ONEDASH

ONEDASH
F1 IN SCHOOL



wearn

in Schools

TKY
เตียนท์การยาง

I ♥ FASHION

F1 bearings

RADIANCE
SKIN CLINIC

PROJECT EXPLAINATION

F1 in Schools

- **International STEM competition**
- Challenges teams of high school students to **build miniature cars powered by CO2 canisters**
- Aims to **promote STEM Education** (STEM: **Science**, **Technology**, **Engineering**, and **Mathematics**)
- Encourage students to pursue **careers in Engineering, Technology, and Design**



SECTIONS OF F1 IN SCHOOLS

1. Team Building
2. Sponsorship and Marketing
3. The Car
4. Create a Portfolio



SECTION 1: TEAM BUILDING/TEAM IDENTITY

TEAM NAME

ONEDASH

- Represents the one press of the button
- **Ties in with our Goal**
- **Ties in with our Motto**

TEAM GOAL

Presenting a car that functions and will accelerate forward with one dash

TEAM MOTTO

Dash to the top

1



ONEDASH

2

ONEDASH

3

ONEDASH

CHANGES IN LOGO

Reasons

- Making it to the finish = Make it far into the competition
- Changed for copyright reasons.

Reasons

- Unique and original
- Lines that represent aerodynamics

Reasons

- Combined the F1 in Schools' logo with OneDash's logo

F1 in Schools

5 Qualities contribute to a successful team

- Respect each other
- Do your best, (don't rush your work, stay focused, and no YouTube.)
- Talk/discuss with each other.
- Listen to each other.
- Don't run away, (We are here to support each other.)

Team Colors

Black: #00000

Strength
Solidarity
Sophistication

Red: #FF00

Energy
Courage
Sacrifice

White: #FFFFF

Hope
Clarity

Team Uniform and Cap





SECTION 2: SPONSORSHIP AND MARKETING



F1 bearings





TKY
เตนท์การยาง

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in Schools

RADIANCE
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BUDGET SUMMARY

The budget summary is to summarize the expenses of F1 in schools.

1. **Engineering - 25,000 THB**
2. **Pit display - 5,218 THB**
3. **Marketing - 16,000 THB**
4. **Travel - 16,000 THB**
5. **Brand - 34,000 THB**
6. **Entry Fee- 100,000 THB**

In total, **196,218 THB**

SPONSORSHIP PACKAGE AND BENEFITS

Bronze 7,000 Baht

- Logo will be on our website, car, uniform and pit display (small size).
- You will be mentioned **2 times** per month in our social media and NFT verifying sponsors.

Silver 15,000 Baht

- Logo will be on our website, car, uniform and pit display (small size).
- You will be mentioned **7 times** a month in our social media and NFT verifying sponsors.

Gold 55,000 Baht

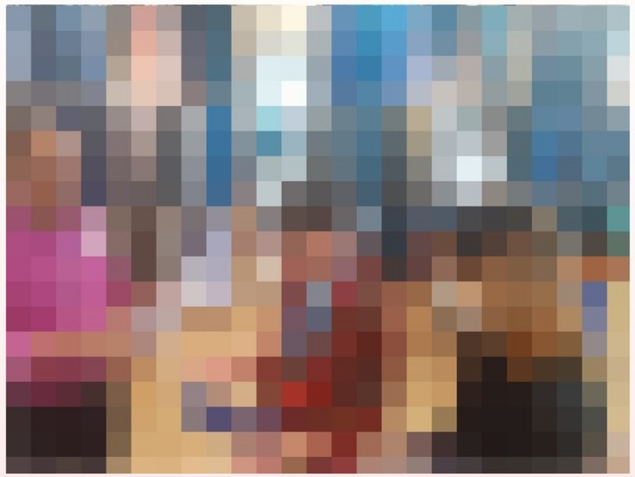
- Logo will be on our website, car, uniform and pit display (big size).
- You will be mentioned 7 times a month in our social media and a NFT verifying sponsors.

