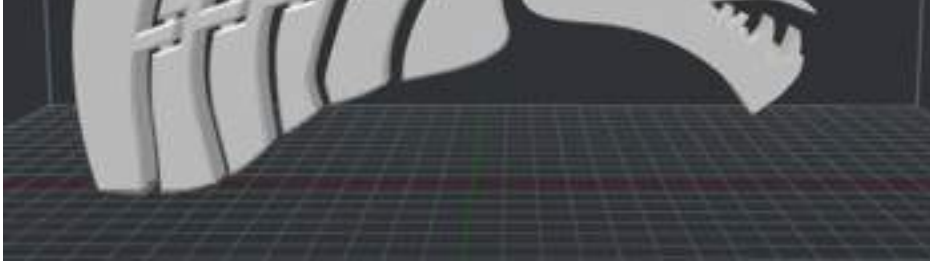
I had to consider how the neck of the dragon would be able to flex easily. The head shape had to be modified to be able to have a nice flow for the neck to flex.

Surface finish:

The finish was smooth on the surface, but the teeth and horns are sharp.

Computer Aided Manufacturing for FDM:





Fundamentals of FDM:



Post Processing FDM parts:

N/A