Flying Night Dragon

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VIEW IN BROWSER

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Summary

Flying model of dragon

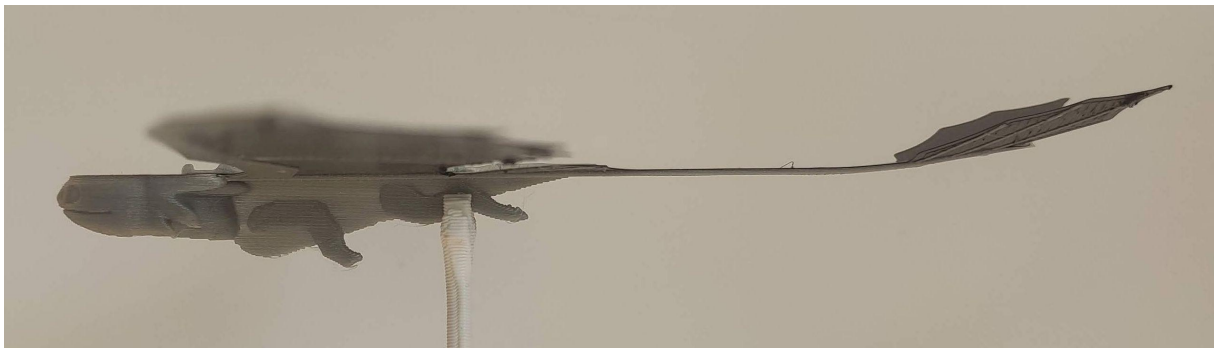
Toys & Games > Other Toys & Games

Tags: toy dragon dart design plane fantasy model easytoprint printinplace easy quickprint learning firstlayercalibration flying outdoor fastprint flight indoor glider fly aviation outdoors easyprint kidstoys kidstoy aeroplane generalaviation firstlayer modelairplane throwingtoy throwing outdooractivities glide toothless learningtoys freeflight firstlayertest 3deasyprint throw nightfury howtotrainadragon smallprint aeronautics howtotrainyourdragon flyingtoy throwtoy flyingmodel throwme outdoortoy makeitfly kidsindoortoy airplain

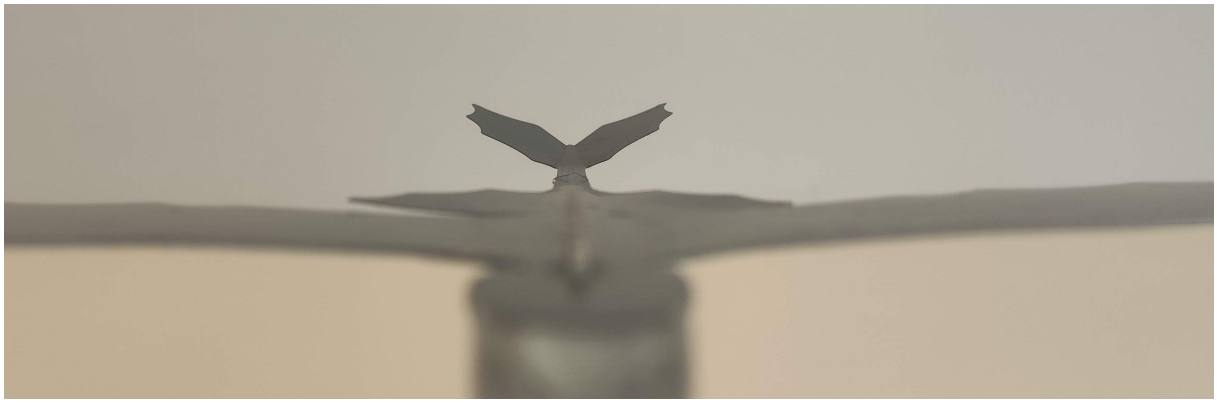
Instruction how to train your dragon.

After printing, you have to make some bends.

The most important is bending of the tail a little up.