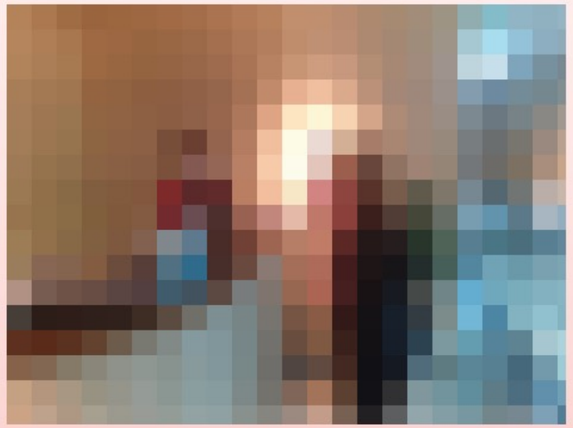
Diamond 55,000 Baht

- Logo will be on our website, car, uniform and pit display (big size).
- You will be mentioned 10 times a month in our social media and NFT verifying sponsors.

WAYS OF GAINING SPONSORSHIP

Trips to offices in Maneeya Center and Central World





Sending sponsorship proposal emails to the prospective sponsors

Request for Sponsorship for F1 in Schools Project

I am writing to you on behalf of oneDash, a team of young engineers who are participating in the F1 in Schools competition. F1 in Schools is a global STEM competition that challenges students to design, build and race their own miniature Formula One cars. The competition provides students with an opportunity to showcase their skills in engineering, design, and business, and we believe it is an excellent platform to promote STEM education.

As a team, we are very passionate about this competition and have been working hard to design and build our own car. However, we are facing some financial constraints in our pursuit of excellence. We are in need of sponsorship to help us cover the costs of materials, equipment, and travel expenses to participate in the national competition.



Giving sponsorship pitch during the WeLearn Showcases on 17th February and 3rd March, 2023



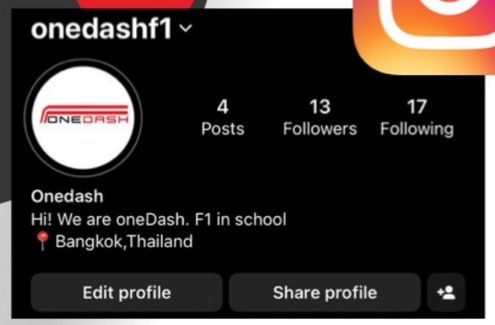
BROCHURE AND INVITATION POSTER







SOCIAL MEDIA PLATFORMS

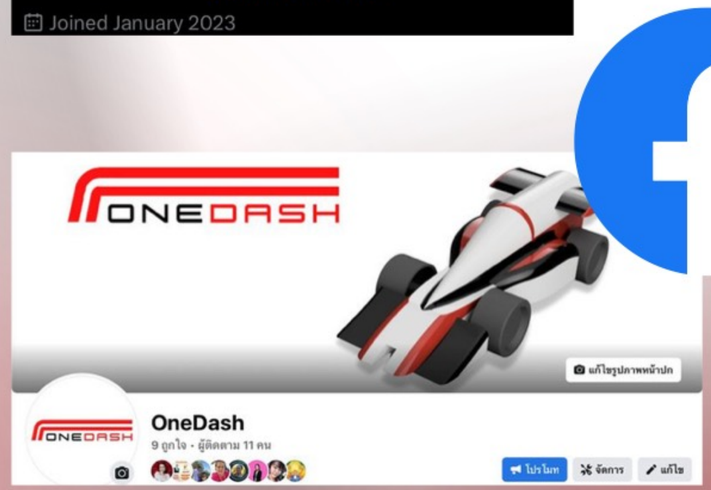


@OnedashF1





@onedashF1



OneDash

Website

SPONSORSHIP

As of now, our team received sponsorship from **4 companies**, which are the following:

F1 bearings

- Sells car components and tools.
- **30% off** for their bearings (if we do higher level f1 in schools).
- Our marketing manager sent a **sponsorship request to their Instagram** account.
- **They were interested**, so we **sent our sponsorship proposal** which contained the packages.

Radiance skin clinic

- Beauty clinic that specializes in anti-wrinkles and fine lines on the face.
- Our team received **500 THB**
- Located in **same building as WeLearn,** Maneeya Center
- Received sponsor when **two of us visited their clinic** during the trip in Maneeya Center.

TKY TYRE CENTER

- Company that specializes in selling and fixing any type of Tyre for more than 45 years.
- Our marketing manager **had a personal connection**, and took this as an **opportunity to send a proposal**
- They **bought the bronze package**, and gave us 7,000 THB by bank transfer to our marketing manager.

