

A young man with short dark hair, wearing a white shirt, maroon tie, and maroon sweater, is focused on working on a car wheel. He is in a workshop or garage setting, with various mechanical parts and tools visible in the background. The image is framed by a dark blue background with a diagonal magenta stripe.

STEM ON TRACK

PROSPECTUS





BUILD

The programme runs in-line with the academic year, with schools receiving their kart kits and tools from early September. Students immediately immerse themselves in their hands-on learning journey, each week constructing the next element of their own karts; cultivating tangible skills in a practical, real-world setting.



Eco-Conscious Kart

- ✔ Second-hand tyres, pre-used and destined for scrap.
- ✔ Carbon Neutral Synthetic Fuel, the ultimate fossil-fuel alternative.
- ✔ Fully dismantle-able system, for year-on-year use.



Learner Focused Design

- ✔ Transparent Hydraulic System, to see it working.
- ✔ Deliberately unfinished engine, to be understood and completed.
- ✔ Fully adjustable pedal system to fit any driver.



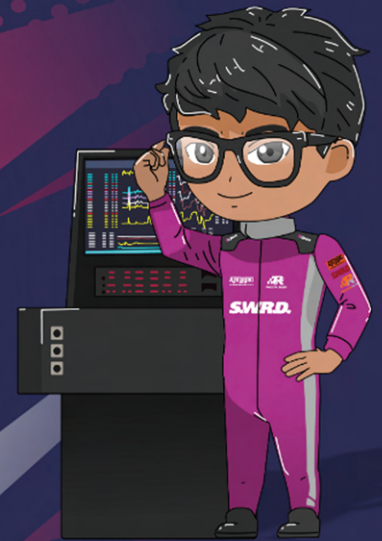
LEARN

The STEM On Track programme includes access to an Online Race Academy. Within the Learning Management system, students create a personal profile, before embarking on a guided, step-by-step journey to build their own racing kart. Interactive 'Build' modules teach the practical assembly, before handing over to the 'Learn' modules. These showcase where the mainstream subjects directly align with the hands-on STEM learning they've just completed.

PLAYER SELECT



START



Adam

The 50+ Race Academy Sprint modules offer an innovative approach to STEM education, with curriculum-aligned microlearning courses designed for schools. These bite-sized, 5-15 minute modules are tailored to focus on various STEM concepts related to Motorsport, providing educators with a flexible and engaging resource to enhance their teaching.





Nikki
LE-GRYS

STEM On Track

Sprint Courses

Leaderboards

Assignments



Nikki LE-GRYS

Student Woodbridge School

Courses Complete: 34/56
Kart Progress: Lvl 10

BADGES



Rank

Class: 15th
School: 1st

STEM ON TRACK

BUILD



Rear Brake: Assembly and Fitting

Science | Bronze | 10mins



Fitting of Steering Wheel

Maths | Gold | 10mins



Centralising the Rear Axle

Maths | Silver | 10mins

ENGINEERING ASSIGNMENTS

ASSIGNMENT TITLE

ASSIGNED

DUE DATE

STEM Sprint: Friction

26/10/23

30/10/23

STEM Sprint: Radius and Circles

26/10/23

30/10/23

KERS Explained

1/11/23

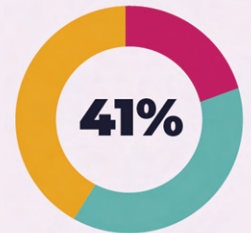
11/11/23

What is DRS?

3/11/23

14/11/23

ASSIGNMENTS COMPLETION



RACE ACADEMY SPRINTS



STEM Sprint: Friction

Science | Bronze | 10mins



STEM Sprint: Radius and Circles

Maths | Gold | 10mins



KERS Explained

Science | Silver | 15mins

Explore the Race Academy, our cutting-edge online Learning Management System. With over 50 dynamic STEM courses, it's a dual-powered platform, serving both educators and learners. Offering intuitive dashboards for real-time progress tracking and gamified leader boards, Race Academy ensures an engaging learning experience, fostering a passion for STEM in an immersive environment.



