Team MUME
梅花

STEM RACING HONG KONG & MACAU · PROFESSIONAL CLASS 2026

Sponsorship Proposal

企業贊助提案

梅花

Racing for Chinese Taipei · Hsinchu County American School

AT A GLANCE

Team MUME 梅花

5–6 Dec 2026

Hong Kong & Macau Final,
Science Park, Hong Kong

1st season

The first year Taiwanese teams
race in this class

2027 World Finals

The route for the best
Chinese Taipei team

STEM Racing 競賽介紹

STEM Racing, formerly F1 in Schools, is a global engineering competition. Teams design a miniature car in CAD, test it in a virtual wind tunnel, machine it from an official block and race it 20 m on a gas cartridge in about one second.

Judges also score engineering and enterprise portfolios, the team's brand, a pit display and a 10-minute presentation. Racing is under a quarter of the points, so winning teams run like small engineering companies.

91 teams
from about 35 countries and regions at the 2026 World Finals

1.118 s
by the fastest car at the 2025 World Finals, over 20 m

60+ countries
where schools take part in STEM Racing

Team MUME 梅花

We are a student team from Hsinchu County American School in Zhubei. On 5–6 December 2026 we race for Chinese Taipei in the Hong Kong & Macau Professional Class final at Hong Kong Science and Technology Park. It is the first year Taiwanese teams compete in this class, and the best Chinese Taipei team is planned to advance to the 2027 World Finals.

MUME is the plum blossom, *Prunus mume*, Taiwan's national flower. It blooms in the coldest weeks of winter, fitting for a first-season team.

梅花香自苦寒來

"The plum's fragrance comes from bitter cold." A Chinese saying about strength that grows through hard work.

Flight plan 2026–27 賽季時程

TPE → HKG

Sep 2026
Registered and paid: entry, two race cars and coaching
✓ DONE

18 Nov 2026
Logo deadline for the Hong Kong cars and uniforms
⚠ PARTNERS

28 Nov 2026
Portfolios and drawings due in Kwai Chung, Hong Kong

5–6 Dec 2026
Hong Kong & Macau Final at Hong Kong Science and Technology Park
RACE

2027
World Finals for the best Chinese Taipei team; venue to be announced
IF SELECTED

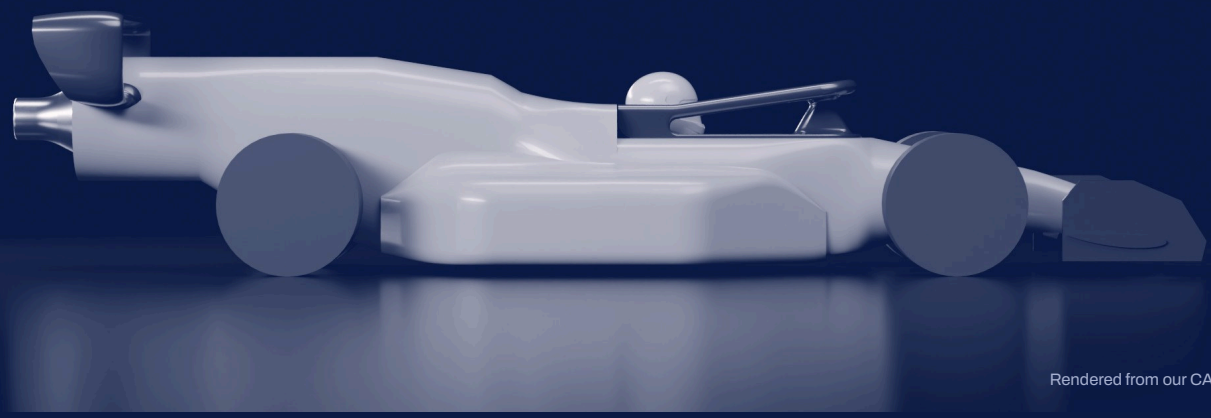
OUR RACE CAR

C10

0.426 N drag at 20 m/s

50.0 g target race mass

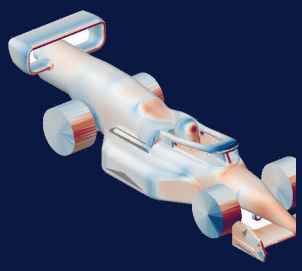
39/39 Hong Kong rule checks



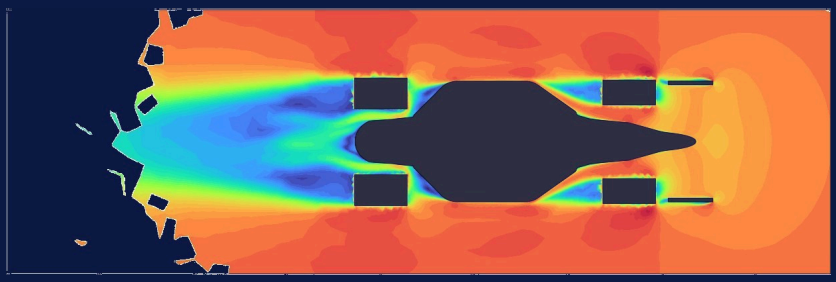
Rendered from our CAD model

INSIDE THE WIND TUNNEL

Ansys Fluent · 917,022 cells · k-omega SST



Surface pressure: red pushes back, blue pulls. The wheels make 65% of the drag.

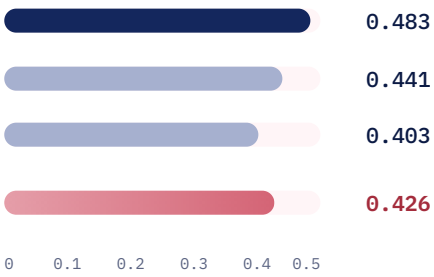


Top view at axle height: slow air (blue) trails behind the wheels.