I love Fashion

- Sells shirts and other fashion items
- Offered us to make free uniforms
- They came to WeLearn to see about the project

WeLearn

- Our learning Center
- Providing numerous assistance

SECTION 3: THE CAR

Final Car Design



PLATFORMS AND METHODS USED FOR CAR DESIGN AND TESTING

Designing

Autodesk Fusion 360

- Good for managing your designs

Virtual Testing

Autodesk Flow Design

- Basic program to see aerodynamics

Manufacturing

- CNC Machine
- 3D Printer (Development Class)
- Spray Paint for Protection

Physical Testing

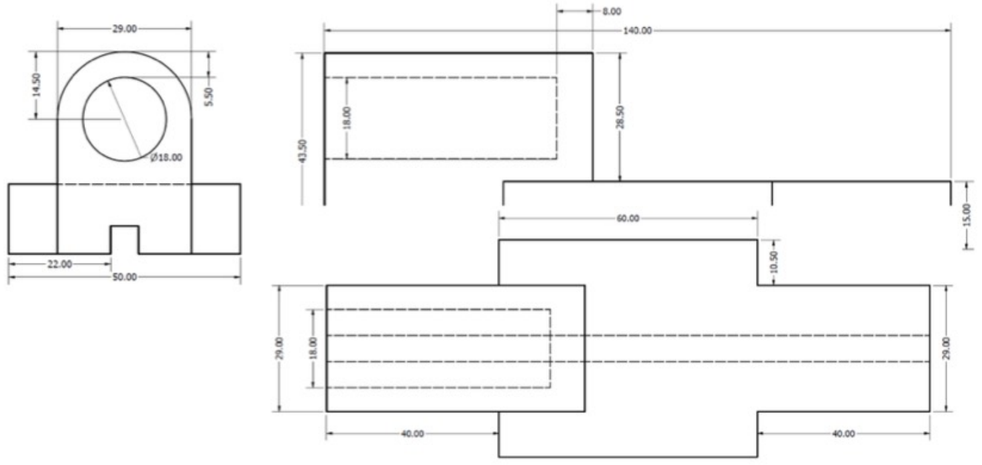
- Track
- Wind Tunnel (Only some cars)