RACE

The STEM Prix marks the culmination of the project, giving schools a chance to display their achievements. Showing-off their bespoke bodywork designs, engaging with their sponsors and finally racing their creations. This concluding event honors not only the students STEM achievements and kart construction, but perhaps more significantly, personal development.



TIMELINE

Schools will have the opportunity to seek sponsorship before final payment due. Espire will assist via guides in addition to our match making service.

Sponsor Match Making
JAN-JUNE, 2024

The adventure begins in classrooms across the country. Kart kits will be shipped to schools, and students will gain access to our state-of-the-art Online Race Academy.

Race Academy Online
SEP, 2024

The STEM Prix Grand Final event commences. Schools from across the nation will compete for bragging rights, showcasing their karts and racing skills. The event is combined with a STEM educational fair.

STEM Prix Grand Final
JUNE, 2025

TBC
Contract Signed

Contract signed and deposit paid. Schools will receive a STEM On Track Launch Pack including; Media Pack, Sponsorship Guide and Proposal Template.

JULY, 2024
Launch Event

We kick off the STEM On Track journey with a spectacular launch event during the British Grand Prix. STEM Workshops provided by Espire to showcase the content.

MAY, 2025
Kart Test Day

Schools experience the thrill firsthand in May 2025 as teams have the opportunity to put their creations to the test. Students can fine-tune their karts and prepare for the ultimate showdown.



SPONSORS

Our comprehensive support includes a sponsorship guide, proposal template, and exclusive Sponsor Matchmaking service. These resources empower your school to potentially make the programme free, ensuring long-term project sustainability. Sponsors, in return, receive prominent promotion on the Kart, STEM On Track website, and social media platforms. This partnership empowers students to take ownership of the programme and highlights your school's commitment to community development and educational excellence.





Custom Graphics Kit

Enhance your school's visibility and show appreciation to your sponsors using the custom Sticker Kit. The Sticker Kit is a customisable set of decals for the Kart. Allowing schools to prominently display their crests, branding, and sponsors' logos on the Kart's surface. It serves as a visual representation of the school's identity and the support received from sponsors whilst enhancing the overall aesthetics of the Kart.

Schools have the flexibility to design the Sticker Kit using graphic design software like Photoshop or manually by printing the template and working by hand. Schools then collaborate with our graphic design partner, to refine and revise the final version before it is applied to the Kart.

SPONSOR PACKS

Our unique sponsorship approach places students at the forefront. Armed with our Sponsorship Guide and Template, students can approach businesses with confidence. While we offer these predefined packages, we encourage the students to create their own bespoke proposals. This flexibility ensures that the partnership aligns seamlessly with the sponsor's goals and resonates with students, maximising the impact on both parties.



BUILD

A High Speed Kart, Tools to Build it, a Test Day and Bespoke Kart Livery

1st Placed Branding on Kart

Listed Build Sponsor on STEM On Track website with Company Bio

3 Tickets to Grand Final and invite to Test Day

Exclusive access to the pit area during the Grand Final plus Company Branding

Invitation to a Schools Kart construction session.

1st



LEARN

A Full Years STEM Curriculum, and Online Academy for 30 Students

2nd Placed Branding on Kart

Listed Learn Sponsor on STEM On Track website with Company Bio

2 Tickets to Grand Final

Joint Press Release with School

Tagged in School SOT Social Media Posts

2nd



RACE

Team entry to the Grand Final, MSUK racing licenses for 4 students and Rental of Helmets and Race Suits.

3rd Placed Branding on Kart

Listed Race Sponsor on STEM On Track website

1 Ticket to Grand Final

Tagged in School SOT Social Media Posts

Company Logo in Grand Final Promotional Material and Programme

3rd





TECHNICAL
EDUCATION

CLASSROOM
INSPIRATION

Bringing together Science, Technology,
Engineering and Maths in the 'real world'.



 spire