Our first full concept had 0.483 N of drag at 20 m/s. After 22 Ansys Fluent simulations, C10 has 0.426 N and passes all 39 of our checks against the Hong Kong 2026 rules. It is the legal version of our 0.403 N design, with the wider wheels the rules require.

BODY	CNC-machined from the official block
POWER	one official gas cartridge
LENGTH × WIDTH × HEIGHT	233.6 × 67.6 × 52.7 mm
WHEELS	Ø28.3 mm, 13.3 and 16.3 mm wide
TRACK	20 m, about 1 s

Drag through development



N at 20 m/s · moving floor, rotating wheels

Costs 經費

Entry, two race cars and coaching are already paid. The other lines are estimates for seven travellers (six students, one teacher), priced on 22 October 2026.

Paid **NT$77,000** Still needed **NT$237,000** of NT$314,000 for the Hong Kong final

ITEM	WHAT IT COVERS	NT$
Entry, two race cars, coaching ✓ PAID	HK$18,800, paid in September	77,000
Flights	Taoyuan–Hong Kong return with one checked bag, 7 × about NT$9,000	63,000
Hotel	3 nights in Sha Tin, 3 twin rooms and 1 single, about NT$5,600 a room-night	67,200
Meals and local transport	7 people × 4 days, including airport transfers	41,400
Pit display	2 × 2.5 m printed back wall, panels, lights, car plinth	23,300
Team uniforms	6 embroidered polo shirts, about NT$1,000 each	6,000
Portfolios and drawings	2 A3 portfolios × 4 copies, courier to Kwai Chung	5,100
Extra baggage	Checked bags for the display and spare cars	4,600
Travel insurance	7 people, 4 days	4,900
Contingency	10% of the estimated lines	21,500
Total		314,000
Already paid		−77,000
Still needed		237,000

HK$ converted at HK$1 = NT$4.175 (22 October 2026). Flight and hotel prices will be updated before we book.

Additional costs 其他費用

Only if we qualify: the 2027 World Finals.

Registration, flights, hotel and freight would cost about NT$0.5–1.2 million, depending on the venue, which has not been announced.

In-kind support

As welcome as cash: flights, printing, uniforms, pit lighting and screens, simulation software or an engineering mentor. It counts toward a package at market value.

Benefits 合作效益

For your company

Seen by judges, teams and visitors. Your logo on both race cars, our uniforms and the 2 × 2.5 m pit display in Hong Kong, and at the World Finals if we qualify.

Part of the judging. Judges assess how each partner helped, so your support features in both portfolios and our 10-minute presentation.

ESG you can report. Two hands-on Taster Labs for 40–60 Grade 6–8 students in Hsinchu, aligned with SDG 4 (education) and SDG 9 (innovation). Each host school keeps a teaching kit, and you get the numbers.

Meet future engineers. A talk or demo at your company, with students heading into engineering.

Proof of every benefit. A monthly update, and a photo report within 14 days of each event.

For Hsinchu County American School

Real engineering, start to finish. CAD, CFD in Ansys Fluent and CNC manufacture, run with a real budget, a brand and a deadline.

An international stage. Our students compete against Hong Kong and Macau teams, with a route to the World Finals.

STEM for younger students. The Taster Labs bring the school's STEM Racing Lab to Grade 6–8 students across Hsinchu.

Where your brand appears 品牌曝光

2
race cars
judged and raced in Hong Kong

6
team uniforms
on stage, in the pit and in every photo

2 × 2.5 m
pit display
at Hong Kong Science and Technology Park

2
judged portfolios
with a page on our partners

10 min
presentation
to the judges, covering our partners

Every
post
on Instagram @team.mume and school channels

Sponsorship packages 合作方案

FIRST CLASS **Principal** Seats · 1 place	HONG KONG FINAL NT$115,000	FULL SEASON* NT$380,000	"Team MUME presented by [your company]", the main position on the car, the uniform chest, the pit display header, a talk to your staff and a joint workshop
BUSINESS **Performance** Seats · 2–3 places	HONG KONG FINAL NT$50,000	FULL SEASON* NT$160,000	A position on the side of the car, a pit display panel, two posts and a video of our visit to your company
PREMIUM ECONOMY **Supporter** Seats · 4–6 places	HONG KONG FINAL NT$15,000–20,000	FULL SEASON* NT$50,000–65,000	A small logo on the car or the pit display, a place on the team website and one post
ECONOMY **Friend** Seats · open	HONG KONG FINAL NT$10,000	FULL SEASON* NT$10,000	Your name on the pit wall and the team website

*Full season adds the 2027 World Finals if we qualify. A Hong Kong-final package can be upgraded then.

Additional opportunities

A talk or workshop at Hsinchu County American School, and product integration where the rules allow.

Every package can be tailored to your company.

Conclusion 結語

Your support decides how well we represent Hsinchu and Chinese Taipei in Hong Kong, and whether we reach the World Finals.

Logos for the cars and uniforms are due by 18 November 2026, as a vector file (SVG, AI or PDF). A first meeting takes 20 minutes. Thank you for considering us.

EMAIL
mumeracing@gmail.com

INSTAGRAM
@team.mume

SCHOOL
Hsinchu County American School, Zhubei, Hsinchu County

Amounts are in New Taiwan dollars. Travel, printing and World Finals figures are estimates, and dates follow the organiser's announcements. Team MUME is an independent student team, not affiliated with Formula 1, any Formula 1 team or any airline.