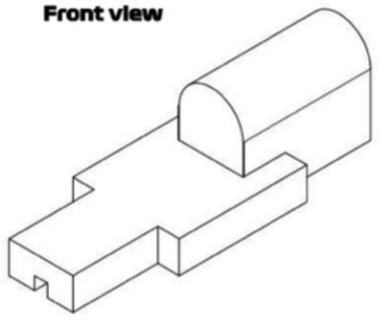


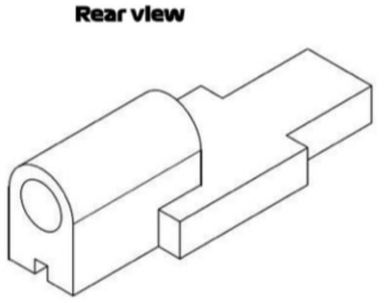


ENTRY CLASS DESIGN

No-go-zone

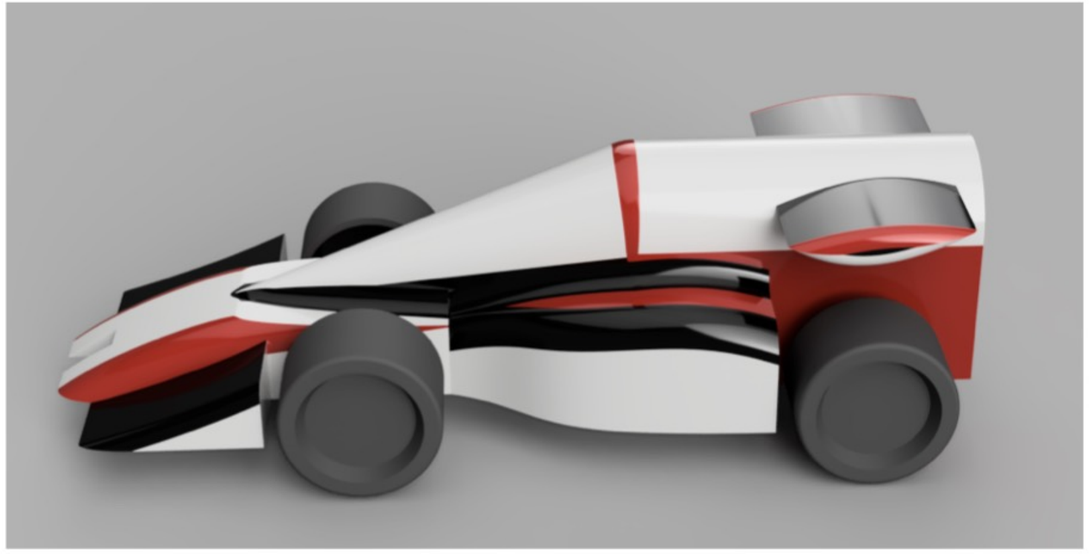




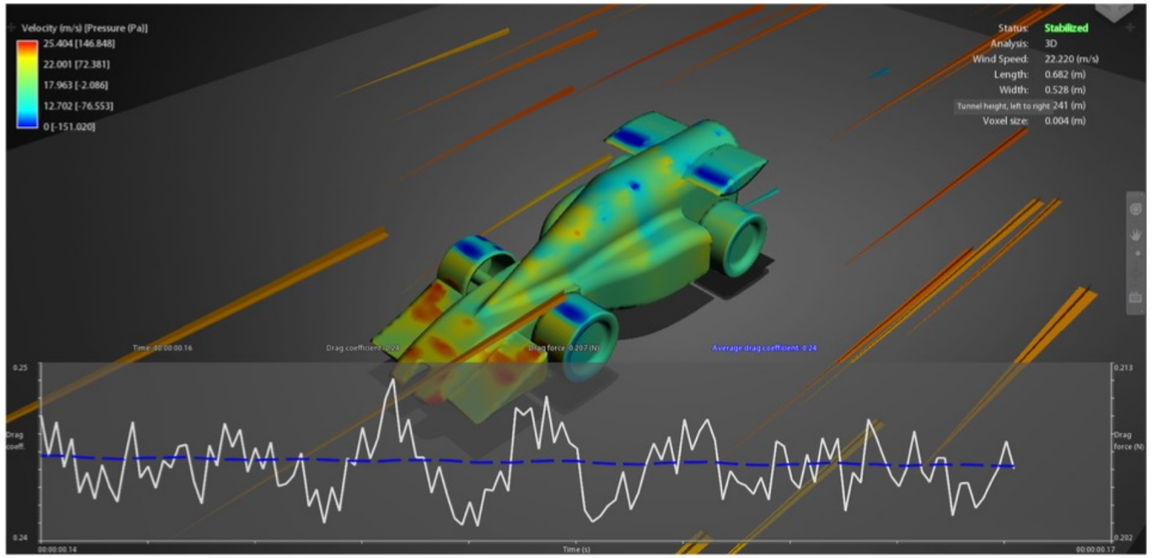


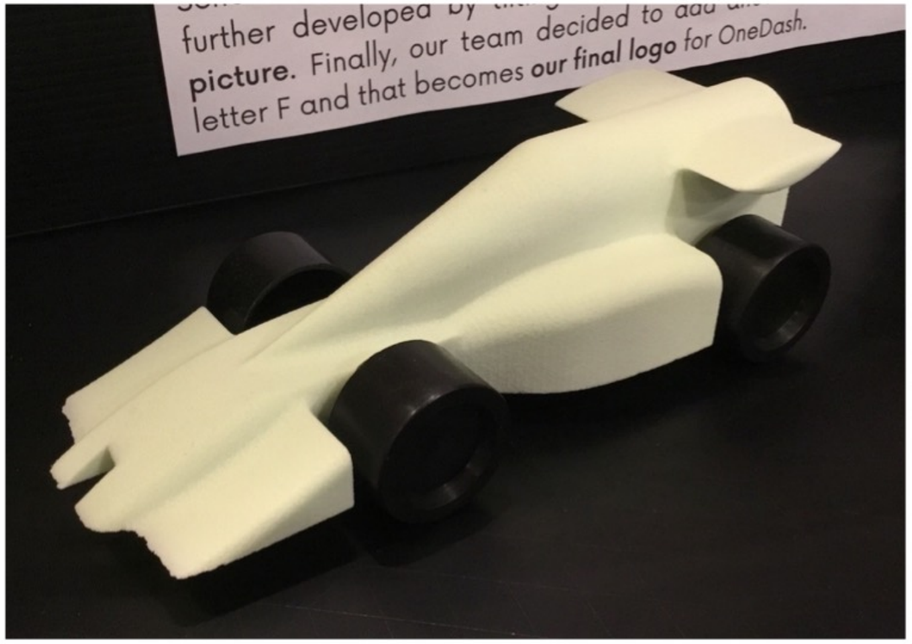


- Cone-shaped body
- Curved Edges
- Front wing to navigate air above wheels
- Slightly curved sidepods for better airflow