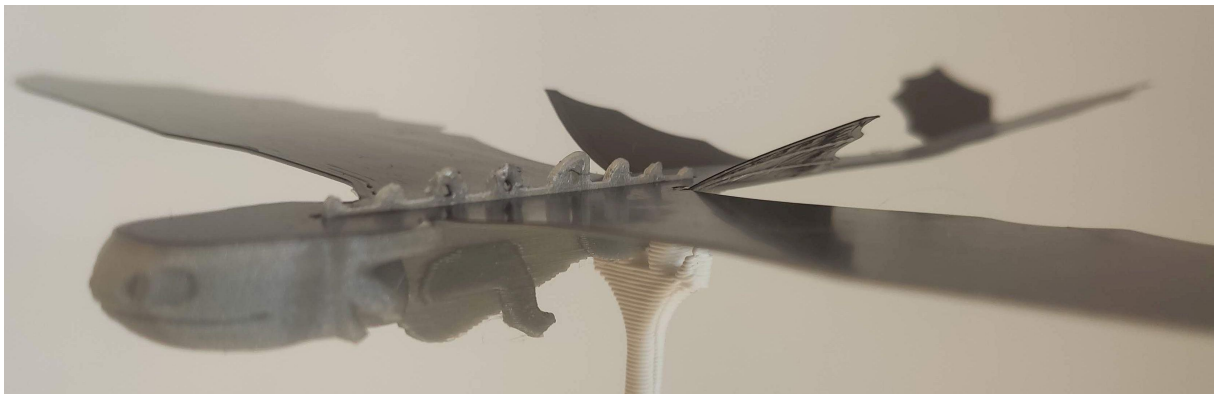


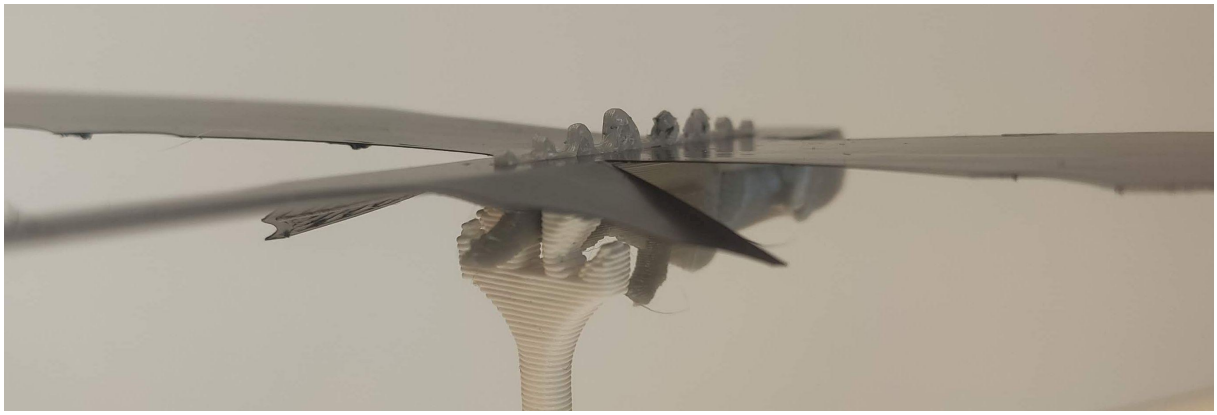
You can also bend it a little into V shape



Next important thing is bending of wings a little bit up.

Beyond that you can play with middle small wings and bend it up or down or just leave them as they are.





With version 2.1 you don't have to add ballast to the head. With 100% infill and PLA, dragon should be good balanced.

If you accidentaly printed dragon with lower infill than 100%, add play-doh or plasticine to the head and it will be flying too.

Sometimes the model is demand a little refresh shape after hard landing. Good throw technique is also important. Throws it like paper airplane.

Prepare that not every flight will be good. But if you train the dragon a little then smooth flight is very satisfactory :)

Printing

Print in place with PLA, with 100% infill (for proper head ballast) and 0.2 mm layer height. You have to have good bed leveling, because wings and tail have only one layer height.

With my prusa mk2 with 0.6 nozzle it takes about 30 minutes.

Files

The model has two versions

One without horns to quickly print and fly.

Second one with horns on the back to fix it to the ceiling and for a better look :) Horns fix with superglue.