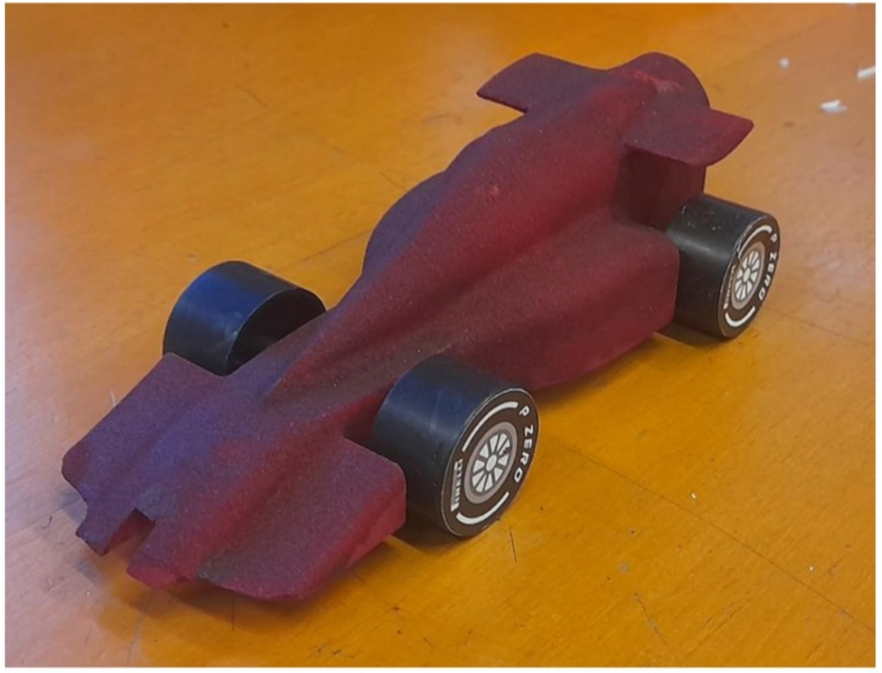


ENTRY CLASS DESIGN



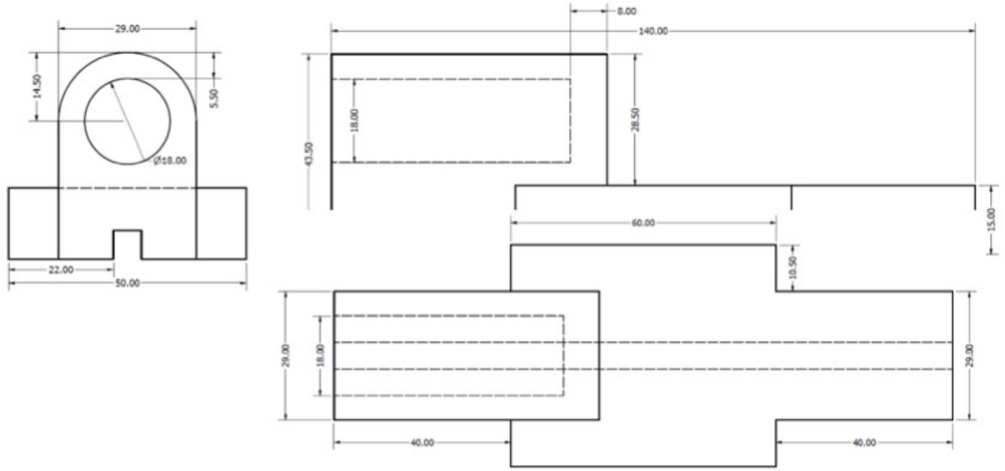


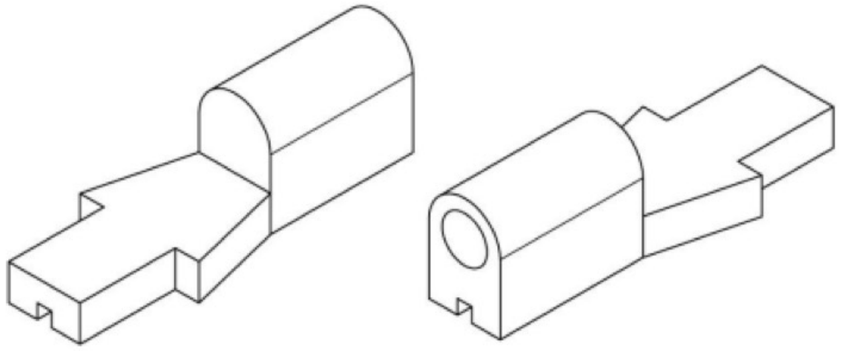
- Drag Coefficient: 0.24
- Track time (9 meter): 0.57 seconds
- Painted in red (team color)



DEVELOPMENT CLASS DESIGN

No-go-zone

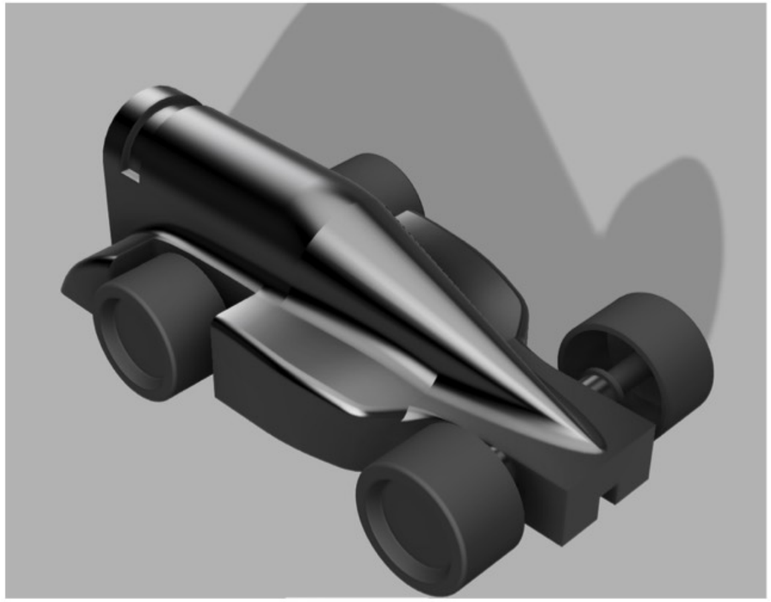




Front view

Rear view

Body



- Based on Entry Class Design
- Adjusted to fit No-go-zone
- Has rear sidepoeds to help with aerodynamics

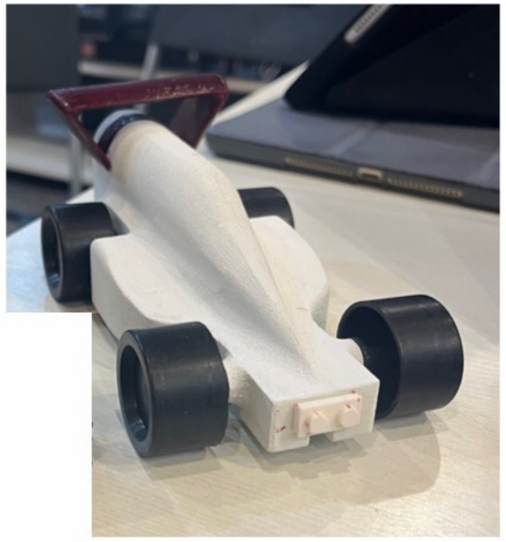


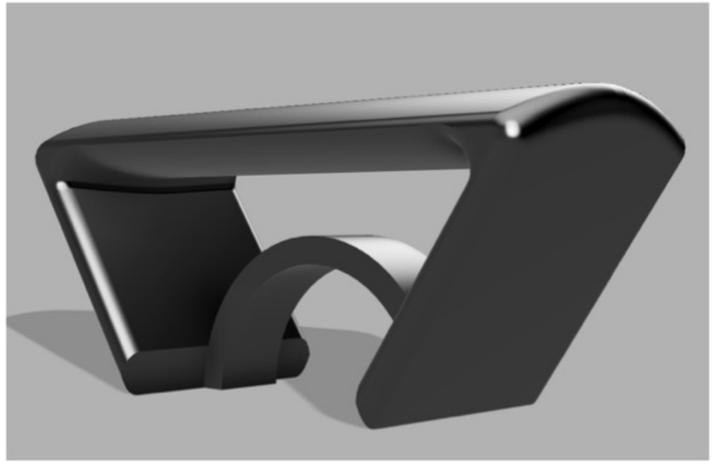
- Painted in white
- Dent to attach rear wing