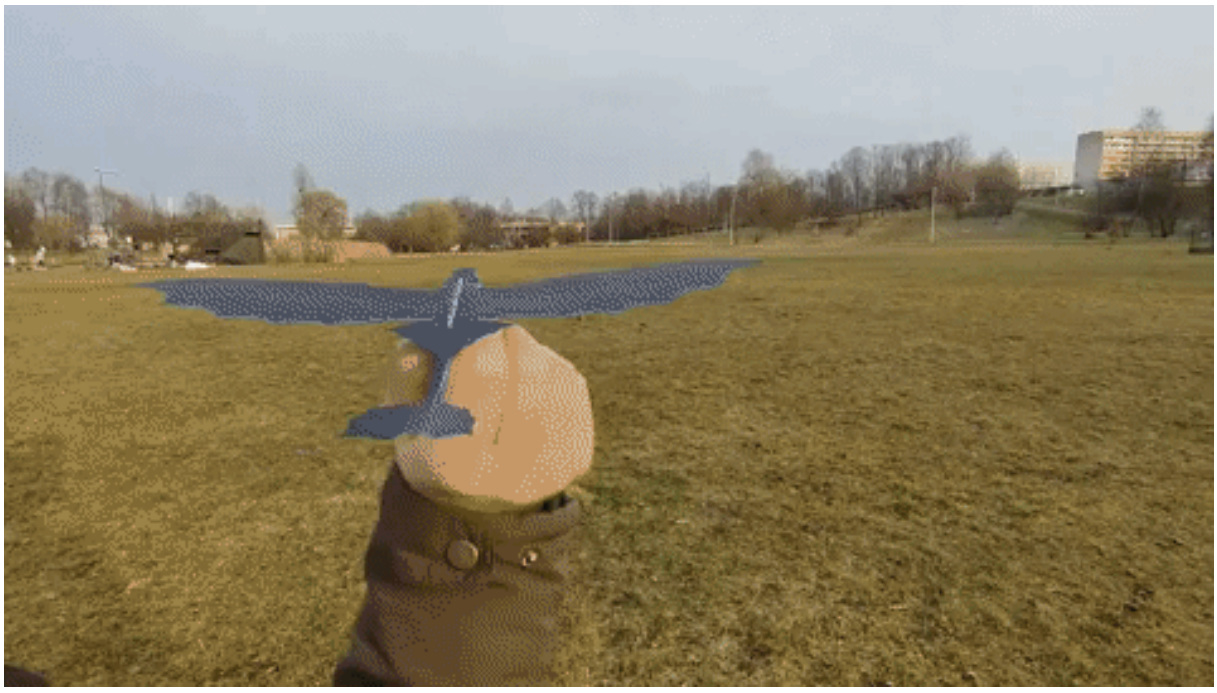
Besides, there is a desk stand, wall sticker and ceiling hanger. To stick it to the surface, use double side tape. Print it with layer height whatever you want.

Flights

Below some outdoors exemplary tweaks nad flights.

Version 2.1 without ballast. Flights were performed with windy condition so dragon was a little nervous :)

Version 1 with balast.



If you like this glider, check out my other flying models both free and exclusive for example :

https://www.printables.com/pl/model/625290-flying-drogon-from-game-of-thrones

https://www.printables.com/pl/model/618653-flying-banshee-from-avatar

Have fun :)

Update version 2, 21.03.2023

I added more realistic head to body (I hope you will like it :))

I shrank the model of 1% for better fit to mk bed in all orientation

I repaired issue reported by user N601DX. Problem occurs when we want to divided model in slicer, now model divide properly.

I added for request of user Yakup Enes Güven version of dragon with two layer of wings. I tested it and it doesn't fly good so it is rather for decoration purpose for those with problem with one layer print.

Update version 2.1, 02.04.2023

I modeled thicker head. It add a little weight, so dragon glide good without need to add additional balast.

I added a little space for horns for better fit.

Model files

Dragon v 2.1 - thicker modeled head and no ballast need 2 files

dragon-v21-without-horns.stl

For fast print and fly without bothering of horns.

dragon-v21-with-place-for-back-horns.stl

Version with placehole for back horns for better look

Dragon v2 - modeled head

1 file

dragon-v2-with-two-layer-wings-and-place-for-back-h... .stl

It doesn't fly good. Only for decoration purpose for those with problem to print normal version

Dragon v1 with simple head

2 files

dragon-v1-without-back-horns.stl

For fast print and fly without bothering of horns.

dragon-v1-with-place-for-back-horns.stl

Version with placehole for back horns

backhorns.stl

Glue it to back of dragon.

ceilinghang.stl

You can hang with string and paperclip or slide in back horns.

deskstand.stl

With 3 holes, standard, 45 degree and 60 degree.

wallsticker.stl

For bottom side of the dragon.

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