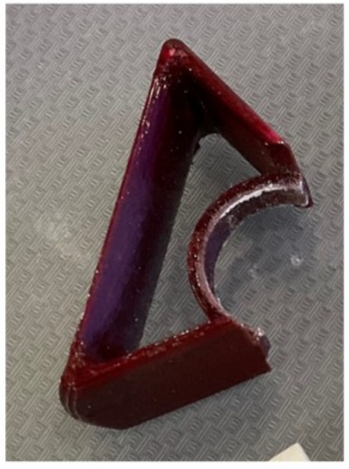
DEVELOPMENT CLASS DESIGN

Rear Wing

- Basic shape with supports on sides
- Painted in Red
- Attached to body using superglue

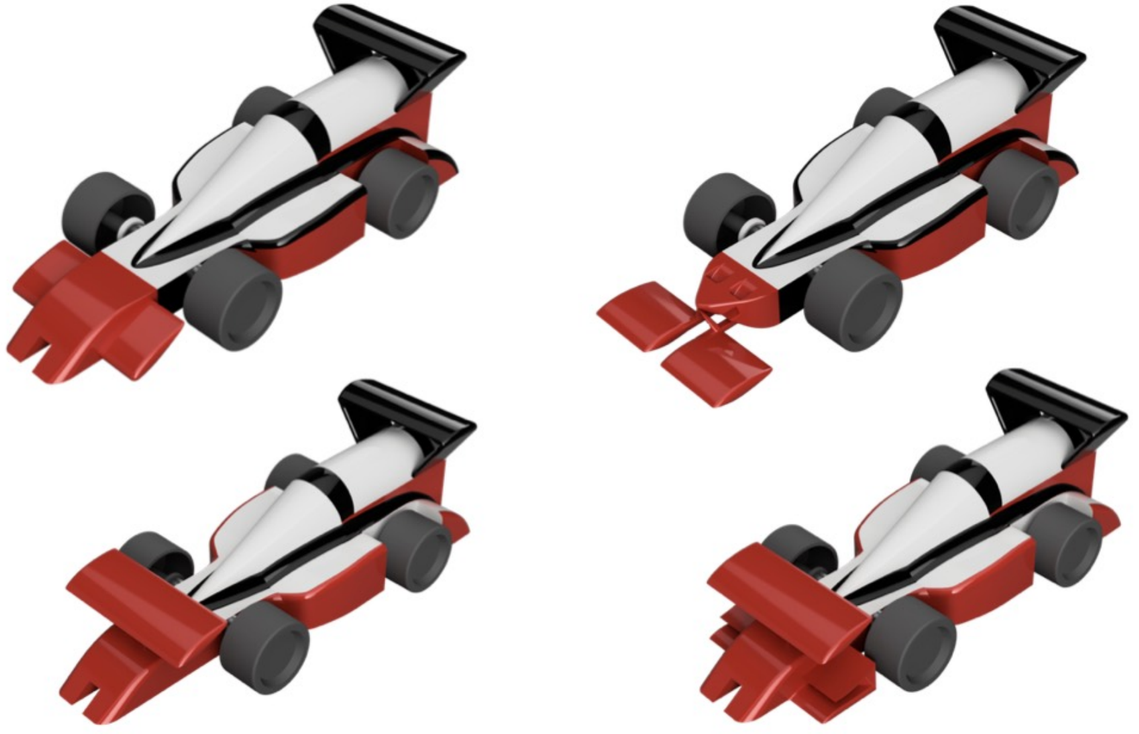






Front Wing

We have multiple designs as you can see below, please refer to the Development Class Engineering Portfolio.



SECTION 4:
CREATE A PORTFOLIO





Enterprise Portfolio

Engineering Portfolios
-Development class
-Entry Class





Portfolio's elements

Pit display

Presentation slides

ONEDASH

THANK YOU